CITY OF EAST MOLINE
Engineering Department

May 24, 2019

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

RE: NPDES Phase II Annual MS4 Report Permit #ILR400389

To Whom It May Concern:

Please find enclosed a completed and signed Annual Facilities Inspection Report for the City of East Moline's NPDES Phase II permit compliance. This document was prepared after careful review of the City's existing stormwater program, discussion with various municipal employees, renewal of our Notice of Intent submitted to the IEPA previously, the IEPA Facility Inspection of 2017 and subsequent Notice letters, and the City's General Permit for Discharges for Small MS4s (NPDES Permit No. ILR 400330).

The City of East Moline adhered to the Best Management Practices (BMPs) outlined in the Notice of Intent as well as additional BMPs implemented since the NOI was approved. Initiation of goals set for the next reporting year have begun. BMPs started and/or completed during this reporting year and the City's overall stormwater program are now in compliance with the requirements of the NPDES permit.

An electronic version of this report, minus supporting documentation, as well as the Annual Facility Inspection Report has been submitted to the e-mail address indicated on the inspection report form on June 1, 2018.

If you have any questions regarding the enclosed Annual Inspection Report, please contact me at (309) 751-2310.

Sincerely,

Erica K Williams

Erica K. Williams
Stormwater Manager

Enclosure

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, 2018 To March, 2019

Permit No. ILR40 0330

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

Name: City of East Moline Mailing Address 1: 1200 13th Avenue

Mailing Address 2: 1200 13th Avenue County: Rock Island

City: East Moline State: IL Zip: 61244 Telephone: 309/751-2310

Contact Person: Erica Williams Email Address: ewilliams@eastmoline.com
(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 East Moline

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 ☐
2. Public Participation/Involvement ☐
3. Illicit Discharge Detection & Elimination ☐
4. Construction Site Runoff Control ☐
5. Post-Construction Runoff Control ☐
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))

Erica Williams for TK — Owner Signature: — 5/24/19 — Date:

Tim Kammler — Printed Name: — City 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

CITY OF EAST MOLINE

NPDES PERMIT NO. ILR400330
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

ANNUAL FACILITY INSPECTION REPORT
Reporting Year April 1, 2018 to March 31, 2019

Submitted to:
Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
Springfield, Illinois

City of East Moline
Phase II Annual Report
Permit No. ILR400330

TABLE OF CONTENTS

Appendices

Appendix A
Website Materials
Utility Brochure
Speaking Engagement Materials
Kid's stormwater webpage
Stormwater Council Meeting Minutes
Environmental Justice Report

Appendix B
Clean up Group Materials
Neighborhood Cleanup Materials

A. Changes to Best Management Practices

The new MS4 permit issued in 2016 added language that included creating an inspection plan, in-house and contractor training, website additions, a public meeting, considerations for climate change, and environmental justice areas. The City of East Moline accommodated or is in the process of complying with the additional requirements with details subsequently explained under the appropriate control measure section in Section B of this report. Due to previous IEPA inspection findings and personnel turnover, the City of East Moline did not delete or eliminate any BMPs during the 2018-2019 reporting year, but additions and/or deviations were found or undertaken to achieve the BMPs outlined in the NOI. Explanations can be found within.

on many websites, social media, and the local papers. The agenda can be found in Appendix A.

A.3 Public Service Announcement

The City of East Moline posts many public service messages and information pages on its website. Examples can be found in Appendix A.

A.4 Community Event

The City of East Moline participates annually in several community clean up events including neighborhood cleanups and routine littler cleanups. The City actively participates by educating participants and at the neighborhood cleanups, paper materials are available for participants to pick up if they desire. Section B of this report goes into greater detail regarding individual cleanup groups with materials attached in Appendix B.

A.5 Class Educational Material

Educational material as well as fun games are passed out to students K-6. The City also has a children's page on its website. The stormwater website's kid's page and a few samples of activities from that page can be found in Appendix A.

A.6 Other Public Education

The City's stormwater utility, program, and conference was discussed at a City Council Meeting on February 19, 2019. Citizens had the opportunity to ask questions and comment at that time. The minutes can be found in Appendix A.

As part of the new MS4 permit, environmental justice areas were researched using the EPA website provided in the permit. It The report is attached in Appendix A. A link to the EPA's environmental justice website will be placed on the City of East Moline's stormwater webpage for resident reference.

subsequently educated on stormwater issues. Brochures are distributed as necessary and further questions are encouraged. The brochure can be found in Appendix A.

A visual inspection of uncovered storm sewer outfalls is conducted during dry weather. Priority areas have been established and are checked first. A sample copy of a map and photo sheet is included in Appendix C. Screeners also check for the presence of illegal dumping sites. Locations containing dumped lawn clippings and debris were discovered, but none were a detriment to the waterways. Cease and Desist letters are sent to area residents explaining the dangers and hazards of depositing such materials near drainage ways on an as needed basis.

C.9 Public Notification

The City of East Moline educates members of the residential, commercial, and industrial sectors on the dangers of illicit discharges and the release of non-stormwater discharge into the system. The stormwater website has information regarding the dangers of illegal dumping and illicit discharges. Letters and brochures are sent on an as needed basis to residential and non-residential property owners. Examples of the aforementioned items can be found throughout Appendix A.

C.10 Other Illicit Discharge Controls

The City of East Moline has begun to train appropriate employees in detecting and handling illicit or suspected illicit discharges. The City also stays in communication with the Rock Island County Health Department and neighboring communities for properties outside City jurisdiction that may have an illicit or suspected illicit discharge that may negatively impact City of East Moline drainage systems. Additionally, the City of East Moline residents can take their household hazardous waste to the Waste Commission of Scott County for proper disposal. Records are kept by the commission regarding the number of East Moline residents, and information for citizens is posted on the city's website.

D.4 Site Plan Review Procedures

The City of East Moline currently has procedures for construction site plan review. The site plan reviewer has a checklist that lists requirements for plan submittals. The checklists were updated to ensure all required ordinance items are included on a drawing, on the checklist, or in a report, including but not limited to, erosion and sediment control, drainage patterns, easements, stormwater controls, etc. Checklists are updated as necessary. The review checklist is included in Appendix D.

D.5 Public Information Handling Procedures

The City of East Moline has a designated phone number that is advertised for the public to utilize with any concerns regarding construction site erosion and sediment control or tracking. Concerns are documented and investigated immediately. Appropriate actions are taken after each investigation. In addition, all NPDES permitted sites within East Moline can be found using a link on the city's website. Website information, helpful links, and complaint website can be found in Appendix A.

D.6 Site Inspection/Enforcement Procedures

The City of East Moline performs construction site inspection for both private and public projects. Construction inspectors for City projects have been educated on the importance of erosion and sediment control, and inspection and maintenance issues. Construction site inspections are documented, and photographs are taken when possible or needed. Issues of non-compliance are addressed immediately with the permit holder in the form of personal contact and a courtesy letter. Follow up visits are performed and, if necessary, court appearances and fines are utilized to ensure compliance with the Stormwater Ordinance. If inspections reveal situations of imminent threat or danger, necessary steps are put in place immediately and enforcement action is taken as appropriate. Inspections and enforcement procedures are updated and modified as needed. An example of a logged site inspection and follow up is included in Appendix D.

Using the EPA website referenced in the MS4 permit, the Mississippi River and Rock River adjacent to the City of East Moline do not appear to have TMDL's or other water quality plans. Therefore, specific sampling of discharges has not yet been required by the City of East Moline. The TMDL mapping report has been included in Appendix D.

E.4 Pre-Construction Review of BMP Designs

The City holds a pre-construction meeting for all City projects to discuss BMP implementation, schedules, installation, maintenance, and inspection. On all private projects, the plan reviewer discusses BMPs with the potential permittee prior to permit approval. Inspections are performed on all City projects and permitted projects. Pre-construction meetings and review processes will be modified appropriately to address the review of BMP designs. An example of a pre-construction form used to address erosion and sediment control measures is included in Appendix E.

E.5 Site Inspections During Construction

The City of East Moline conducts construction site inspections on permitted and City projects. Inspections are documented and any issues on non-compliance are noted and addressed appropriately and immediately. An example of a logged site inspection can be found in Appendix D.

E.6 Post-Construction Inspection

The City of East Moline continues the inspection process until proper ground stabilization is achieved. For City projects and permitted projects over 1 acre, an Erosion Control Performance Bond is required. Bonds are not released until proper ground stabilization is achieved. Projects are not officially "closed out" until all disturbed areas are permanently stabilized. Where appropriate, a temporary Certificate of Occupancy (CO) is only issued if the site is at least seeded and protected. A permanent CO is not issued until full stabilization is achieved and erosion control measures can be removed.

E.7 Other Post-Construction Runoff Controls

During the end of this reporting year, and at the guidance of the new MS4, the City of East Moline has come up with a visual inspection plan. Based on population, the City must visually inspect the outfalls along the Mississippi River. There are 12 gatewells that lead to outfalls on the Mississippi. A USACE certified levee separates the City of East Moline storm sewer system and the Mississippi River, therefore gatewells and pumps are utilized to relieve runoff. A visual inspection was performed at each gatewell and is included in Appendix G.

The City of Moline currently has a street sweeping program in place for regular sweeping when weather permits. Streets are done routinely or on an as needed basis depending on the area.

The Public Works webpage can be found in Appendix F. Examples of all other referenced programs can be found in Appendix A-E.

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

The City will continue with all measures set forth in the NOI, included in this report, as well as the new requirements under the most recently issued MS4 permit and Notice letters. This report except where changes, alterations, deletions, or additions are required to achieve the intent of the submitted NOI or the stormwater program, notices of potential violations, extensions for notices received, and overall compliance of the City of East Moline MS4 program and permit. In order to better achieve and maintain compliance, the program, procedures, and report will likely change over the next reporting periods and until the new NOI is required. This will help achieve better compliance and includes, more and citywide training, more frequent and comprehensive inspections of city facilities, stabilizing all city owned properties that have been used as fill sites, and the ongoing compilation of repairs to ravine systems and other sediment producing erosion projects.

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

City of East Moline projects for which a NPDES permit was obtained during the reporting year include:

ILR10AV60 – Railroad Alley Watermain Replacement

▼ Stormwater

- Stormwater Control Ordinance
- Stormwater Control Ordinance Summary
- Stormwater Utility Tri-Fold Brochure (PDF)
- Common Stormwater Pollutants & Their Sources
- Environmental Protection Agency Stormwater Program
- Scott County Hazardous Waste
- Illinois Association for Floodplain & Stormwater Management
- American Water Resources Association
- National Stormwater Best Management Practices Database
- U.S. Geological Survey Water Science School
- Clear Water Campaign
- Local Government Environmental Assistance Network

Categories

- All Categories
- Engineering
- Finance
- Fire Department
- Fire Department Training Partners
- Food Safety
- Inspections Department
- Investigation Division
- Local Area Links
- Maintenance Services
- Morton Memorial
- Police Department
- Safety Seminars
- Stormwater
- Using This Site
- Water Filtration

Stormwater

What is stormwater?

Stormwater is the runoff that results from precipitation. As this water flows over construction sites, farm fields, lawns, driveways, parking lots, and streets, it picks up sediment, nutrients, bacteria, metals, pesticides, and other pollutants. Unlike sanitary sewers that go to a treatment plant, most stormwater discharges directly to local water bodies. Increasing amounts of impervious surfaces in the City, such as roof tops, driveways, parking lots, and streets, decrease the ability of the water to soak into the ground, thus increasing the potential for flooding from greater volumes of runoff entering the city's storm sewer and drainage system at a faster rate.

Why does stormwater have to be managed?

Stormwater is managed to protect homes, property, the environment, streams, and rivers from damage due to flooding, pooling, erosion and harmful pollutants. Stormwater runoff must be channeled through a system of pipes, culverts, ditches, swales, catch basins, and storm drains before it can be safely discharged into local streams and rivers. Even if a property has never flooded, the stormwater that flows off that property must be managed so that it doesn't contribute to flooding in other areas.

Need

The Clean Water Act (CWA) was enacted by Congress and signed by the President to establish environmental programs, including the NPDES program, to protect the Nation's waters and direct EPA to issue rules on to how implement this law. Many municipalities across the nation are now required to obtain a NPDES Permit and abide by rules, regulations, and standards to monitor runoff that enters the Storm Sewers. As part of the NPDES permit, programs must be established for public education and outreach, public involvement and participation, public education and outreach, illicit discharge detection elimination, construction site runoff control, post-construction runoff control, and pollution prevention and good housekeeping. The programs listed above are federally mandated, however, federal funding is not available for their implementation. It is up to each individual municipality to secure funding.

Best Management Practices

Plan

Stormwater Management Plan

Kids

K-3 Activity book

Reports

Notice of Intent

- Code violations

◦ Animal control	309-797-0402	Email
◦ Unlawful dumping		
◦ Illegal burning		
◦ Abandoned vehicles, expired or untagged vehicles		
◦ Snow on sidewalks		
◦ **All other issues**	309-752-1599	Email

- Stormwater Control Ordinance
- Stormwater Control Ordinance Summary
- Stormwater Utility Tri-Fold Brochure (PDF)

View All

FAQS

- What is stormwater?
- Where does the stormwater go?
- What is stormwater pollution?

View All

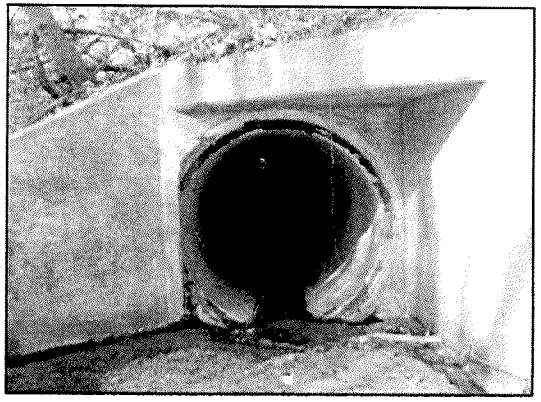
East Moline Stormwater Utility

Stormwater Utility improvements are required for many reasons, including:

- ✓ Repairs to the City's deteriorated levee system so that the levees may be acceptably certified to FEMA and maintain their 100-year flood protection rating.
- ✓ Improvements to deteriorated ravine drainage structures caused by erosion.
- ✓ Repair or replace collapsing and/or aging culverts, storm sewers, inlets, detention facilities, check dams, control structures, and other drainage infrastructure.
- ✓ The City must comply with newly mandated and unfunded Federal and State regulations regarding the amount and quality of stormwater that can be discharged into rivers and streams. This program's intent is to reduce discharge of pollutants from the storm sewer system, protect all tributaries, and improve water quality.
- ✓ The projected cost of repairs and improvements will be millions of dollars.

Why is the Stormwater utility fee needed?

In order to meet new, federally-mandated regulations for discharging stormwater and pay for the associated stormwater infrastructure costs, the City of East Moline has implemented a stormwater fee rather than raise property taxes or cut services. A survey of East Moline's existing stormwater infrastructure found them in disrepair and in need of significant repairs.



City of East Moline, IL

If you have any questions about the City's Stormwater utility, contact:

City of East Moline
Engineering Department
1200 13th Avenue
East Moline, Illinois 61244
Phone: 309.752.1595
Fax: 309.752.0634
http://www.eastmoline.com

City of East Moline

Stormwater Utility

December 2011

CITY OF EAST MOLINE

6th ANNUAL

QUAD CITIES STORMWATER CONFERENCE

QCSC

Register Online: https://6thannualqcstormwaterconf.eventbrite.com

BROUGHT TO YOU BY:

Rock Island County Soil and Water Conservation District

Rock Island County

Rock Island Illinois

Christopher B. Burke Engineering, LLC

Tuesday, February 12th, 2019
Jumer's Casino & Hotel 777 Jumer Drive Rock Island, IL
COST $25 per person

"Bridging the Gap between Illinois & Iowa Stormwater Management"
This conference will highlight stormwater management techniques and permit requirements for both Iowa and Illinois.
Stay for the social and taste local brews from 3:30 to 5 pm.

SCHEDULE	5 PDU'S/CEU'S EARNED!
8:00 to 8:45 am	REGISTRATION
9 to 9:15 am	Welcome from Coal Valley Mayor Mike Bartels
9:15 to 10:15 am	Dewatering & Flocculants
10:30 to 11 am	IA vs. IL Manuals & Permits
11 to 11:30 am	IA DNR & IL EPA MS4 Audits
11:30 to 12:45 pm	LUNCH
12:45 to 1:15 pm	WOTUS Status with USACE
1:15 to 2 pm	Building a Flood Resilient Iowa
2 to 2:30 pm	Bettendorf Basin Study
2:30 to 3:30 pm	Building a Bridge for the Future: I-74 Bridge Project
3:30 to 5 pm	SOCIAL HOUR - Door Prizes, Beer Tasting, Evals

DOOR PRIZES!

- Yeti Cooler
- Chicago Bulls Tickets
- Jumer's Hotel Stay
- TaxSlayer Suite for Storm Game
- Grinder
- Golf Rounds
- Gift Cards & More!

QUESTIONS?

Call Dawn or Rich @ (309) 764-1486 X 3

SPONSORED BY:

Hanes Companies, A Leggett & Platt Company

Iowa Stormwater Education Partnership

Storm Water Supply LLC

QC Silt Fence, Inc. Erosion Control & Seeding

UECO Utility Equipment Company

Langman Construction, Inc.

Stetson Building Products, LLC

ADS www.ads-pipe.com

Roof Top Sedums

Valley Construction Quality Since 1925

Terracon

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Hare Brewing

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S.A.M.S. Stormwater and Management Services

Ford & Sons

BROUGHT TO YOU BY:

6th ANNUAL QUAD CITIES STORMWATER CONFERENCE

QCSC

February 12, 2019

Agenda

8:00 - 8:45: **Registration**
Please have your ID available at check-in in order to enter the casino for lunch*

9:00 - 9:15: **Welcome Remarks** - Mayor Mike Bartels, Village of Coal Valley & QCSC Committee

9:15 - 10:15: **Dewatering & Flocculants** - Dan Salsinger, Hanes Geo

10:15 - 10:30: **Break To Visit Exhibitors**
- *Don't forget to fill out the blackout bingo card in your blue folder! Have all exhibitors mark off that you've visited their booths and be entered to win great door prizes!*

10:30 - 11:00: **IA vs. IL Manuals & Permits** - Amy Kay, City of Davenport & Casey Perry, Christopher B. Burke Engineering

11:00 - 11:30: **IA DNR & IL EPA MS4 Audits** - Brian Lee, IA DNR & Todd Bennett, IL EPA

11:30 - 12:45: **LUNCH (Need ID or stamp to enter) / Visit Exhibitors**

12:45 - 1:15: **WOTUS Status with USACE**- Al Frohlich, Army Corps of Engineers

1:15 - 2:00: **Building a Flood Resilient Iowa** - Breanna Shea, IA Flood Center

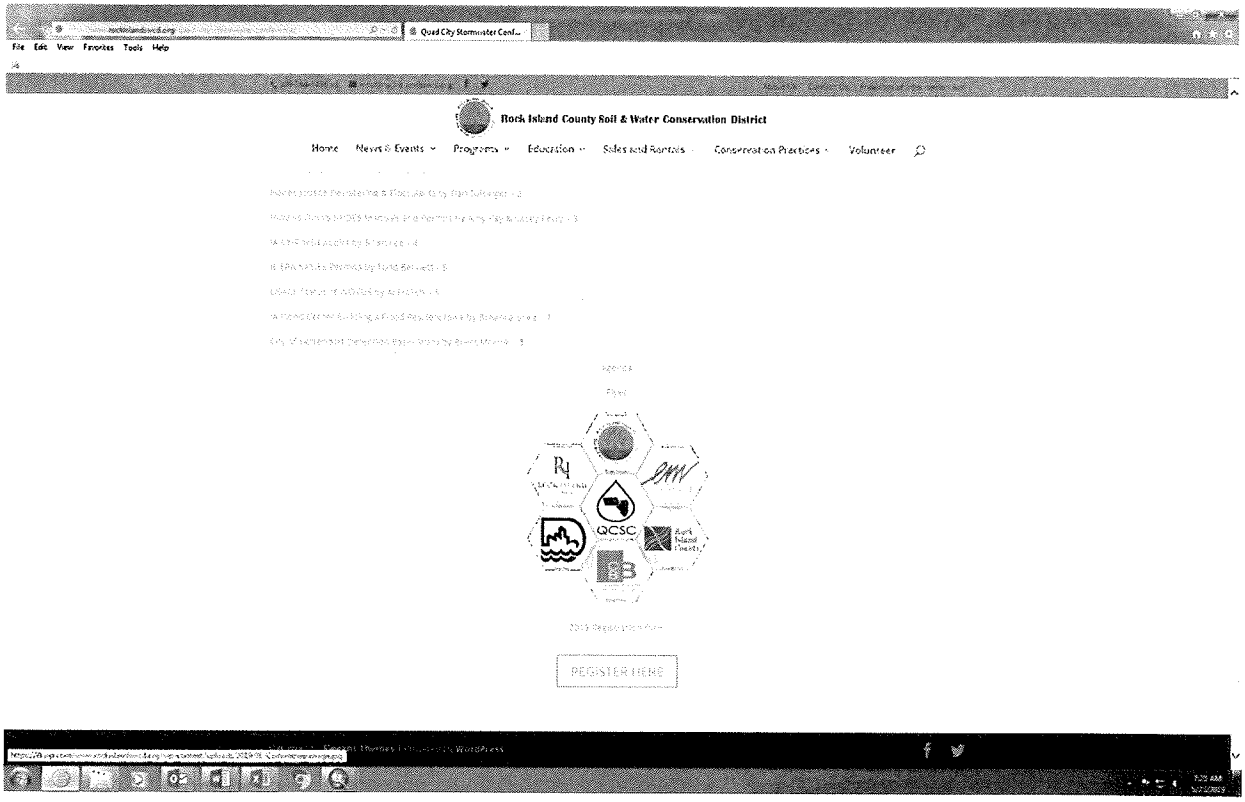
2:00 - 2:30: **Bettendorf Basin Study** - Brent Morlok, City of Bettendorf

2:30 - 3:30: **Building a Bridge for the Future: I-74 Mississippi River Bridge Project** - Presented by George Ryan, I-74 Corridor Manager - Wood Environment & Infrastructure Solutions

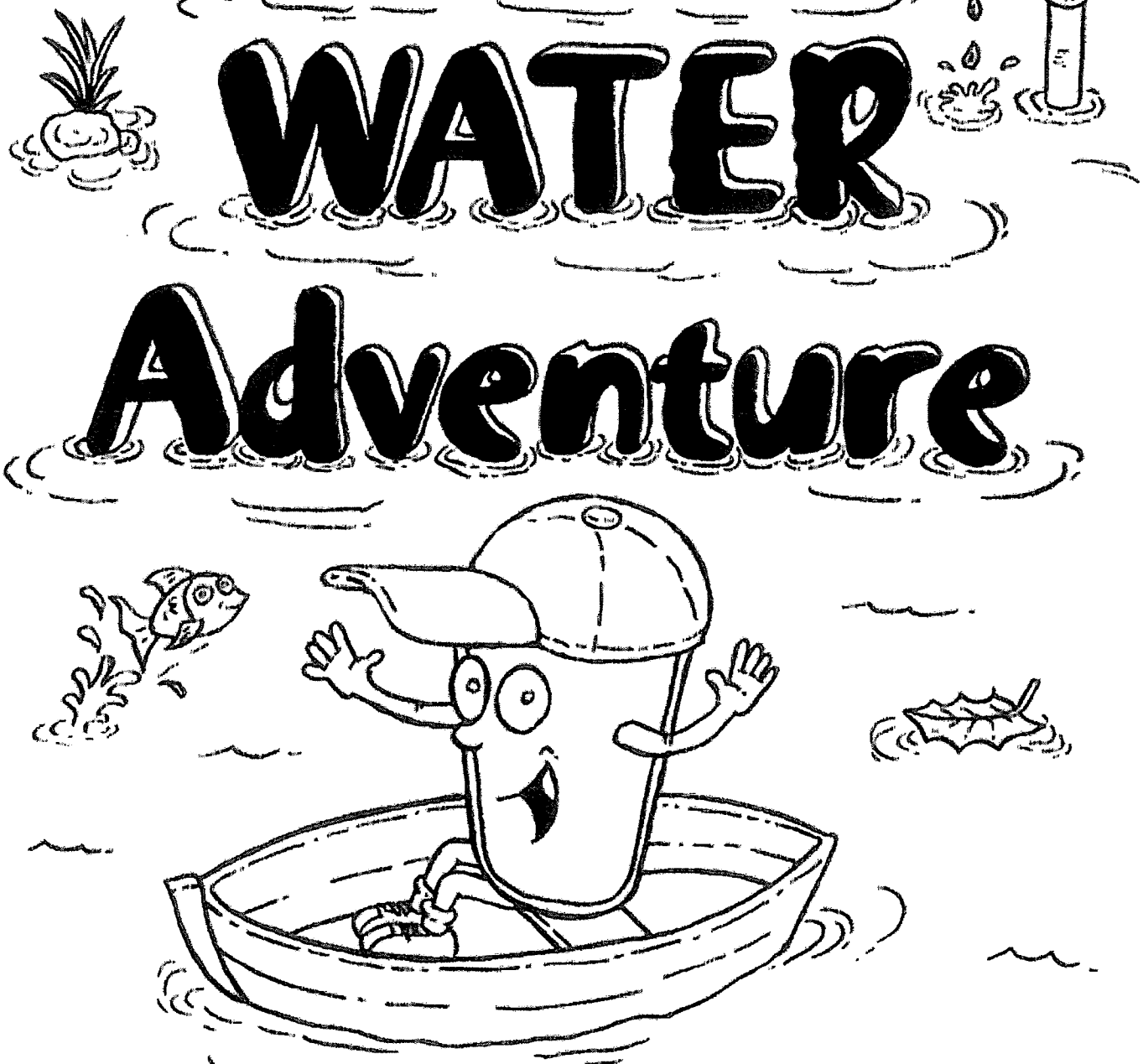
3:30 - 5:00 : **Social Hour**

- Beer Tasting brought to you by WAKE Brewing!
- Door Prize Drawings!
- Evaluations - Complete for a FREE tasting glass!
- PDU Certificates - Earn 5 PDU's/CEU's for coming!
- Visit Exhibitors - Hanes Geo, ISWEP, Stetsons, Storm Water Supply, Christopher B. Burke Engineering, ADS Pipe, Ford & Sons, QC Siltfence, Bush Turf, Roof Top Sedums, S.A.M.S., Langman Construction, Terracon & Silt Saver

Special note: If you are under 21, please email dtemple@rockislandswcd.org to make arrangements for lunch as no one under the age of 21 may enter the casino.


Quad City Stormwater Conf...
File Edit View Favorites Tools Help
Rock Island County Soil & Water Conservation District
Home
News & Events
Programs
Education
Sales and Rentals
Conservation Practices
Volunteer
QCSC
REGISTER HERE

Thirstin's Wacky WATER Adventure



MINUTES OF THE MEETING OF THE MAYOR AND CITY COUNCIL OF THE CITY OF EAST MOLINE, COUNTY OF ROCK ISLAND, STATE OF ILLINOIS

TUESDAY, FEBRUARY 19, 2019 6:30 P.M.

PLEDGE:
Mayor Freeman led the City Council and all those present in the Pledge of Allegiance to the Flag and asked that there be a moment of silence for Alderman Ed DeJaynes, who is in the hospital.

ROLL CALL
Mayor Freeman called the meeting to order and directed City Clerk Arletta D. Holmes, to call the roll. The following Aldermen were present: Gary Almblade, Frederic Kotoku, Maria Tapia, Jose Rico, and Mayor Freeman. **Absent:** Alissa Sallows, Nancy Mulcahey and Ed DeJaynes.

PUBLIC COMMENT:
None

CITY CLERK'S REPORT
City Clerk Holmes passed.

ADDITIONS/CORRECTIONS TO AGENDA:
None

CONSENT AGENDA:
City Clerk Arletta Holmes read the Consent Agenda that included the following:

a. Approval of Salaries for February 2, 2019, in the amount of $443,319.38.
b. Approval of a Special Payroll for February 15, 2019 in the amount of $20,057.60.
c. Approval of Bills in the amount of $277,851.78.

A motion was made by Alderman Almblade, seconded by Alderman Tapia, to approve the Consent Agenda as presented. Upon roll call the following voted in favor: Almblade, Frederic, Tapia, and Rico, Motion carried.

REPORT BY MAYOR
Mayor Freeman had no items for discussion.

CITY ATTORNEY LINCOLN SCOTT PRESENTED THE FOLLOWING ORDINANCES AND RESOLUTIONS:

ORDINANCE 19-03: AN ORDINANCE OF THE CITY OF EAST MOLINE AMENDING TITLE 2 "BOARDS AND COMMISSIONS", CHAPTER 19 "ECONOMIC DEVELOPMENT", SECTIONS 2-19-1 THROUGH 2-19-9 OF THE CITY CODE OF THE CITY OF EAST MOLINE, ROCK ISLAND COUNTY, ILLINOIS.

A motion was made by Alderman Almblade, seconded by Alderman Tapia, to waive the reading of **Ordinance 19-03**. Upon roll call the following voted in favor: Almblade, Frederic, Tapia and Rico. Motion carried.

RESOLUTION 19-10: A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF EAST MOLINE, ILLINOIS, APPROVING THE REDEVELOPMENT AGREEMENT BETWEEN THE CITY OF EAST MOLINE AND CTL PROPERTY MANANGEMENT, LLC. **Item pulled no action taken.**

RESOLUTION 19-11: A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF EAST MOLINE, ILLINOIS, APPROVING THE CONSULTING CONTRACT WITH IMEG FOR EASEMENT ACQUISITION SERVICES.

A motion was made by Alderman Almblade, seconded by Alderman Rico to approve **Resolution 19-11.** Upon roll call the following voted in favor: Almblade, Frederic, Tapia and Rico. Motion carried.

RESOLUTION 19-12: A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF EAST MOLINE, ILLINOIS, APPROVING THE CONSULTING CONTRACT WITH SHIVE-HATTERY FOR THE 10TH AVENUE & 29TH AVENUE UTILITY REPLACEMENT.

A motion was made by Alderman Almblade, seconded by Alderman Tapia to approve **Resolution 19-12.** Upon roll call the following voted in favor: Almblade, Frederic, Tapia and Rico. Motion carried.

RESOLUTION 19-13: A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF EAST MOLINE, ILLINOIS, APPROVING THE 2019 AERIAL PHOTOGRAPHY FROM SURDEX.

A motion was made by Alderman Almblade, seconded by Alderman Tapia to approve **Resolution 19-13.** Upon roll call the following voted in favor: Almblade, Frederic, Tapia and Rico. Motion carried.

COMMITTEE-OF-THE-WHOLE (Alderman Almblade)
Alderman Almblade had no items for discussion. All items have been covered under the Consent Agenda, Resolution, or Ordinance.

CITY STAFF COMMUNICATION:

Each City Staff member present was given the opportunity to inform the City Council and those present of events in their departments:

Chief Reynolds, EMPD –

- Chief Reynolds reported to the City Council that the 3-day concert event that was held at the Rust Belt was very nice. There was an average of approximately 500 to 700 people nightly at this 3-day event. Chief Reynolds said the Rust Belt will be a great addition to the City.
- The next scheduled event is on April 6, 2019, there is a Grammy Award winning singer coming, and they are expecting approximately 4,000 people. The Hotel is fully booked for this event.
- EMPD will be having training all week at the East Moline School District Building #37.

Alderman Almblade asked do you anticipate overtime for the Concerts? Chief Reynolds stated, "That as part of the agreement with the Rust Belt they will reimburse the City for the overtime."

Mr. Kammler informed City Council that the Rust Belt has submitted their plan with enough parking. Just have not finished the work yet.

Mr. Kammler, Director of Engineering – Mr. Kammler updated the City Council on the various activities going on in the City.

Find out more about what our regional offices are doing for environmental justice in your community!

Region 1 (CT, MA, ME, NH, RI, VT)
5 Post Office Square - Suite 100
Boston, MA 02109
Phone: 617-918-1111

Region 2 (NY, NJ, PR, VI)
290 Broadway, 26th Floor
New York, NY 10007
Phone: 212-637-3000

Region 3
(MD, DE, DC, PA, VA, WV)
1650 Arch Street
Philadelphia, PA 19103
Phone: 215-814-5000

Region 4
(AL, FL, GA, KY, MS, NC, SC, TN)
61 Forsyth Street, SW
Atlanta, GA 30303
Phone: 404-562-9900

Region 5 (IL, IN, MI, MN, OH, WI)
77 West Jackson Blvd. (MC T-17J)
Chicago, IL 60604-3507
Phone: 312-353-2000

Region 6 (AR, LA, NM, OK, TX)
1445 Ross Ave, Suite 1200
Dallas, TX 75202-2733
Phone: 214-665-2200

Region 7 (IA, KS, MO, NE)
11201 Renner Blvd.
Kansas City, KS 66219
Phone: 913-551-7003

Region 8 (CO, MT, ND, SD, UT, WY)
1595 Wynkoop Street
Denver, CO 80202-1129
Phone: 303-312-6312

Region 9
(CA, AZ, HI, NV, Pacific Islands)
75 Hawthorne Street
San Francisco, CA 94105
Phone: 415-947-8000

Region 10 (AK, ID, OR, WA)
1200 Sixth Ave (RMD-122)
Seattle, WA 98101
Phone: 206-553-1200

Tools and Products for Environmental Justice Action

OEJ programs have established the following tools and resources to facilitate and support the incorporation of environmental justice considerations into agency actions. These cross-cutting efforts aim to create consistency and clarity around how EPA identifies and addresses environmental justice concerns.

EJSCREEN

To better meet the Agency's responsibilities related to the protection of public health and the environment, EPA has developed an environmental justice mapping and screening tool. EJSCREEN provides users with a nationally consistent dataset and approach for combining environmental and demographic indicators. EPA made this tool publicly available online to be more transparent about how we consider environmental justice in our work, assist our stakeholders in making informed decisions, and create a common starting point for dialogue with partners and the public. It can be found at: https://www.epa.gov/ejscreen.

Policy

EPA released two documents related to the consideration of environmental justice during rulemaking processes. The first of these, Guidance on Considering Environmental Justice During the Development of an Action, fosters an understanding and ensures consistency by EPA staff as they consider environmental justice during rulemaking actions. The second document, Technical Guidance for Assessing Environmental Justice in Regulatory Analysis, provides the technical underpinnings to fully consider environmental justice during rulemakings. Both documents can be found on https://www.epa.gov/environmentaljustice.

Training and Workshops

OEJ provides training and coordinates workshops for internal and external stakeholders on a broad range of issues relating to environmental justice and equitable development. OEJ ensures that Agency staff are trained on the most current data and resources available for the successful integration of environmental justice principles in their work. OEJ continually engages the public and other governmental partners to enhance the tools, methods, and practices for full integration and consideration of environmental justice concerns.

Science

Science plays an important role in providing a strong basis for action to protect the health and environment of populations that may be especially vulnerable to environmental hazards. EPA's new technical guidance for assessing environmental justice in regulatory actions was developed with participation from the public. OEJ is working with the Office of Research and Development to implement a new Environmental Justice Research Roadmap, which integrates environmental justice-related research across six National Research Programs. To read about these scientific developments, visit: https://www.epa.gov/environmentaljustice/ej-2020-resources#documents

Environmental Justice Legal Tools

The Legal Tools Development document, developed by EPA's Office of General Counsel, provides an overview of several discretionary legal authorities that EPA may consider using to more fully ensure that its programs, policies, and activities fully protect human health and the environment in minority and low-income communities. Some of the tools identified are already in use today; others have not yet been applied in an environmental justice setting. EJ Legal Tools is not a document prescribing when and how the Agency should undertake specific actions.

EPA

Pub Number
Date

For More Information

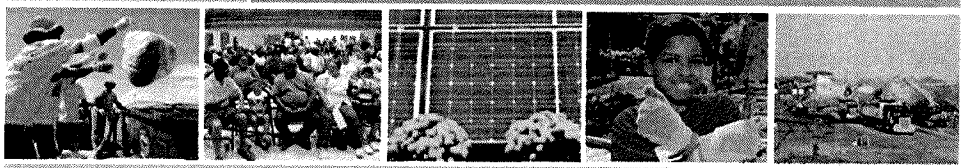
To find out more about the Office of Environmental Justice, please call 202-564-2515, or visit: www.epa.gov/environmentaljustice

Call the EJ Hotline for a direct way to provide feedback and ask questions related to environmental justice. Call the Hotline at 1-800-962-6215 or email ejhotline@epa.gov.

EPA

www.epa.gov/environmentaljustice

Office of Environmental Justice in Action

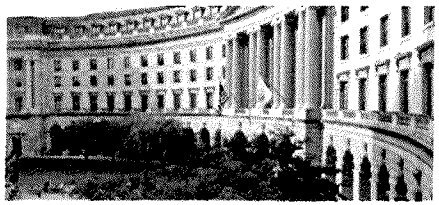


About the Office of Environmental Justice

For over 25 years, OEJ has worked to address the disproportionately adverse human health and environmental impacts in overburdened communities by integrating environmental justice considerations throughout the Agency.

Created in 1992, the Office of Environmental Justice (OEJ) coordinates Agency efforts to address the needs of vulnerable populations by decreasing environmental burdens, increasing environmental benefits, and working collaboratively to build healthy, sustainable communities. OEJ provides financial and technical assistance to communities working constructively and collaboratively to address environmental justice issues. The Office also works with local, state, and federal governments; tribal governments; community organizations; business and industry; and academia, to establish partnerships seeking to achieve protection from environmental and health hazards for all people regardless of race, color, national origin, or income.

To accomplish this mission, OEJ has created the following programs, policies, and activities to assist communities in building their capacity; to better engage federal agencies to help them understand environmental justice issues; to incorporate the voices of communities into agency decisions; and to provide tools and resources for promoting the principles of environmental justice.



Strategic Opportunities for Advancing Environmental Justice

An integral part of the Agency's mission is to focus our attention on the environmental and public health challenges that face our nation's minority, low-income, tribal, and indigenous populations. Our approach is both collaborative and strategic – working with partners to create holistic solutions that make a difference in communities through better policies, tools, and application of resources. These approaches have been captured through successive EJ strategic plans for the Agency.

The first of these plans largely focused on the creation of better tools, policies, and guidance to fill important gaps. Currently we are focused on three main strategic areas.

- We strive to strengthen and expand our governmental partnerships, particularly focused on the proactive efforts of state, tribal, and local governments to advance environmental justice.
- We are also focused on the implementation and use of the tools and guidance created previously in a way that is measurable and significant.
- We endeavor to demonstrate measurable progress on significant issues, including reducing disparities in childhood blood lead levels and working to ensure that all people served by small community and tribal water systems have drinking water that meets applicable health-based standards.

Did You Know?

November 2, 2017 marks the 25th anniversary of the creation of the EPA's Office of Environmental Justice.

EJSCREEN Report (Version 2018)

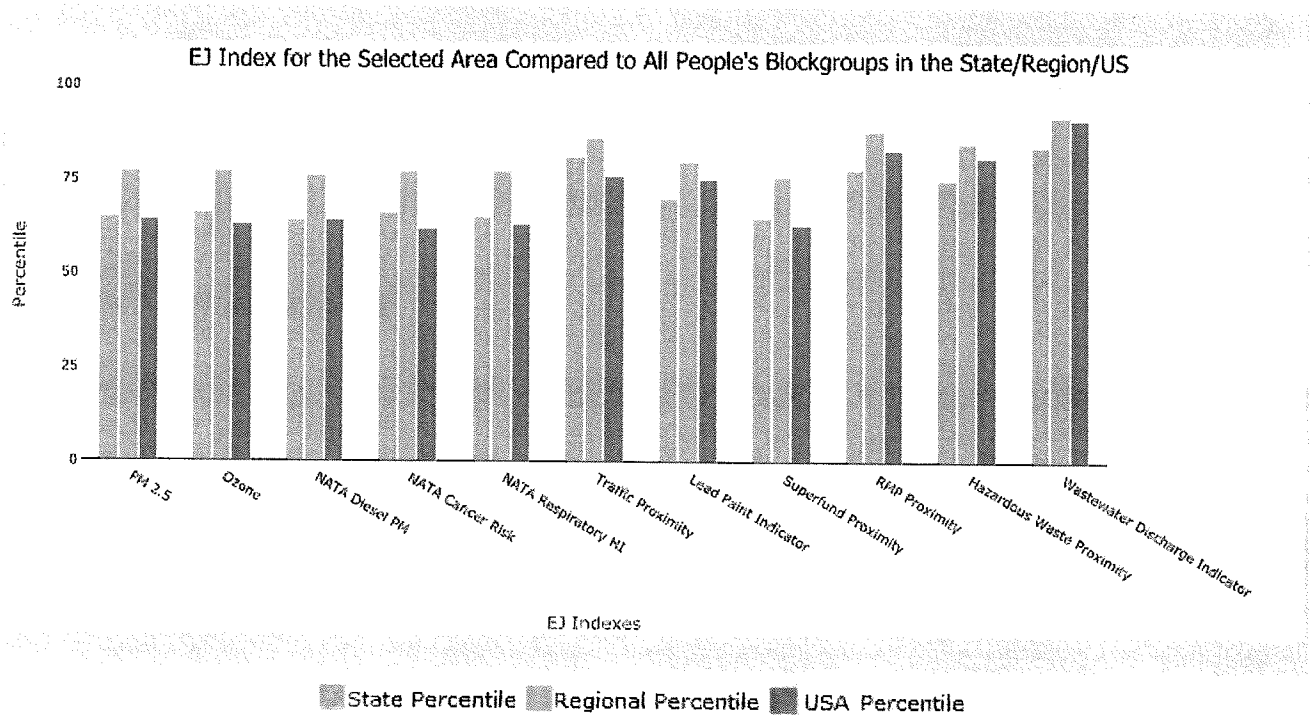
1 mile Ring Centered at 41.515260,-90.439870, ILLINOIS, EPA Region 5

Approximate Population: 7,916

Input Area (sq. miles): 3.14

east moline

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	65	77	64
EJ Index for Ozone	66	77	63
EJ Index for NATA* Diesel PM	64	76	64
EJ Index for NATA* Air Toxics Cancer Risk	66	77	62
EJ Index for NATA* Respiratory Hazard Index	65	77	63
EJ Index for Traffic Proximity and Volume	81	86	76
EJ Index for Lead Paint Indicator	70	80	75
EJ Index for Superfund Proximity	65	76	63
EJ Index for RMP Proximity	78	88	83
EJ Index for Hazardous Waste Proximity	75	85	81
EJ Index for Wastewater Discharge Indicator	84	92	91



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

EJSCREEN Report (Version 2018)

1 mile Ring Centered at 41.515260,-90.439870, ILLINOIS, EPA Region 5

Approximate Population: 7,916

Input Area (sq. miles): 3.14

east moline

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in µg/m³)	10.7	12.1	4	10.8	30	9.53	72
Ozone (ppb)	42.3	43.3	17	42.6	34	42.5	47
NATA* Diesel PM (µg/m³)	0.732	1.28	25	0.932	<50th	0.938	<50th
NATA* Cancer Risk (lifetime risk per million)	34	36	45	34	50-60th	40	<50th
NATA* Respiratory Hazard Index	1.4	1.9	35	1.7	<50th	1.8	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	300	510	68	370	73	600	69
Lead Paint Indicator (% Pre-1960 Housing)	0.57	0.41	64	0.38	72	0.29	80
Superfund Proximity (site count/km distance)	0.029	0.091	21	0.12	28	0.12	33
RMP Proximity (facility count/km distance)	2	1.1	83	0.81	89	0.72	90
Hazardous Waste Proximity (facility count/km distance)	4	2.1	84	1.5	90	4.3	87
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0.0097	0.44	57	4.2	73	30	80
Demographic Indicators							
Demographic Index	37%	34%	63	28%	74	36%	60
Minority Population	37%	38%	58	25%	76	38%	57
Low Income Population	38%	31%	66	32%	66	34%	61
Linguistically Isolated Population	4%	5%	65	2%	81	4%	68
Population With Less Than High School Education	17%	12%	76	10%	81	13%	71
Population Under 5 years of age	7%	6%	61	6%	63	6%	60
Population over 64 years of age	16%	14%	66	15%	61	14%	64

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

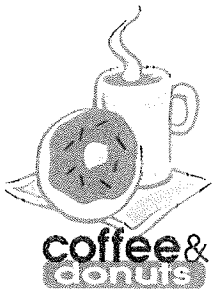
For additional information, see: www.epa.gov/environmentaljustice

2018

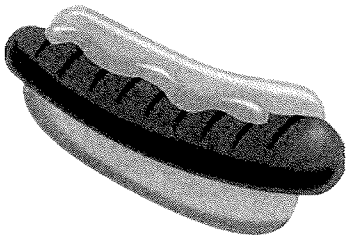
WATERTOWN ANNUAL SPRING CLEAN UP!

Saturday
April 21st
8:30 – Noon

Meet at the EMFD
1523 Morton Drive



BREAKFAST
AND LUNCH
WILL BE PROVIDED



BULKY ITEM PICKUP - Monday, APRIL 16TH

City wide spring clean up (bulky items) will take place the week of April 17-21st

Place collection items to curb by 7:00 a.m. No trash cans (they'll be taken) and there is a 50 lb weight limit. NO appliances, tires, hazardous waste, construction materials, TV's and yard waste.

Any questions, please call 752-1573.

2018


Spring
Clean Up
April 16 – 20
on your regular garbage day


Spring
Clean Up
April 16 – 20
on your regular garbage day


Spring
Clean Up
April 16 – 20
on your regular garbage day


Spring
Clean Up
April 16 – 20
on your regular garbage day


Spring
Clean Up
April 16 – 20
on your regular garbage day


Spring
Clean Up
April 16 – 20
on your regular garbage day


Spring
Clean Up
April 16 – 20
on your regular garbage day


Spring
Clean Up
April 16 – 20
on your regular garbage day

Erica Williams

From: Michelle Horton <michellehorton3341@gmail.com>
Sent: Wednesday, May 22, 2019 12:55 PM
To: Erica Williams
Subject: Clean up
Attachments: Scan 10.pdf

Hello! I sent as an attachment or as text if you need to cut and paste or add! ~Michelle

To whom it may concern:

As a group who serves individuals with a variety of challenges we have been working hand in hand with the City of East Moline to assist with clean up in not only Downtown East Moline, but Beacon Harbor (The quarter) & City Parks. (Empire Park, Mitchell Park, Wiman Park, Millennium, Butterworth Park and now Runners Park). We have also assisted in areas that may need attention off 7th Street and 16th-17th Avenue.

Monday thru Thursday we have a group of 3-6 people picking up litter throughout the area from typically 10-2pm daily. We now have an additional team of 2 that goes out routinely to 17th Avenue hill. We rotate designations so we can visit at least 1-2x a month at area parks and a daily routine Downtown.

On Wednesdays we work with United Township Alternative Education students who also assist with keeping our parks clean. We recently have been cleaning at Jacobs Northeast Park each week too.

We continue our efforts year round and go out as weather permits. As we grow the amount of hands to assist our effort to make our City the best it can be increases.

Twice a year we also organize a East Moline Cleanup with our community. In past endeavors we have had up to 30-40 additional hands to assist with Spring Clean up in our area. We now have our own hashtag #benddownandpickitup in which we let the public know that if the individuals who have physical disabilities can pick up litter, everyone can. We have had community members tag us when they stopped to pick up litter in our wonderful city. It takes a village and we have a wonderful support system established with Park and Recreation department in East Moline that we are very thankful for.

Michelle Horton
Respect Abilities, Inc

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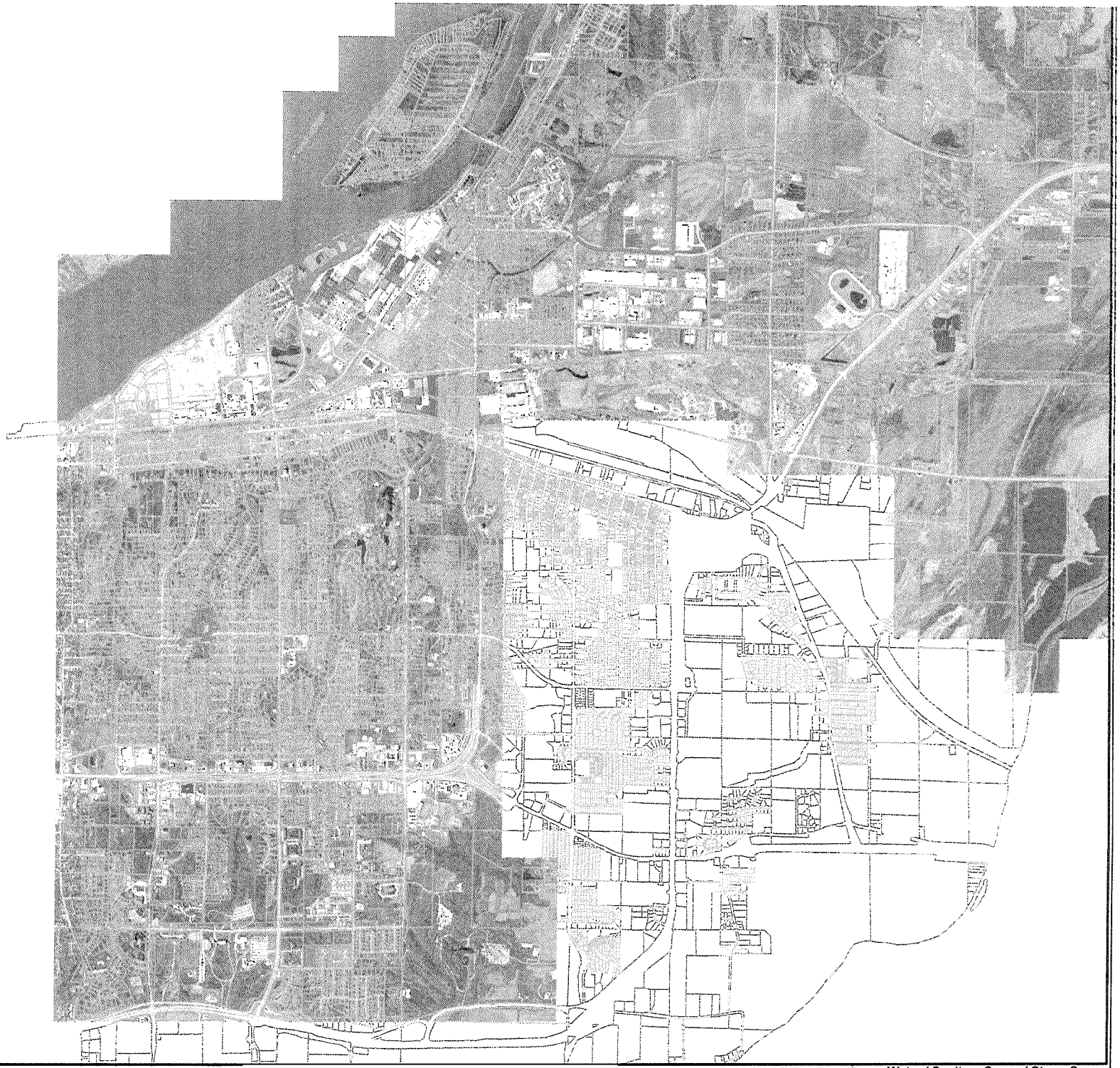
Michelle Horton
Respect Abilities, Inc

Respect Abilities Inc.
309-281-1062



EMGIS_Parcels

City of East Moline Public Works

0 1,150 2,300 4,600 6,900 9,200 Feet

Water / Sanitary Sewer / Storm Sewer Infrastructure

EMGIS_Parcels

City of East Moline Public Works

0 115 230 460 690 920 Feet

Water / Sanitary Sewer / Storm Sewer Infrastructure


3558
3563
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ILLEGAL DISCHARGE: See definition of Illicit Discharge.

ILLICIT CONNECTION: Any drain or conveyance, whether on the surface or subsurface, which allows an illicit discharge to enter the storm drainage system.

ILLICIT DISCHARGE: Any discharge to the storm drainage system that is prohibited under this ordinance.

IMPERVIOUS SURFACE: That area of property that is covered by materials other than soil and vegetation and that has no intended capacity to absorb storm water, such as parking lots, roadways, driveways, sidewalks, patios, tennis courts, roofs and other structures.

INDUSTRIAL WASTE (OR COMMERCIAL WASTE): Any wastes produced as a byproduct of any industrial, institutional or commercial process or operation, other than domestic sewage.

INFILTRATION: The passage or movement of water into the soil surfaces.

JURISDICTION: The city of East Moline.

LOESSIAL SOIL: A sediment, commonly nonstratified and unconsolidated, composed predominately of silt sized particles with accessory clay and sand.

LOT: An individual platted parcel in an approved subdivision.

MAJOR DRAINAGE SYSTEM: That portion of a drainage system needed to store and convey flows beyond the capacity of the minor drainage system.

MECHANICAL FLUID: Any fluid used in the operation and maintenance of machinery, vehicles and any other equipment, including lubricants, antifreeze, petroleum products, oil and fuel.

MINOR DRAINAGE SYSTEM: That portion of a drainage system designed for the convenience of the public. It consists of street gutters, storm sewers, small open channels, and swales and, where manmade, is to be designed to handle the 10-year runoff event.

MITIGATION: When the prescribed controls are not sufficient and additional measures are required to offset the development, including those measures necessary to minimize the negative effects which storm water drainage and development activities might have on the public health, safety and welfare. Examples of mitigation include, but are not limited to, compensatory storage, soil erosion and sedimentation control, and channel restoration.

MOBILE COMMERCIAL COSMETIC CLEANING (OR MOBILE WASHING): Power washing, steam cleaning, and any other method of mobile cosmetic cleaning, of vehicles and/or exterior surfaces, engaged in for commercial purposes or related to a commercial activity.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4): The system of conveyances, including roads, streets, curbs, gutters, ditches, inlets, drains, catch basins, pipes, tunnels, culverts, channels, detention basins and ponds owned and operated by the city of East

8-13-1: PURPOSE; INTENT:

(A) The purpose of this chapter is to establish a stormwater utility to protect the public health, safety, and welfare of the residents of East Moline from damage caused by stormwater runoff and floods by reduction, control and prevention of the discharge of pollutants to the city's municipal separate storm sewer utility system. The stormwater utility shall be responsible for collecting revenue to directly support maintenance and repair of the existing storm drain systems, development of drainage plans, flood control measures, and water quality programs, and funding of capital improvements. The stormwater utility shall require that all property owners within the city, all of whom ultimately benefit from the aforementioned, pay an appropriate share of the cost of the drainage, detention and flood protection facilities necessary to manage such stormwater and floods.

The stormwater utility shall function as a self-supported "enterprise fund" in the city budget and accounting system, separate and apart from the city's general fund for purpose of dedicating and protecting all funding applicable to the utility's operation, maintenance, and capital financing costs.

(B) Some specific stormwater management services the city of East Moline is responsible for include:

1. Maintaining the city's levees and flood protection infrastructure.

2. Developing, administering, inspecting, and enforcing a federally mandated stormwater program that is required by USEPA's phase II of the national pollutant discharge elimination system (NPDES) program.

3. Preventing harmful pollutants from being washed by stormwater runoff into local streams and rivers as required by USEPA.

4. Keeping public streets drained and cleared to make travel safe and minimize flood hazards.

5. Performing necessary maintenance, repairs and replacement of aging stormwater infrastructure including stormwater inlets, pipes, culverts, and other structures to safely collect and convey stormwater through all parts of the city.

6. Making repairs to ravines, ditches, open stream channel systems, and other public drainageways to reduce erosion and loss of property.

7. Ongoing inspection and maintenance to mitigate existing and future problems.

(C) It is the intent of the city council in enacting this chapter:

1. To promote public health, safety, and welfare by permitting the movement of emergency vehicles during flooding periods and minimizing flood losses and the

IN HOUSE TRAINING

Erica Williams

Subject:	Stormwater Meeting
Location:	Conference room
Start:	Thu 2/28/2019 9:00 AM
End:	Thu 2/28/2019 9:30 AM
Recurrence:	(none)
Meeting Status:	Meeting organizer
Organizer:	Erica Williams
Required Attendees:	Tim Kammler; Joseph Miller; Eric McLaughlin; Todd Stickler; Dave Lambrecht

Just a preliminary introduction to getting the city in stormwater compliance. Explain stormwater program and expectations, methods, habits, compliance moving forward.

MOLINE ILLINOIS Department of Engineering

PROJECT IN HOUSE

SUBJECT 9:00 am

DATE 1/28/19 BY EKW CHECKED

- ONE YEAR RULE
- ILLICIT DISCHARGES - Report immediately to me
- ~~CALL TOWNSEND~~ TKTS, EM, JM.
- EDUCATE REGGIE, ETAL
- PROJECT "AS A WHOLE"
- NO FOUNDATION PERMITS OR INTERIOR IF G+D IS REQUIRED
- ONE ACRE NO PERMIT W/OUT NPDES
- ~~ONE LG "THE BEND" NPDES~~ YES
- ~~DEV AGREEMENT "THE BEND" V SW~~
- ~~ACTIVE PERMIT SPREADSHEET~~
- ~~CLOSED PERMIT SPREADSHEET~~
- PERMIT CHECKLISTS
- TRACKING / HOW ENFORCE?
- WITH NOT MANY NPDES SITES IN EM - THE ONES WE DO HAVE ARE SCRUTINIZED!

8-12-7: REQUIREMENTS FOR CERTAIN DISCHARGES:

(A) Private Drainage System Maintenance: The owner of any private drainage system shall maintain the system to prevent or reduce the discharge of pollutants. This maintenance shall include, but is not limited to, sediment removal, bank erosion repairs, maintenance of vegetative cover, and removal of debris from pipes and structures.

(B) Minimization Of Irrigation Runoff: Irrigation systems shall be managed to reduce the discharge of water from a site.

(C) Cleaning Of Paved Surfaces Required: The owner of any paved parking lot, street or drive shall clean the pavement as required to prevent the buildup and discharge of pollutants. The visible buildup of mechanical fluid, waste materials, sediment or debris is a violation of this ordinance. Paved surfaces shall be cleaned by dry sweeping, wet vacuum sweeping, collection and treatment of wash water or other methods in compliance with this ordinance. This section does not apply to pollutants discharged from construction activities, which are otherwise specified.

(D) Mobile Commercial Cosmetic Cleaning Operations: Mobile commercial cosmetic cleaning operations shall not discharge to the storm drainage system in violation of this ordinance.

(E) Maintenance Of Equipment: Any leak or spill related to equipment maintenance in an outdoor, uncovered area shall be contained to prevent the potential release of pollutants. Vehicles, machinery and equipment must be maintained to reduce leaking fluids.

(F) Materials Storage: In addition to other requirements of this ordinance, materials shall be stored to prevent the potential release of pollutants. The uncovered, outdoor storage of unsealed containers of hazardous substances is prohibited.

(G) Pet Waste: Pet waste shall be disposed of as solid waste or sanitary sewage in a timely manner, to prevent discharge to the storm drainage system.

(H) Pesticides, Herbicides And Fertilizers: Pesticides, herbicides and fertilizers shall be applied in accordance with manufacturer recommendations and applicable laws. Excessive application shall be avoided.

(I) Prohibition On Use Of Pesticides And Fungicides Banned From Manufacture: Use of any pesticide, herbicide or fungicide, the manufacture of which has been either voluntarily discontinued or prohibited by the U.S. environmental protection agency, or any federal, state or local jurisdiction.

authorized by an existing permit is likely to imperil any property, public way, stream, lake, wetland, or drainage structure, the city of East Moline shall require, as a condition of allowing the work to be done, that such reasonable special precautions to be taken as is considered advisable to avoid the likelihood of such peril. "Special precautions" may include, but shall not be limited to, a more level exposed slope, construction of additional drainage facilities, berms, terracing, compaction, cribbing, installation of plant materials for erosion control, and recommendations of a certified professional in erosion and sediment control or a professional engineer, which may be made requirements for further work.

Where it appears that storm damage may result because the grading on any development site is not complete, work shall be stopped and the grading and drainage permit holder is required to install temporary structures or take such other measures as may be required to protect adjoining property or the public safety. On large developments or where unusual site conditions prevail, the director of engineering shall specify the time of starting grading and time of completion or may require that the operations be conducted in specific stages so as to ensure completion of protective measures or devices prior to the advent of seasonal rains.

(C) Amendment Of Plans: Major amendments to storm water drainage and detention or grading and drainage plans shall be submitted to the director of engineering and shall be processed and approved or disapproved in the same manner as the original plans. Field modification of a minor nature may be authorized and documented by the director of engineering. (Ord. 07-18, 10-15-2007)

8-12-9: RESPONSIBILITY:

(A) Applicant: The applicant for a grading and drainage permit shall not be relieved of responsibility for damage to persons or property otherwise imposed by law.

(B) Jurisdiction: The city of East Moline or its officers or agents, will not be made liable for such damage by: 1) the issuance of a grading and drainage permit under this ordinance, 2) compliance with the provisions of that grading and drainage permit or conditions attached to it by the director of engineering, 3) failure of the city of East Moline to observe or recognize hazardous or unsightly conditions, 4) failure of the city of East Moline officials to recommend denial or to deny a grading and drainage permit, or 5) exemptions from grading and drainage permit requirements of this ordinance. (Ord. 07-18, 10-15-2007)

8-12-10: MAINTENANCE OF DRAINAGE FACILITIES:

The city of East Moline will maintain those drainage facilities that are on public land and have been dedicated and accepted for maintenance or stipulated by agreement for maintenance by the city of East Moline. All other drainage facilities, when located on other

7. Notice date.

8. Any person receiving a notice of violation may file a written appeal of the notice to the director of engineering within fifteen (15) days of the notice date. The director of engineering will affirm, modify or rescind the notice in writing, within fifteen (15) days of the date of the appeal. If the recipient of a notice of violation is dissatisfied with the outcome of the appeal to the director of engineering, the appeal process outlined in section 8-12-13 of this chapter will be followed.

(C) Enforcement Action Without Prior Notice: Any person who violates or fails to meet a requirement of this ordinance will be subject, without prior notice, to one or more of the enforcement actions identified in this ordinance when attempts to contact the person have failed and the enforcement actions are necessary to stop an actual or threatened discharge which presents or may present imminent danger to the environment or to the health or welfare of persons or to the storm drainage system.

(D) Enforcement Actions: Any person who fails to comply with or appeal a notice of violation, or fails to comply with an appeal decision of the director of engineering, will be subject to one or more of the following enforcement actions:

1. Stop Work Order: The director of engineering may issue a stop work order to the owner and contractors on a construction site, by posting the order at the construction site and distributing the order to all city of East Moline departments whose decisions may affect any activity at the site. Unless express written exception is made, the stop work order shall prohibit any further construction activity at the site and shall bar any further inspection or approval necessary to commence or continue construction or to assume occupancy at the site. A notice of violation shall accompany the stop work order, and shall define the compliance requirements.

2. Abatement Of An Illicit Connection: The director of engineering may terminate an illicit connection. Any expense related to such abatement shall be fully reimbursed by the property owner.

3. Abatement Of A Violation On Private Property: When a property owner is not available, not able or not willing to correct a violation, the director of engineering may enter private property to take any and all measures necessary to abate the violation. It shall be unlawful for any person, owner, agent or person in possession of any premises to refuse to allow the director of engineering to enter upon the premises for these purposes. Any expense related to such abatement shall be fully reimbursed by the property owner.

4. Recovery Of Costs: Within thirty (30) days after abatement by the director of engineering, the director of engineering shall notify the property owner of the costs of abatement, including administrative costs, and the deadline for payment. The property owner may appeal the recovery costs as outlined in section 8-12-13 of this chapter.

5. Termination Of Utility Services: After lawful notice to the customer and property owner concerning the proposed disconnection, the director of engineering shall have the

permit was issued prior to the passage date hereof. All other requirements of this ordinance shall remain in effect.

(C) Improvements That Previously Did Not Require A Permit: The requirements for obtaining a grading and drainage permit for construction that did not require a permit prior to the passage date hereof are waived for a period of one year if the construction commenced prior to the passage date hereof. All other requirements of this ordinance shall remain in effect. (Ord. 07-18, 10-15-2007)

8-12-14: GENERAL REQUIREMENTS FOR ALL CONSTRUCTION SITES:

(A) Responsible Entity: The owner of a site of construction activity shall be responsible for compliance with the requirements of this ordinance.

(B) Waste Disposal: Solid waste, industrial waste, yard waste and any other pollutants or waste on any construction site shall be controlled through the use of BMPs. Waste or recycling containers shall be provided and maintained by the owner or contractor on construction sites where there is the potential for release of waste. Uncontained waste that may blow, wash or otherwise be released from the site is prohibited.

(C) Ready Mixed Concrete: Ready mixed concrete, or any materials resulting from the cleaning of vehicles or equipment containing or used in transporting or applying ready mixed concrete, shall be contained on construction sites for proper disposal. Release of these materials is prohibited.

(D) Erosion And Sediment Control: BMPs shall be implemented to prevent the release of sediment from construction sites. Disturbed areas shall be minimized, disturbed soil shall be managed and construction site entrances shall be managed to prevent sediment tracking. Excessive sediment tracked onto public streets shall be removed immediately.

(E) Continued Compliance: Upon completion of permitted construction activity on any site, the property owner and subsequent property owners will be responsible for continued compliance with the requirements of this ordinance, in the course of maintenance, reconstruction or any other construction activity on the site. (Ord. 07-18, 10-15-2007)

8-12-15: GRADING AND DRAINAGE PERMITS:

(A) Class 1 Grading And Drainage Permit: Any construction that meets one of the following thresholds shall require a class 1 grading and drainage permit:

(C) Class 2 Grading And Drainage Permit: Any construction that meets one of the following thresholds shall require a class 2 grading and drainage permit:

1. Any construction that will include the addition of an impervious surface area (i.e., streets, roof, patio or parking area or any combination thereof) greater than one acre (43,560 square feet).

2. Any land disturbing activity (i.e., clearing, grading, stripping, excavation, fill, or any combination thereof) that will affect an area greater than one acre (43,560 square feet).

(D) Class 2 Grading And Drainage Permit And Application Forms: Class 2 grading and drainage permits and application forms shall include the following:

1. Name(s), address(es) and telephone numbers of the owner and developer of the site, the contractor(s) and of any consulting firm retained by the applicant identifying the principal contractor.

2. Certification that any land clearing, construction, or development involving the movement of earth shall be in accordance with the plans approved upon issuance of the permit.

3. An application fee as set forth in section 8-12-27 of this chapter.

4. A faithful performance bond or bonds, letter of credit, or other improvement security satisfactory to the city attorney in an amount deemed sufficient by the director of engineering to cover all costs of improvements, landscaping, maintenance of improvements and landscaping, and soil erosion and sediment control measures for such period as specified by the director of engineering and inspection costs to cover the cost of failure or repair of improvements installed on the site on a form acceptable to the director of engineering. (See sample in the appendix attached to the ordinance codified herein.) Upon satisfactory completion of the improvements, the documented security would be void.

5. A site plan shall be submitted for both existing and proposed property conditions for applicable developments and for an appropriate distance surrounding the subject property. The plan shall be based on a topographic survey of the property, shall be drawn at a scale of not more than fifty feet to one inch (50' : 1"), and include the following (unless otherwise specified by the director of engineering):

   (a) Proposed and existing grading shown with one foot (1') contours. East Moline city datum shall be used (unless otherwise specified by the director of engineering).

   (b) Property boundary, interior lot lines (if applicable), dimensions, and acreage.

   (c) Zoning classification and required setback dimensions.

   (d) All existing and proposed structures and sizes.

(a) Basis of design for the final drainage system components.

(b) A statement giving any applicable engineering assumptions and calculations.

(c) A statement by the design engineer of the drainage system's provision for handling events greater than the 100-year, twenty four (24) hour runoff.

(d) Design calculations and other submittals as required by this ordinance.

(e) A statement of certification of all drainage plans, calculations, and supporting data by a licensed professional engineer.

7. A depiction of environmental features of the property and immediate vicinity including the following:

(a) The limits of designated regulatory and nonregulatory wetland areas.

(b) The location of trees greater than eight inches (8") in diameter in areas to be disturbed.

(c) Any designated natural areas or prime farmland.

(d) Any proposed environmental mitigation features.

8. Any and all local, state or federal maps marked to reflect any proposed change in the floodway delineation, base flood, or 100-year frequency flood elevation will change due to the proposed project.

9. Conditional approval by FEMA or other regulatory agencies of the proposed changes in the floodway map that have been made if the floodway delineation, base flood, or 100-year frequency flood elevation will change due to the proposed project.

10. Engineering calculations and data supporting all proposed plans. Hydrologic design shall be completed in accordance with section 8-12-24, "Hydrologic Design Criteria For Class 2 Projects", of this chapter. Detention system design shall be completed in accordance with section 8-12-25, "Detention System Design Criteria", of this chapter.

11. If the project involves channel modification, the following information shall be submitted:

(a) A discussion of the purpose and need for the proposed work.

(b) Discussion of the practicability of using alternative locations or methods to accomplish the purpose of the proposed work.

(c) Analysis of the impacts of the proposed project, considering cumulative effects on the physical and biological conditions of the body of water affected.

(d) Additional information as required by this ordinance.

(B) No approval for a grading and drainage permit shall be issued for an intended development site unless one or more of the following have been obtained as applicable:

1. Land use regulations that apply to the development have been approved by the city of East Moline where applicable.

2. Such permit is accompanied by or combined with a valid building permit issued by the building inspector.

3. The proposed earthmoving is coordinated with any overall development program previously approved by the director of engineering for the area in which the site is situated.

4. All relevant federal, state, and local permits.

5. Applicant is successful in the appeals process.

(C) Failure of the director of engineering to act on an original or revised application within sixty (60) days of receipt shall authorize the applicant to proceed in accordance with the plans as filed and in compliance with the regulations contained herein, unless such time is extended by agreement between the director of engineering and the applicant. Pending preparation and approval of a revised plan, development activities may be allowed to proceed in accordance with conditions established by the director of engineering. (Ord. 07-18, 10-15-2007)

8-12-18: OTHER AGENCY PERMITS:

(A) The director of engineering shall not issue a grading and drainage permit unless all required federal, state and drainage district permits have been obtained by the applicant and copies thereof reviewed by the director of engineering. The acquisition of these permits shall be the sole responsibility of the applicant. The granting of a grading and drainage permit under these regulations shall in no way affect the owner's responsibility to obtain the approval required by any other statute, ordinance or code, or to meet the requirements of other city of East Moline ordinances and regulations, including, but not limited to: building permits; section 404 of the clean waters act; section 106 of the national historic preservation act; section 10 of the rivers and harbors act; or permitting required by the Illinois department of natural resources, office of water resources in accordance with the rivers, lakes and streams act, 615 Illinois Compiled Statutes; the soil and water conservation districts act, 70 Illinois Compiled Statutes; the farmland preservation act, 505 Illinois Compiled Statutes; the Illinois ground water protection act, 415 Illinois Compiled Statutes; and the national pollutant discharge elimination system permit (NPDES) and section 401 of the clean water act through the Illinois environmental protection agency, division of water pollution control; and the threatened and endangered species act, 16 USC 1531 et seq.

(B) When a permit is revoked, the director of engineering shall inform the permittee, in writing, of the specific steps the permittee must take in order to have the permit reissued.

(C) It shall be unlawful to continue any work authorized by a permit after revocation of that permit until that permit is reissued or until a new permit is issued.

(D) In cases where the permittee wishes to appeal the decision of the director of engineering, the appeal process outlined in section 8-12-13 of this chapter will be followed. An appeal shall stay all proceedings in furtherance of the action appealed from unless the director of engineering certifies to the storm water board of appeals, after the notice of the appeal has been filed with him, that by reason of facts stated in the certificate a stay would, in his opinion, cause imminent peril to life or property. (Ord. 07-18, 10-15-2007)

8-12-23: POSTCONSTRUCTION RUNOFF CONTROL:

Use of BMPs identified by this ordinance, or the use of any other BMPs not herein discussed, are strongly encouraged by this ordinance. This list of definitions is not exclusive and developers are encouraged to utilize whatever BMPs may be appropriate for a specific site.

(A) Preserving Regulatory Floodplains, Flood Prone And Wetland Areas:

1. Buffer zones: An area along a shoreline, wetland, or stream where development is restricted or prohibited. The primary function of aquatic buffers is to physically protect and separate a stream, lake, or wetland from future disturbance or encroachment. The three (3) types of buffers are water pollution hazard setbacks, vegetated buffers, and engineered buffers.

2. Conservation easements: Voluntary agreements that allow an individual or group to set aside private property to limit the type or amount of development on their property. The conservation easement can cover all or a portion of a property and can either be permanent or last for a specified time. The easement is typically described in terms of the resource it is designed to protect (e.g., agricultural, forest, historic, or open space easements) and explains and mandates the restrictions on the uses of the particular property.

(B) Minimizing Impervious Surfaces On The Property:

1. Open Space Design, Conservation Development: A better site design technique that concentrates dwelling units in a compact area in one portion of the development site in exchange for providing open space and natural areas elsewhere on the site. The minimum lot sizes, setbacks and frontage distances for the residential zone are relaxed in order to create the open space.

1. Sand And Organic Filters: Sand filters are usually two (2) chambered storm water practices; the first is a settling chamber, and the second is a filter bed filled with sand or another filtering media. As storm water flows into the first chamber, large particles settle out, and then finer particles and other pollutants are removed as storm water flows through the filtering medium. There are several modifications of the basic sand filter design, including the surface sand filter, underground sand filter, perimeter sand filter, organic media filter, and multichamber treatment train.

2. Infiltration Trenches: An infiltration trench is a rock filled trench with no outlet that receives storm water runoff. Storm water runoff passes through some combination of pretreatment measures, such as a swale and detention basin, and into the trench. There, runoff is stored in the void space between the stones and infiltrates through the bottom and into the soil matrix.

3. Infiltration Basins: Infiltration basin is a shallow impoundment which is designed to infiltrate storm water into the ground water. Infiltration basins should only be used on small drainage areas (less than 10 acres), and where soils are highly permeable.

4. Porous Pavements: Porous pavement is a permeable pavement surface with an underlying stone reservoir to temporarily store surface runoff before it infiltrates into the subsoil. This porous surface replaces traditional pavement, allowing parking lot storm water to infiltrate directly and receive water quality treatment. There are a few porous pavement options, including porous asphalt, pervious concrete, and grass pavers.

5. Bioretention: Bioretention areas are landscaping features adapted to provide on site treatment of storm water runoff. They are commonly located in parking lot islands or within small pockets of residential land uses. Surface runoff is directed into shallow, landscaped depressions. These depressions are designed to incorporate many of the pollutant removal mechanisms that operate in forested ecosystems. During storms, runoff ponds above the mulch and soil in the system. Runoff from larger storms is generally diverted past the facility to the storm drain system. The remaining runoff filters through the mulch and prepared soil mix. Typically, the filtered runoff is collected in a perforated underdrain and returned to the storm drain system.

(E) Providing Storm Water Retention Structures:

1. On Lot Treatment: On lot treatment is a series of practices that are designed to collect runoff from individual residential or small commercial lots. The primary purpose of most on lot practices is to manage rooftop runoff and, to a lesser extent, driveway and sidewalk runoff. Although there are a wide variety of on lot treatment options, they can all be classified into one of three (3) categories: a) practices that collect and infiltrate rooftop runoff; b) practices that divert runoff or soil moisture to a pervious area; and c) practices that store runoff for later use.

2. Retention Basins: Retention basins are designed to collect and hold storm water runoff, with no outlet pipes or structures. They are not necessarily infiltration basins, and are best designed to rely mostly on evaporation. Retention basins are only feasible when special circumstances of land and soil type are available.

(A) Referenced Standards: Design standards for hydrologic design shall comply with these regulations and with the applicable provisions of the IDOT drainage and design manuals. Where the IDOT drainage and design manuals do not detail requirements, the "Illinois Urban Manual", latest edition, shall be used. Where this ordinance imposes greater restrictions than those imposed by the IDOT drainage and design manuals or those required by other provisions of law or ordinance, the provisions of this ordinance shall prevail.

(B) Release Rates: The drainage system for new developments or redevelopments shall be designed to control the peak rate of discharge from the total property under development so that in the event of a 100-year rainfall event in the postdeveloped condition, the release rate is less than or equal to the discharge from a 5-year rainfall event in the predeveloped condition. Under no circumstances, with any rainfall event, shall the postdevelopment discharge exceed the predevelopment discharge. Where a detailed hydrologic or hydraulic model exists, release rates shall be established and incorporated as part of this ordinance.

(C) Drainage System Design And Evaluation: The following criteria should be used in evaluating and designing the drainage system. The design will provide capacity to pass the 10-year, twenty four (24) hour peak flow in the minor drainage system and an overload flow path (major drainage system) for flows in excess of the design capacity. Whenever practicable, the storm water systems shall not result in the interbasin transfer of drainage unless no other alternative exists.

The design rainfall recurrence interval shall be set by the design application as follows:

Detention	100 year
Emergency overflow routing	100 year
Bridges	100 year
Roadway underpasses	50 year
Swales, ditches, and culverts	25 year
Storm sewers	10 year

(D) Design Methodologies: An applicable hydrologic design method may be selected from the "IDOT Drainage Manual" with the following modifications and clarifications. Minor conveyance systems for areas up to one hundred (100) acres, and major conveyance systems up to ten (10) acres may be designed using the rational method. Design runoff rates may be calculated using a continuous simulation model or by event hydrographic methods. If event hydrographic methods are used they must be HEC-HMS, HEC-1, SCS TR20, or SCS TR55. Event methods must incorporate the following assumptions:

1. Antecedent moisture condition 2 (normal moisture).

(H) Maintenance Considerations: The storm water drainage system shall be designed to minimize and facilitate maintenance. Use of native vegetation is strongly encouraged to reduce maintenance, increase wildlife habitat, and to provide other benefits. Where nonnative vegetation is used, turfed side slopes shall be designed to allow lawn mowing equipment to easily negotiate them. Wet basins shall be provided with alternate outflows, which can be used to completely drain the pool for sediment removal. Pumping may be considered if drainage by gravity is not feasible. Presedimentation basins shall be included, where feasible, for localizing sediment deposition and removal. Site access for heavy equipment shall be provided. A maintenance plan for the ongoing maintenance of all storm water management system components including wetlands is required prior to plan approval. The plan shall include:

1. Maintenance tasks.

2. The party responsible for performing the maintenance tasks.

3. A description of all permanent public or private access maintenance easements and overland flow paths, and compensatory storage areas.

4. A description of dedicated sources of funding for the required maintenance.

(I) Provisions For Agricultural Drainage:

1. Existing easements for any agricultural drainage systems located underneath areas that will be developed shall be preserved. If no such easement exists, an easement shall be dedicated for access and maintenance as provided for in this ordinance.

2. All agricultural drainage systems that serve upstream areas outside of the development and that are located underneath areas that will be developed shall be replaced with nonperforated conduit to prevent root blockage, provided, however, that the existing drainage district system may remain in place with the approval of the appropriate entity.

3. Agricultural drainage systems that, due to development, will be located underneath streets, driveways, and other paved areas as allowed by this ordinance, shall be replaced with conduits meeting the city of East Moline's standards as needed to prevent the collapse of the agricultural drainage conduit.

4. Agricultural drainage systems may be relocated within the development area upon the approval of the director of engineering. Such relocation shall maintain sufficient slope and capacity to prevent sedimentation and to prevent an increase in scouring or structural damage to the conduit. Such relocation shall only be with the consent and approval of the appropriate entity responsible for the system. If the system is not under the authority of a drainage district, the director of engineering shall consider the interests of those landowners who are served by the system.

2. The requirement for storm water detention and release rate shall be waived by the director of engineering when he/she determines it is in the best interest of the city of East Moline to require a fee in lieu of detention as described in subsection (O) of this section.

(D) Ownership: Detention basins are owned by the property owner (often a homeowners' association) unless otherwise described by this ordinance or indicated by the director of engineering. Property developers shall contact the director of engineering to inquire about the ownership and maintenance responsibility of existing regional detention basins which may affect the development.

(E) Maintenance And Repair Responsibilities:

1. Detention ponds and associated inflow and outflow systems are maintained by the property owner absent any specific legal agreement to the contrary.

2. Maintenance agreements may be required at the option of the director of engineering to define parties responsible for the maintenance of commercial detention basins.

3. The detention basin owner shall be responsible for the following items:

(a) An annual report on the detention basin condition, using the checklist attached to the ordinance codified herein, shall be submitted to the director of engineering.

(b) At five (5) year intervals, the basin shall be inspected by a professional engineer registered in the state of Illinois. A report of this inspection shall be submitted to the director of engineering within sixty (60) days of the inspection. The inspection shall include an evaluation of the checklist items in the checklist attached to the ordinance codified herein. An annual report is not required the year the five (5) year report is due.

(c) Detention basin owners shall notify subsequent owners of their maintenance responsibilities and transfer basin maintenance records to the party with active maintenance responsibility.

(d) These requirements shall be effective for all detention basins existing in the city of East Moline on the adoption date hereof as well as detention basins constructed after the effective date.

(F) General Basin Design Requirements:

1. Erosion Control: Temporary and permanent erosion control shall be required for all detention basins in accordance with this ordinance.

2. Verification And Final Approval:

(a) Erosion protection shall be inspected throughout the project duration.

Detention basin side slopes above normal pool shall be designed with permanent erosion protection consisting of grass, nongrass vegetation, or other permanent finish. At least six inches (6") of topsoil must be provided on side slopes above normal pool elevation whenever nonstructural, permanent erosion control is not being used. Permanent erosion protection shall be aesthetically suitable to the development or existing surrounding land use.

5. Overflow Structures: All storm water detention basins shall be provided with an overflow structure capable of safely passing excess flows at a stage at least one foot (1') below the lowest foundation grade in the vicinity of the detention basin. The design flow rate of the overflow structure shall be equivalent to the 100-year rainfall event inflow rate. Weirs, dams and specialized outflows shall be designed by a professional engineer registered in the state of Illinois.

6. Detention Basin Outlet Design:

   (a) Backwater on the outlet structure from the downstream drainage system shall be addressed when designing the outlet.

   (b) Where a single pipe outlet or orifice plate is to be used to control discharge, it shall have a minimum diameter of twelve inches (12"). If design release rates call for smaller outlets, a design that minimizes the possibility of clogging shall be used.

7. Other Design Requirements:

   (a) "Bubble up" outlets are prohibited.

   (b) Pumped outlets and other active control structures are discouraged and must be preapproved on a case by case basis by the director of engineering.

   (c) Temporary erosion techniques shall be used as required to ensure a full stand of cover vegetation in minimum time.

8. Location Requirements:

   (a) In subdivisions, detention basins and their 100-year design high water shall be contained within platted lots dedicated for drainage purposes. In redevelopments, detention basins and their 100-year design high water shall be contained within a drainage easement.

   (b) Detention basin lots shall have a minimum of twenty feet (20') of frontage on a right of way for the purpose of providing unrestricted access for maintenance. Exceptions may be made for infill development.

   (c) A twenty foot (20') minimum setback shall be required from all property lines to the normal pool elevation which is considered to be the elevation of the water level at the permanent depth of the wet basin pool rather than the temporary depth during drainage events.

   (d) Detention basins shall be provided with a minimum of one foot (1') of freeboard above the 100-year design water elevation.

facilities shall be removed by the applicant on a regular basis and before project completion in order to maintain the design volume of the facilities.

(G) Wet Detention Basin Design: Wet detention basins shall be designed to remove storm water pollutants, to be safe, to be aesthetically pleasing, and as much as feasible to be available for recreational use.

1. Depths: Wet basins shall be at least three feet (3') deep, excluding near shore banks and safety ledges. If fish habitat is to be provided they shall be at least ten feet (10') deep over twenty five percent (25%) of the bottom area to prevent winter kill.

2. Shoreline Slopes: The side slopes of wet basins at the normal pool elevation shall not be steeper than five to one (5:1) horizontal to vertical. It is recommended that native aquatic vegetation be established around the perimeter to provide protection from shoreline erosion. Slopes below a depth of eight feet (8') are permitted to be two to one (2:1), in accordance with IDOT standard specifications section 204.

3. Permanent Pool Volume: The permanent pool volume in a wet basin at normal depth shall be equal to the runoff volume from its watershed for the 2-year, twenty four (24) hour event as a minimum.

4. Inlet And Outlet Orientation: The distance between detention inlets and outlets shall be maximized. Inlets and outlets shall be at opposite ends of the basin providing that the orientation does not create undue hardship based on topography or other natural constraints. Designers are encouraged to use baffles or berms in the basin bottom to prevent short circuiting. There shall be no low flow bypass between the inlet and outlet. The minimum flow length shall be ten feet (10') with a recommended minimum ratio of two to one (2:1) for width.

5. Safety Ledge: All wet detention basins shall have a level safety ledge at least four feet (4') in width, two and one-half ($2^1/_2$) to three feet (3') below the normal water depth.

6. Aeration: Wet bottom basins shall have a natural or artificial means of aeration.

7. Dewatering: An outlet structure shall be provided to allow dewatering of the pond for maintenance. Gravity dewatering is strongly preferred.

8. Soil Permeability: Wet bottom basin design shall include an evaluation of soil permeability. A basin liner shall be included in the design if needed to ensure water retention to normal pool elevation.

9. Detention/Sedimentation: It is encouraged that consideration of routing runoff from the development through a stilling basin be considered.

(H) Dry Detention Basin Design: In addition to the other requirements of this ordinance, dry basins shall be designed to remove storm water pollutants, to be safe, to be aesthetically pleasing and as much as feasible to be available for multiple uses.

2. Detention In Floodways: Detention basins shall be placed in the floodway only in accordance with subsection (J)3 of this section.

3. On Stream Detention: On stream detention basins are discouraged but allowable if they provide regional public benefits and if they meet the other provisions of this ordinance with respect to water quality and control of the 5-year and 100-year, twenty four (24) hour events from the property. The volume of detention shall be provided in addition to the existing stream floodway storage. Further criteria are presented in subsection (K) of this section. If on stream detention is used in watersheds larger than one square mile, the applicant will use hydrographic modeling to demonstrate that the design will not increase the water level for any properties upstream or downstream of the property. Also, impoundment of the stream as part of on stream detention:

   (a) Shall not prevent the migration of indigenous fish species, which require access to upstream areas as part of their life cycle, such as for spawning;

   (b) Shall not cause or contribute to the degradation of water quality or stream aquatic habitat;

   (c) Shall include a design calling for gradual bank slopes, appropriate bank stabilization measures, and a presedimentation basin;

   (d) Shall not involve any stream channelization or the filling of wetlands;

   (e) Shall require the implementation of an effective nonpoint source management program throughout the upstream watershed which shall include as a minimum: runoff reduction "best management practices" (BMPs) consistent with section 8-12-23 of this chapter;

   (f) Shall not occur downstream of a wastewater discharge;

   (g) Shall not contribute to the duration or flood frequency of any adjacent land.

(K) Drainage Into Wetlands, Rivers, Streams, Lakes, Ponds, And Areas: Wetlands, rivers, streams, lakes and ponds shall be protected from damaging modifications and adverse changes in runoff quality and quantity associated with land developments. In addition to the other requirements of this ordinance, the following requirements shall be met for all developments whose drainage flows into wetlands, rivers, lakes or ponds:

1. Detention In Wetlands, Rivers, Streams, Lakes Or Ponds: Existing wetlands, rivers, lakes, or ponds shall not be modified for the purposes of storm water detention unless it is demonstrated that the proposed modifications will maintain or improve its habitat and ability to perform beneficial functions and shall comply with other relevant permitting. Existing storage and release rate characteristics of wetlands, rivers, lakes or ponds shall be maintained and the volume of detention storage provided to meet the requirements of this section shall be in addition to this existing storage.

2. Sediment Control: The existing wetlands, rivers, lakes or ponds shall be protected during construction and as further regulated in this chapter.

1. For the purpose of satisfying the requirements for storm water detention or compensatory storage for a development or redevelopment on a property for which detention or compensatory storage was not previously provided, a fee in lieu of detention or compensatory storage may be assessed against the development prior to the issuance of a permit. Fees shall be calculated to establish the property's fair share of costs to provide detention or compensatory storage for the watershed or drainage basin in which the property exists. The cost figures used for detention shall be actual costs for detention or compensatory storage being provided by contract or estimated costs for planned detention or compensatory storage facilities approved by the director of engineering. All revenues received through such fees shall be used for no purpose other than defraying public costs associated with providing detention or compensatory storage facilities.

2. The city of East Moline also may require a fee for each acre/foot of detention needed in lieu of the applicant building a basin on site, provided the property will discharge storm water into existing or proposed detention facilities with added capacity for the additional runoff.

(P) Cooperative Detention: The city of East Moline will consider joint detention facilities developed through cooperative efforts that comply with all requirements of this ordinance. (Ord. 07-18, 10-15-2007)

8-12-26: STORM WATER POLLUTION PREVENTION PLAN (SWPPP):

(A) General:

1. The area disturbed shall be assumed to include the entire property area unless the applicable plans specifically exclude certain areas from disturbance.

2. The owner bears the responsibility for implementation of the SWPPP and notification of all contractors and utility agencies on the site.

3. SWPPPs must be provided for all phases of development, including sanitary sewer construction, storm drainage system construction, water line, street and sidewalk construction, general grading and the construction of individual homes. The class 2 grading and drainage permit holder will not be required to provide an SWPPP for the activities of utility agencies.

4. The regulations for construction or postconstruction management will be used for all regulated construction sites that are contained in the most recent edition of the "Illinois Urban Manual".

5. The city of East Moline will use the Illinois department of transportation (IDOT) system of compliance that is outlined in the "Bureau Of Design And Environment (BDE) Design Manual".

5. An incidence of noncompliance (ION) and corrective action shall be filed by the grading and drainage permit holder within five (5) working days of the incident (the original sent by certified mail to the IEPA with transmittal copy to the director of engineering and a copy kept in the project erosion control file). Use current IDOT ION template (found in forms section of the IDOT construction manual WPC 624).

6. A notice of termination (NOT) shall be filed upon final stabilization of erosion (minimum 70 percent viable vegetative growth) by the grading and drainage permit holder (the original sent by certified mail to the IEPA with transmittal copy to the director of engineering and a copy kept in the project erosion control file). Use current IDOT NOT template V (found in forms section of the "IDOT Construction Manual" WPC 621).

(D) Applicability And Guidelines:

1. It is the responsibility of the grading and drainage permit holder to prepare and maintain documentation to meet the NPDES permit requirements for private grading and construction projects.

2. The director of engineering shall be given immediate access to all required project NPDES documents.

3. All notices sent to the IEPA shall be copied to the director of engineering.

(E) Referenced Standards: Design standards for erosion and sediment control shall comply with the most current provisions of the US EPA regulations, IEPA regulations, IDOT erosion control/NPDES guidelines and per the "Illinois Urban Manual", prepared by the United States department of agriculture, natural resources conservation service unless otherwise stated by this ordinance.

(F) General Erosion And Sediment Control Design Features: The following principles shall apply to all construction undertaken under the authorization of a class 2 grading and drainage permit:

1. New development or redevelopment shall be designed to create the least potential for erosion. The disturbance of slopes greater than seven percent (7%) should be avoided wherever possible. Natural contours should be followed as closely as possible.

2. Natural vegetation shall be retained and protected wherever possible. Areas immediately adjacent to natural watercourses, lakes, ponds, and wetlands are to be left undisturbed wherever possible. Temporary crossings of watercourses, when permitted, must include appropriate stabilization measures.

3. Special precautions shall be taken to prevent damages resultant from any necessary development activity within or adjacent to any stream, lake, pond or wetland. Preventative measures shall reflect the sensitivity of these areas to erosion and sedimentation.

(I) Grading And Drainage Plan Requirements: A grading and drainage plan shall be submitted showing all measures necessary to meet the objectives of this ordinance throughout all phases of construction. The development of a grading and drainage plan shall follow the requirements of this ordinance and the procedures in the latest edition of the "Illinois Procedures And Standards For Urban Soil Erosion And Sedimentation Control" which is hereby incorporated into this ordinance by reference. Standards and specifications for BMPs shall follow the requirements of this ordinance and the criteria in the latest edition of the "Illinois Urban Manual" which is hereby incorporated into this ordinance by reference. The director of engineering may waive specific requirements for the content of submissions upon finding that the information submitted is sufficient to show that the work will comply with the objectives and principles of this ordinance. Permanent soil erosion and sediment control features needed at the completion of any development site shall be included in the submittal.

The submitted grading and drainage plan shall include:

1. Mapping And Descriptions: The existing and proposed erosion and sediment control features of the property and immediate vicinity including:

(a) Items as required for the grading and drainage plan submittal.

(b) Location of the slope disturbance line.

(c) Location and description of the soil erosion and sediment control measures to be employed during construction.

(d) For any structures proposed to be located on the slope side of the slope disturbance line, the map shall include the limits of disturbance including: tree removal, soil erosion and sediment control measures during construction, details of method(s) proposed for providing slope stability, permanent storm water control measures, and permanent erosion and sediment control measures all being certified by a registered professional engineer or a "certified professional erosion control specialist".

(e) The predominant soil types on the site, their location, and their limitations for the proposed use as defined by the USDA natural resources conservation service (NRCS).

(f) Location and description, including standard details, of all sediment control measures and specifics of sediment basins and traps, including outlet details.

(g) Location and description (specification) of all soil stabilization and erosion control measures, including seeding mixtures and rates, types of sod, method of seedbed preparation (type and extent of tillage, weed control, planting equipment, etc.), expected seeding dates, type, method and rate of lime and fertilizer application (soil fertility testing required), kind and quantity of mulching for both temporary and permanent vegetative control measures, and types of nonvegetative stabilization measures.

6. Storm water conveyance channels, including ditches, swales, and diversions, and the outlets of all channels and pipes shall be designed and constructed as regulated in this ordinance. All constructed or modified channels shall be stabilized within forty eight (48) hours, consistent with the following standards and as required in the referenced handbooks:

   (a) For grades up to four percent (4%), seeding in combination with mulch, erosion blanket, or an equivalent control measure shall be applied. Sod or erosion blanket or mat shall be applied to the bottom of the channel.

   (b) For grades of four (4) to eight percent (8%), sod or an equivalent control measure shall be applied in the channel.

   (c) For grades greater than eight percent (8%), rock, riprap, or an equivalent control measure shall be applied over filter fabric or other type of soil protection, or the grade shall be effectively reduced using drop structures.

7. Land disturbance activities in stream channels shall be avoided, where possible, or as regulated by this ordinance. If disturbance activities are unavoidable, the following requirements shall be met:

   (a) Construction vehicles shall be kept out of the stream channel to the maximum extent practicable. Where construction crossings are necessary, temporary crossings shall be constructed of nonerosive material, such as riprap or gravel.

   (b) The time and area of disturbance of stream channels shall be kept to a minimum. The stream channel, including bed and banks, shall be stabilized within forty eight (48) hours after channel disturbance is completed, interrupted, or stopped.

   (c) Whenever channel relocation is necessary, the new channel shall be constructed under dry conditions and fully stabilized before flow is diverted, incorporating meanders, pool and riffle sequence, and riparian planting.

8. Storm sewer inlets and culverts shall be protected by sediment traps or filter barriers meeting accepted design standards and specifications.

9. Soil storage piles containing more than ten (10) cubic yards of material shall not be located with a down slope drainage length of less than fifty feet (50') to a roadway, drainage channel, or abandoned mine. Filter barriers, including straw bales, filter fence, or equivalent, shall be installed immediately surrounding the perimeter of the pile.

10. If dewatering devices are used, discharge locations shall be protected from erosion. All pumped discharges shall be routed through appropriately designed sediment traps or basins, or equivalent and shall not be deposited into an abandoned mine.

11. Each site shall have graveled (or equivalent) entrance roads, access drives, and parking areas of sufficient length and width to prevent sediment from being tracked onto public or private roadways. Any sediment reaching a public or private road shall be removed by shoveling or street cleaning (not flushing) before the end of each

1. To promote public health, safety, and welfare by permitting the movement of emergency vehicles during flooding periods and minimizing flood losses and the inconvenience and damage to property and infrastructure resulting from uncontrolled and unplanned stormwater runoff in the city;

2. To establish a stormwater utility to coordinate, design, construct, manage, operate, and maintain the city's stormwater conveyance system and flood protection infrastructure and to fund the same;

3. To provide for and promote compliance by the city with federal and state laws governing the discharge of pollutants from the municipal storm sewer system and to provide for and promote compliance with a national pollutant discharge elimination system (NPDES) permit issued to the city for such discharge;

4. To establish reasonable stormwater fees based on the approximate contribution of stormwater runoff from each parcel to the city's drainage facilities which will provide a stable funding source to enable the city of East Moline to construct, operate, maintain, administer and replace the city of East Moline stormwater conveyance system, flood protection infrastructure and for compliance with United States environmental protection agency (USEPA) stormwater NPDES permit requirements;

5. To encourage and facilitate urban water resources management techniques, including, without limitation, detention of stormwater and floodwater, reduction of the need to construct storm sewers, reduction of pollution, and enhancement of the environment;

6. To maintain and improve the quality of waterways impacted by the storm drainage system within the city of East Moline;

7. To preserve property values by protecting new and existing buildings and improvements to buildings from damage due to stormwater and/or floodwater;

8. To assure that new developments and redevelopments do not increase flood or drainage hazards to others, or create unstable conditions susceptible to erosion;

9. To preserve the natural characteristics of stream corridors in order to moderate flood and storm water impacts, and to protect water quality;

10. To prevent the discharge of contaminated stormwater runoff and illicit discharges from industrial, commercial, residential, and construction sites into the storm drainage system within the city of East Moline;

11. To promote public awareness of the hazards involved in the improper discharge of trash, yard waste, lawn chemicals, pet waste, wastewater, oil, petroleum products, cleaning products, paint products, hazardous waste, sediment and other pollutants into the storm drainage system;

12. To encourage recycling of used motor oil and safe disposal of other hazardous consumer products. (Ord. 09-16, 8-17-2009)

CITY OF EAST MOLINE

Permit No. _____

APPLICATION FOR GRADING AND DRAINAGE PERMIT

City of East Moline, Illinois

Check One:

- ☐ Class 1 Permit (impervious area: 1,000 sf to 1 acre, land disturbance: 10,000 sf to 1 acre)
- ☐ Class 2 Permit (impervious area: > 1 acre, land disturbance: > 1 acre)

Applicant/Developer: _____
Address: _____
Phone No.: _____ Fax No.: _____
E-Mail: _____

Owner (if Different from Applicant): _____
Address: _____
Phone No.: _____ Fax No.: _____
E-Mail: _____

Contractor: _____
Address: _____
Phone No.: _____ Fax No.: _____
E-Mail: _____

Consultant: _____
Address: _____
Phone No.: _____ Fax No.: _____
E-Mail: _____

Site Location: _____

¼ Section/Section/Township/Range: _____

General Description of Proposed Development: _____

I hereby certify that all construction covered by this Grading and Drainage Permit shall be undertaken in compliance with the East Moline Storm Water Control Ordinance and in accordance with the construction plans approved upon issuance of this permit

_____ _____
Applicant/Developer Date Owner (if different than Applicant) Date

For Office Use Only:

Application Fee: ☐ $150.00 (Class 1) ☐ $250.00 (Class 2)

* Applications must be submitted to the East Moline Engineering & Maintenance Building front desk between 7:00 a.m.- 3:30 p.m. Applications will not be accepted without fee in the form of check or money order. Please make checks payable to: "City of East Moline"

Date Filed: _____
Application Recv'd by: _____

Class 1 and 2 Permits
___ Application (1 copy)
___ Site Plan (6 copies)
___ Reduced-Size Site Plan (1 copy)

Class 2 Permits Only
___ Performance Bond / L.O.C.
___ Engineering Calculations
___ Engineering Certifications
___ SWPPP & NPDES Permit
___ Electronic Site Plan (PDF)

Erica Williams

From: Erica Williams
Sent: Tuesday, January 15, 2019 3:55 PM
To: Tim Kammler
Cc: 'cory@townsendengineering.net'; 'Chris Townsend'
Subject: Townsend

Tim,
Cory and I talked through the Townsend/East Moline projects and we are pretty sure we have it all worked out. Maybe not all in compliance just yet, but we all know what needs to be done, what stands where, and how to move forward. Cory and I have worked together long enough that he knows he can critique my notes, add, delete, change as appropriate and we'll all get through this! If anyone needs him and I to sort out the government shutdown, I feel like we're on a roll and can get that straightened out also! Let me know if you have questions or comments and we'll knock those out too.

The Little Villages/The Rust Belt North Parking Lot/7th Street Fill Site

1) The Villages
    a. Comment No 1 regarding hydrant is addressed and on site plan – will submit before the meeting on the 23rd.
    b. Comment No 2 is accepted: Will submit as-builts after built
    c. Comment No 3 regarding erosion control blanket is addressed and on site plan – will submit before the meeting on the 23rd.
    d. Comment No 4 regarding south parking lot overflow and front door elevations - Chris looking into this and will comment/note on site plan before the meeting on the 23rd.
    e. Stormwater related: NOI was not submitted as disturbance for this phase was under 1 acre.
2) The Rust Belt North Parking lot AND 7th Street Fill site:
    a. Construction of the northern parking lot puts project over 1 acre.
    b. Incomplete NOI to IEPA 11/27/18 for all Villages, Rust Belt, and fill site activities. NOI did not include final site plan for fill site or north parking lot so no letter of coverage or IEPA approvals.
    c. Shot elevations for the north parking lot and the fill site 1/14/19
    d. Shots will be downloaded 1/15/19.
    e. Site plans will be completed and submitted to city 1/16/19.
    f. Site plan and remaining NOI items will be submitted to IEPA 1/16/19 in order to get site into compliance.
    g. SWPPP will be submitted to the city with all drawings.
3) Fill site on 7th Street Fill Site:
    a. See notes above with The Rust Belt.

The Bend/Convention Center

    b. Prepared Civil plans for the building. Larry wanted to get started on building. Got permit for foundation/building only – no stormwater permits have been issued or approved.
    c. Original/incomplete NOI sent in December 6th. Revised NOI/complete, submitted Jan 3 third. Waiting for IEPA approval
    d. Cory will get with Kyle to submit full plan set to the City 1/16/19.

Victory Baptist Sports Complex

    e. IEPA Permits complete and letter of coverage received
    f. Drawings submitted to the City,
    g. City will submit review comments back to Townsend.
    h. Don Smith, I-dig-it Excavating is contractor.
    i. Cory will submit the SWPPP to the city.

7.1 ACRE
CLASS 2

CITY OF EAST MOLINE

GRADING AND DRAINAGE PERMIT
INSPECTION REPORT

053-2018 JOB

PERMIT NUMBER: 2018-015 (Attach Copy of Permit)

PROJECT NAME: VICTORY BAPTIST

DATE OF INSPECTION: 3/27/19

NAME OF INSPECTOR: EKW

TYPE OF INSPECTION:

- ☐ Prior to the start of any land disturbing activities
- ☐ Upon Completion of installation of erosion control measures
- ☐ As deemed necessary during construction
- ☐ After final stabilization and landscaping and prior to removal of temporary sediment controls
- ☒ OTHER / IEPA

GENERAL OBSERVATIONS OF GRADING OPERATIONS:

1. Conformance to general grades of proposed contours: NO GRADING YET ONLY FILL
2. Conformance of proposed structures (type, size and location): NO INFRASTRUCTURE YET
3. Located SWPPP Document on site and up-to-date?
   - ☐ Yes
   - ☒ No DIDN'T ASK FOR IT YET - DID NOT NOTIFY RONA
4. Observations of adjacent properties and facilities: GOOD

APPROXIMATE PERCENT OF PROPOSED IMPERVIOUS SURFACE CONSTRUCTED: 0

CONDITION OF STREAM BANKS, CHANNELS, LAKES AND PONDS (IF APPLICABLE): FINE

GENERAL OBSERVATION OF DRAINAGE AND EROSION CONTROL MEASURES:

1. **General**
   - Are all of the temporary and permanent erosion control measures in place? (YES) NO NA
     Notes:
   - Are all of the temporary and permanent erosion control measures operating correctly? (YES) NO NA
     Notes:
   - Are all of the erosion control measures being properly maintained? (YES) NO NA
     Notes:
2. **Stabilization measures**
   A. Temporary Seeding

Is the compost filter rock area absent of signs of erosion? YES NO NA
Notes:

7. **Storm sewer system**
Are the inlets & outlets in good condition? YES NO NA
Notes:
Is the storm sewer system free of trash and debris? YES NO NA
Notes:
Are the storm sewer pipes free of sediment? YES NO NA
Notes:

8. **Storm Drain inlet protection**
Is the sediment less than ½ the capacity of the inlet protection measure? YES NO NA
Notes:
Is the inlet protection free of trash and debris? YES NO NA
Notes:

9. **Detention Pond**
Is the detention pond outlet absent of sediment collection? YES NO NA
Notes:
Is the detention pond basin absent of erosion? YES NO NA
Notes:
Is outlet structure in tact? YES NO NA
Notes:
Is the outlet free of debris? YES NO NA
Notes:

SUMMARY OF INSPECTION:

The following maintenance shall be performed (describe maintenance activities, locations and dates):
NONE

Recommended revisions to pollution prevention plan (class 2 permits only):
NONE

Other comments: PERIMETER & TRACKING CONTROLS ARE CLEAR AT THIS

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Erica W Illians
SIGNED

3/27/19
DATE

<1 ACRE
CLASS I

CITY OF EAST MOLINE

GRADING AND DRAINAGE PERMIT
INSPECTION REPORT

PERMIT NUMBER: 017-2018 (Attach Copy of Permit)

PROJECT NAME: CHRIST LUTHERAN

DATE OF INSPECTION: 3/27/19

NAME OF INSPECTOR: EKW

TYPE OF INSPECTION:

- ☐ Prior to the start of any land disturbing activities
- ☐ Upon Completion of installation of erosion control measures
- ☒ As deemed necessary during construction
- ☐ After final stabilization and landscaping and prior to removal of temporary sediment controls

GENERAL OBSERVATIONS OF GRADING OPERATIONS:

1. Conformance to general grades of proposed contours: YES
2. Conformance of proposed structures (type, size and location): YES
3. Located SWPPP Document on site and up-to-date?
   - ☒ Yes
   - ☐ No CLASS I
4. Observations of adjacent properties and facilities: —

APPROXIMATE PERCENT OF PROPOSED IMPERVIOUS SURFACE CONSTRUCTED: 100%

CONDITION OF STREAM BANKS, CHANNELS, LAKES AND PONDS (IF APPLICABLE): GOOD ON SITE DETENTION

GENERAL OBSERVATION OF DRAINAGE AND EROSION CONTROL MEASURES:

1. **General**
   - Are all of the temporary and permanent erosion control measures in place? (YES) NO NA
     Notes:
   - Are all of the temporary and permanent erosion control measures operating correctly? (YES) NO NA
     Notes:
   - Are all of the erosion control measures being properly maintained? (YES) NO NA
     Notes:
2. **Stabilization measures**
   A. Temporary Seeding

Is the compost filter rock area absent of signs of erosion? YES NO NA
Notes:

7. **Storm sewer system**
Are the inlets & outlets in good condition? YES NO NA
Notes:
Is the storm sewer system free of trash and debris? YES NO NA
Notes:
Are the storm sewer pipes free of sediment? YES NO NA
Notes:

8. **Storm Drain inlet protection**
Is the sediment less than ½ the capacity of the inlet protection measure? YES NO NA
Notes:
Is the inlet protection free of trash and debris? YES NO NA
Notes:

9. **Detention Pond**
Is the detention pond outlet absent of sediment collection? YES NO NA
Notes:
Is the detention pond basin absent of erosion? YES NO NA
Notes:
Is outlet structure in tact? YES NO NA
Notes:
Is the outlet free of debris? YES NO NA
Notes:

SUMMARY OF INSPECTION:

The following maintenance shall be performed (describe maintenance activities, locations and dates):

Recommended revisions to pollution prevention plan (class 2 permits only):

Other comments: SPOKE TO SITE SUPER A WEEK AGO ABOUT CONSTRUCTING A ROAD - THEY DID AND WORKING GREAT. NO PARKING

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Erica K Williams
SIGNED

3/27/19
DATE

From:	Meyer, Jill
To:	Erica Williams
Cc:	Cindy Mire
Subject:	RE: The Bend Convention Center Inspection
Date:	Thursday, April 25, 2019 9:09:48 AM

Hi Erica:
Yes, the site inspection was completed after the rain on Monday night at The Bend Events Center. It is in the SWPPP book that is on site. I have contacted Mohr Enterprises and asked them to put some additional stabilization in place and clean the roads, etc. They will take care of this.
Thank you!

Jill Meyer, LEED AP BD+C
Project Manager
Russell
4600 E. 53rd Street | Davenport, IA 52807
[T] 563.459.4600 [D] 563.459.4600 [M] 563.529.0605
Website | Email | Facebook | LinkedIn | YouTube | vCard

From: Erica Williams <ewilliams@eastmoline.com>
Sent: Thursday, April 25, 2019 8:44 AM
To: Meyer, Jill <jmeyer@russellco.com>
Cc: Cindy Mire <Cindy.Mire@eastmolineglass.com>
Subject: The Bend Convention Center Inspection

Hello Jill,

As a result of the rain on Monday night, a site inspection was required within 24 hours, as dictated by the NPDES permit. I'm not sure if one was done on your behalf, but when I drove by on Tuesday, I found some tracking and washing. It appears that the construction traffic is going around and over the ESC BMP's and causing washing and tracking issues. See attached photos. Please construction stabilized exits for the traffic or direct them to the existing stabilized access roads. This conditions exists on both the east and west sides of the project. Please respond letting me know that these deficiencies have been properly noted in your on-site inspection log and that these issues have been fixed. The timeline is within 7 days or before the next rain event. Also be sure to have the gutter line and roadway cleaned.

I don't have JT's email so please pass this along to him. Cindy Mire is the owner representative of record for this site so I'm copying her also.

Thank you and let me know if you have questions, concerns, etc.

Erica Williams
City of East Moline
Stormwater Manager


915-25 AVE
EAST MOLINE
H2O MAIN REPAIR
MARCH 2019

CITY OF EAST MOLINE

CITY OF EAST MOLINE

GRADING & DRAINAGE PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, THAT_____, as PRINCIPAL, and _____, as SURETY, are held and firmly bound unto the City of East Moline, Illinois, as OBLIGEE, in the sum of _____ _____($_____) lawful money of the United States, for the payment whereof to the Obligee, the Principal and the Surety bind themselves, their heirs, executors, administrators, successors, and assign, jointly and severally, firmly to these presents:

SIGNED, SEALED AND DATED, THIS ____ day of _____, 20____.

WHEREAS, application was made to the Obligee for approval of a project entitled "_____", located in the City of East Moline, Illinois, filed with the Director of Engineering of the City of East Moline, Illinois, on _____, 20___, said project may be approved upon certain conditions, one of which is that a performance bond in the amount of _____ ($_____), to be filed with the Director of Engineering to guarantee certain improvements in said project.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the above named Principal shall within two (2) years from the date hereof will and truly make and perform the required improvements and construction of public improvements in and adjacent to said project in accordance with the standards and specifications of the City of East Moline and the Storm Water and Erosion Control regulations of the City of East Moline, then this obligation to be void; otherwise to remain in full force and effect.

It is hereby understood and agreed that in the event that any required improvements have not been installed as provided aforesaid within the term of this Performance Bond, the City Council may thereupon declare this bond to be in default and collect the sum remaining payable thereunder and upon receipt of the proceeds thereof, the City of East Moline shall install such improvements as are covered by this bond and commensurate with the extent of development that has taken place in said project but not exceeding the amount of such proceeds.

_____Principal

By: _____Principal

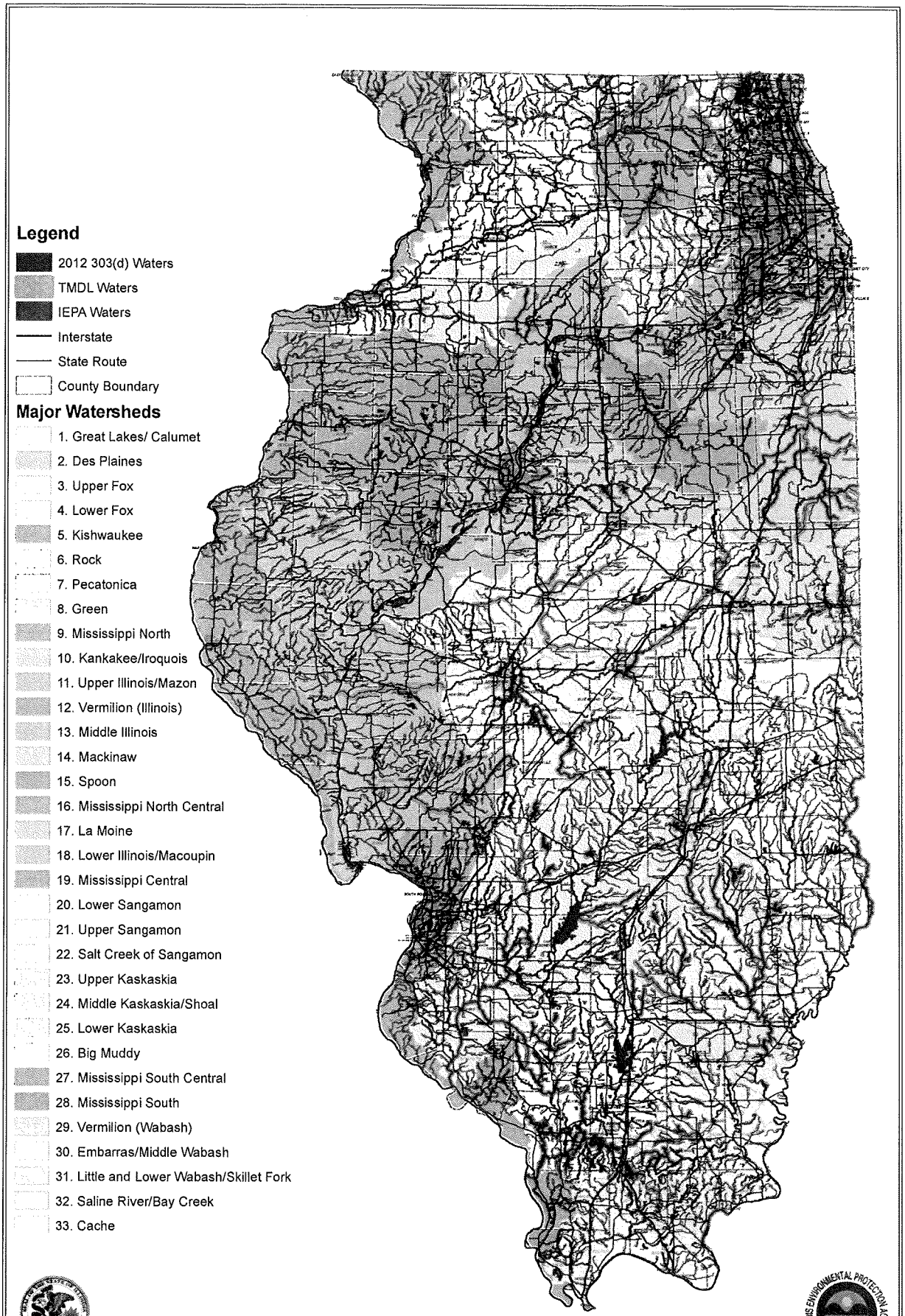
_____Surety

By: _____
Attorney in Fact

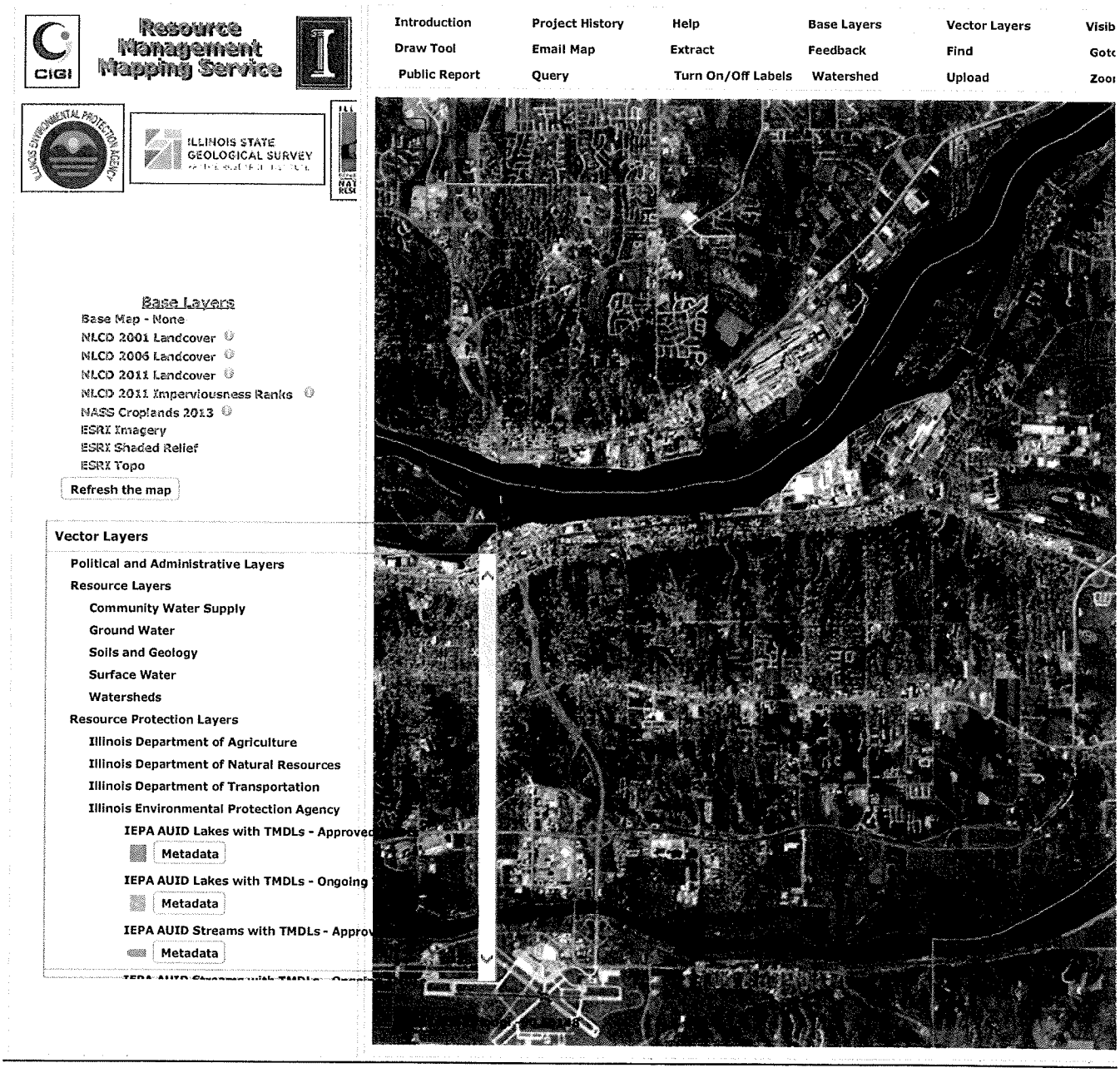
Approved as to Form:

By: _____

2012 Illinois EPA Waters



BOW/WMS/Clarke.12-18-12


Resource Management Mapping Service
CIGI
ILLINOIS STATE GEOLOGICAL SURVEY
Introduction
Project History
Help
Base Layers
Vector Layers
Visib
Draw Tool
Email Map
Extract
Feedback
Find
Gotc
Public Report
Query
Turn On/Off Labels
Watershed
Upload
Zoor
Base Layers
Base Map - None
NLCD 2001 Landcover
NLCD 2006 Landcover
NLCD 2011 Landcover
NLCD 2011 Imperviousness Ranks
NASS Croplands 2013
ESRI Imagery
ESRI Shaded Relief
ESRI Topo
Refresh the map
Vector Layers
Political and Administrative Layers
Resource Layers
Community Water Supply
Ground Water
Soils and Geology
Surface Water
Watersheds
Resource Protection Layers
Illinois Department of Agriculture
Illinois Department of Natural Resources
Illinois Department of Transportation
Illinois Environmental Protection Agency
IEPA AUID Lakes with TMDLs - Approved
Metadata
IEPA AUID Lakes with TMDLs - Ongoing
Metadata
IEPA AUID Streams with TMDLs - Approv
Metadata

City of East Moline

Non-Compliance Advisory Letter: Program to Minimize the Volume of Storm Water Runoff and Pollutants

NPDES Permit No. ILR400330

Project Date: June 2018

Submittal Date: July 2018

Narrative

Before: The 2:1 (horizontal feet of distance: vertical feet of rise) slope of the ravine, located in the public rights-of way, was only protected by the existing trees root systems and sparse grass cover.
The rain water that fell on the surrounding area was directed to a pipe. This pipe conveyed the water for approximately 150 feet. At the outfall of this pipe, the storm water was allowed to cascade down a small amount of riprap placed from the pipe end section for an approximate distance of 10'. As you would expect, the rain water cause two things to happen. First; erosion of the slope took place in the form of rills and Second; sediment was transported to the creek below. Then when this unexpected high velocity storm water exited the pipe, it caused erosion and sediment displacement.

After: The 2:1 vertical slope erosion was repaired, and the surface was armored with 18" of riprap. This riprap provided erosion and sediment control. Also, the pipe end section and existing riprap was replaced. The riprap not only extends out greater than 10' but was placed in such a way to dissipate the energy in the water. Also, water from the roof drains of a nearby house are rerouted to take advantage of the riprap.

AFTER-LOOKING UPSTREAM

STREET SWEEPER ROUTES
Revised March 2003

MONDAY

Kennedy Drive east side and west side from 18th Ave south to 42nd Ave and from 1st St to 4th St. West side of 7th St from 17th Ave south to 41st Ave from 4th St to 7th St.

TUESDAY

All streets south of 42nd Ave to Moline. Kennedy Dr to 13th St, east side of 7th St from 7th St to 19th St from 30th Ave to 41st Ave.

WEDNESDAY

All streets north of 30th Ave to 18th Ave from 7th St to 19th St.

THURSDAY

All Streets north of 18th St. from 13th St to the Quad City Downs.

FRIDAY

12TH Ave from 1st St to 13th St and the Quarter. 14th Ave, 15th Ave, 16th Ave, 17th Ave and 18th Ave from 1st St to 19th St.

PROJECT LIST (IN NO ORDER OF PRIORITY YET)			
Address	notes	contact	solutions?
4031 4th Ave A	flooded yard due to lack of ditch drainage		Re-establish ditches.
320 30th Avenue	flooded yard. Low spot of the neighborhood. Snow and ice blocking flow also	Randee Brown 309-755-0198	unimproved roads, no sewer close
440 14th Street	see email. Homwoner believes there is standing water due to plugged pipe. Dave said pipe is plugged due to neighboring filling in drainage ditch.	Ray Smith 309-236-2581	may need to send letter if drainage ditch is HOLDING water for more than 24 hours in normal rain event
4329 9th Street	See file for pictures & email and explanation	Doug Stempler 792-5314	Clean ditchline at this address and one south and one north
910 39th Ave	homeowner worried about hillside eroding	Patricia Spiegel 309-314-9041 or 309-317-1981	Isn't a priority yet. NOT Patricia's property. 18" pipe and small overland flow. See aerial.
3204 2nd Street Court	city dischage is eroding the hillside - close to garage	Larry Neff 309-372-0751 (owner now)	find end of pipe, extend to bottom, fill eorsion gully
4TH ST, N AotC	maintenance of ditches along west side of 4th		minor ditch and culvert cleaning and
2113 6th Street	reattach and bed pipe in ravine	Olivia Dorothy	
1349 18TH ST	Area floods often and pipe being investigated	Bobby Cantu 309-230-9932	Apparently the intersection floods often. See notes in file
7th St S. Glenview	clean, stabilize, close the fill site	Erica Williams	Once Brandt is out, repair and close.
1124 36TH Ave	two pipes under road have issues at each end	Bill of Centennial	replace as much pipe as necessary and stabilize downstream side.
2906 2nd Street	apparently there is a pipe unde the road that carries water		find pipe under road and open up. This would prevent water from going OVER road nad wahsing out the shoulder.
2719 8TH Street	sinkhole back of inlet and in yard over line	Jeff Belon 309-236-4600	repair basin, spot fix, and/or line - Joseph checking files was supposed to have been fixed and line in 2018 but may have been pulled
604 1ST Ave	reported drainage blockage from 612 1st Ave	Rev Flowers is complainant	See file. Courtesy letter sent to 604 on behalf of 612.
327 31 Ave	ponding in yard during exceptional rain. No city issue but file started	See file	No action necessary but 31st Ave had 8 water main breaks and could be upgraded.
4134 4th Ave B	babcock/Meersman project	James Wippal 309-269-8253	water standing in ditches, sideyard and back yard. Unusual rains and high water

City of East Moline Engineering

PRE-CONSTRUCTION MEETING AGENDA

PROJECT NAME: Railroad Alley Water Main Replacement

OWNER: City of East Moline
915 16th Avenue
East Moline, Il 61244

CONTRACTOR: Langman Construction Co.
220 34th Ave.
Rock Island IL, 61201

ENGINEER: City of East Moline
Engineering Department
1200 13th Avenue
East Moline, IL 61244

MEETING DATE: May 7,2019
MEETING TIME: 10:00 AM
LOCATION: East Moline Engineering and Maintenance Facility
1200 13th Avenue

ITEMS FOR DISCUSSION

1. Introductions
2. Designation of responsible personnel representing the Owner, the Contractor, and the Engineer.

Owner: *City of East Moline*
912 16th Avenue
East Moline, Il 61244
309.752.1595

Contractor: *Langman Construction Co.*
Attn: Chuck Langman
220 34th Ave
Rock Island, IL 61201
309.786.8944

Engineer: *City of East Moline Engineering Dept.*
Attn: Tim Kammler
1200 13th Avenue
East Moline, IL 61244
309.752.1773

Site/Construction.

Staking: *IMEG*
Attn: Luke Miller
309.430.6570

Observation: *City of East Moline Engineering Dept*
Attn: Eric McLaughlin
309.738.6048

Site Foreman: *Langman Construction Co.*
Attn: Steve Stuetzel
309.314.2364

Pre-Construction Mtg
May 7, 2019

Test Samples: *Type, Size and Frequency by ASTM and IDOT Standards*

Substitutions: *May consider if there is a cost savings for the City. Must request in writing.*

Payment and Applications for payment: *By measured, in-place quantity. Contractor rep and Field rep to review and agree on quantities weekly. City will prepare pay applications.*

**** Please Note: As stated in the Special Provisions, payment for rock related pay items will only be based on substantiated documentation and weight tickets kept in a daily log. The daily log must be updated and available to the City's representative at the start of each work day. ****

Work change directive: *Engineering will submit Supplemental/Revised Drawings*

Change Orders: *On EJCDC or approved other. May give verbal Notice to Proceed by: Tim K*

Staking Requests: *Call to Eric McLaughlin directly. Re-staking of contractor damaged, or displaced points is the responsibility of the contractor.*

Contract close out: *After Final Payment, Punchlist and satisfactory construction*

6. Public Coordination:
   - *Garbage Pick-up- Garbage pick up is Monday, Langman will work with residents to get garbage cans moved to location for pick up*
   - *USPS- Eric M. will research where mail boxes are located and figure out a plan of action*
7. Traffic Control:
   - *Street Closure expected, generally anticipated to be one block at a time. Maintain local access as applicable to work flow. Perform regular assessment of traffic control measures as required.*
8. ~~Contractor's field office~~ and Security of Materials and equipment:
9. Housekeeping: *Maintain a specific program to prevent accumulation of debris at construction site.*
10. Permits: *Bacteria Testing by East Moline Water Plant Staff (Brianna Huber 752-1519)*

    Testing requests 24 hours in advance; testing M-Th
11. Working hours. *7:00 a.m. to 5:30 p.m. Monday thru Friday, possible Saturday work also*
12. Procedures for maintaining record documents. *Delivered at Contract Close-out Clean and marked clearly.*
13. Other items of discussion.

Erosion Control- The project is NPDES regulated with an approved ESC and SWPPP that must be adhered to in order to prevent sediment from leaving site. *Given the tight conditions and the flat nature of the project limits, ESC may be altered in the field as necessary if approved by the city.* Also, weekly ESC inspections will also be provided weekly.

Pre-Construction Mtg
May 7, 2019

Rail Road Alley Water Main Replacement

PRE-CONSTRUCTION MEETING ATTENDANCE

	NAME	COMPANY	E-MAIL	PHONE
1.	Matt Kovacic	MEC-Gas	mskovacic@midamericanw.com	(309) 793-3704
2.	Dave Requet	MEC-Gas	DArequet@midamerican.com	(563) 333-8776
3.	Ted Mattan	Genesco com.	Ted.Mattan@Genesco.com	(309) 508-6208
4.	Loren Rains	IMEG	loren.c.rains@imegcorp.com	309-430-6560
5.	Erica Williams	C/E.MO	ewilliams@eastmoline.com	751-2310
6.	Paul Baele	IMEG	paul.m.baele@imegcorp.com	563-823-6032
7.	Luke Miller	IMEG	luke.d.miller@imegcorp.com	309-430-6570
8.	Eric McLaughlin	City of East Moline	emclaughlin@eastmoline.com	309-738-6048
9.	Tim Hammler	East Moline	thammler72@gmail.com	309-752-1595
10.	Tara Blondell	LCI	tara@langmarco.com	563-529-9052
11.	Chuck Langman	LCI	lci@langmarco.com	309-314-6000
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

CITY OF EAST MOLINE
Engineering Department

FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

1. Permit Requirements

Application is hereby made for a **FLOODPLAIN DEVELOPMENT PERMIT** as required under Ordinance #10-05 of the City of East Moline for development as defined in said ordinance. The applicant understands and agrees that:

- The permit applied for, if granted, is issued on the representations made herein;
- Any permit issued may be revoked because of any breach of representation;
- Once a permit is revoked all work shall cease until the permit is reissued or a new permit is issued;
- Any permit issued on this application will not grant any right or privilege to erect any structure or use any premises described for any purposes or in manner prohibited by the ordinances, codes, or regulations of the city;
- The building or development site shall not be used or occupied unless an OCCUPANCY PERMIT has been issued by the Building Official;
- The applicant hereby gives consent to the Building Official (or designee) to make reasonable inspections to enforce the provisions of Ordinance #10-05 without first obtaining a search warrant;
- If issued, the permit form will be posted in a conspicuous place on the premises, in plain view from a public road; and
- If issued, the permit will expire if no work is commenced within six months of issuance.

2. Ownership Information

Owner(s) Name(s) _____ Phone _____

Address _____ City _____

Applicant (s) Name (s) _____ Phone _____

Address _____ City _____

Mail Permit To: _____

DO NOT WRITE BELOW THIS PAGE - FOR CITY ENGINEER

Base Flood Elevation _____ Flood Protection Elevation _____

REASON PERMIT DENIED:

_____

_____

_____

Date of denial letter _____ By _____

PERMIT ISSUED: Permit Number _____ Date _____ By: _____

1ST INSPECTION: Date Requested _____ Date Made _____ By: _____

2ND INSPECTION: Date Requested _____ Date Made _____ By: _____

As-built elevation: _____ Datum _____

Location on building _____

(Attach inspector's field notes and/or elevation certificate.)

3ND INSPECTION: Date Requested _____ Date Made _____ By: _____

OCCUPANCY PERMIT ISSUED

Permit Number: _____ Date _____ By: _____

Erica Williams

Subject:	pumps
Location:	City of East Mo Engineering
Start:	Wed 3/20/2019 8:30 AM
End:	Wed 3/20/2019 2:00 PM
Recurrence:	(none)
Meeting Status:	Meeting organizer
Organizer:	Erica Williams
Required Attendees:	johnl@electricpump.com; Joseph Miller

FIELD/VISUAL INSPECTION:

GATE WELL A - OPEN / NO. DEBRIS - GOOD
B - CLOSED / MINOR RAVINE DEBRIS
C - CLOSED / "
D - " / SOME SEDIMENT STIRRING
E - " / SOME SEDIMENT STIRRING
F - " / SOME GENERAL LITTER
G - " / "
H - " / CLEAN
J - " / CLEAN
P - " CLEAN
Q - " CLEAN
L - " / RAVINE DEBRIS
O - OPEN
K - CLOSED / RAVINE DEBRIS
3RD AVE - OPEN

MISSISSIPPI LEVEL HIGH SO MOST GATES CLOSED + PUMPS ON DUE TO SUSTAINED RAIN.

ALL SEDIMENT, DEBRIS, LITTER WAS MINIMAL + NOT INDICATIVE OF ISSUE OR CAUSE FOR ALARM.

Gatewell Information

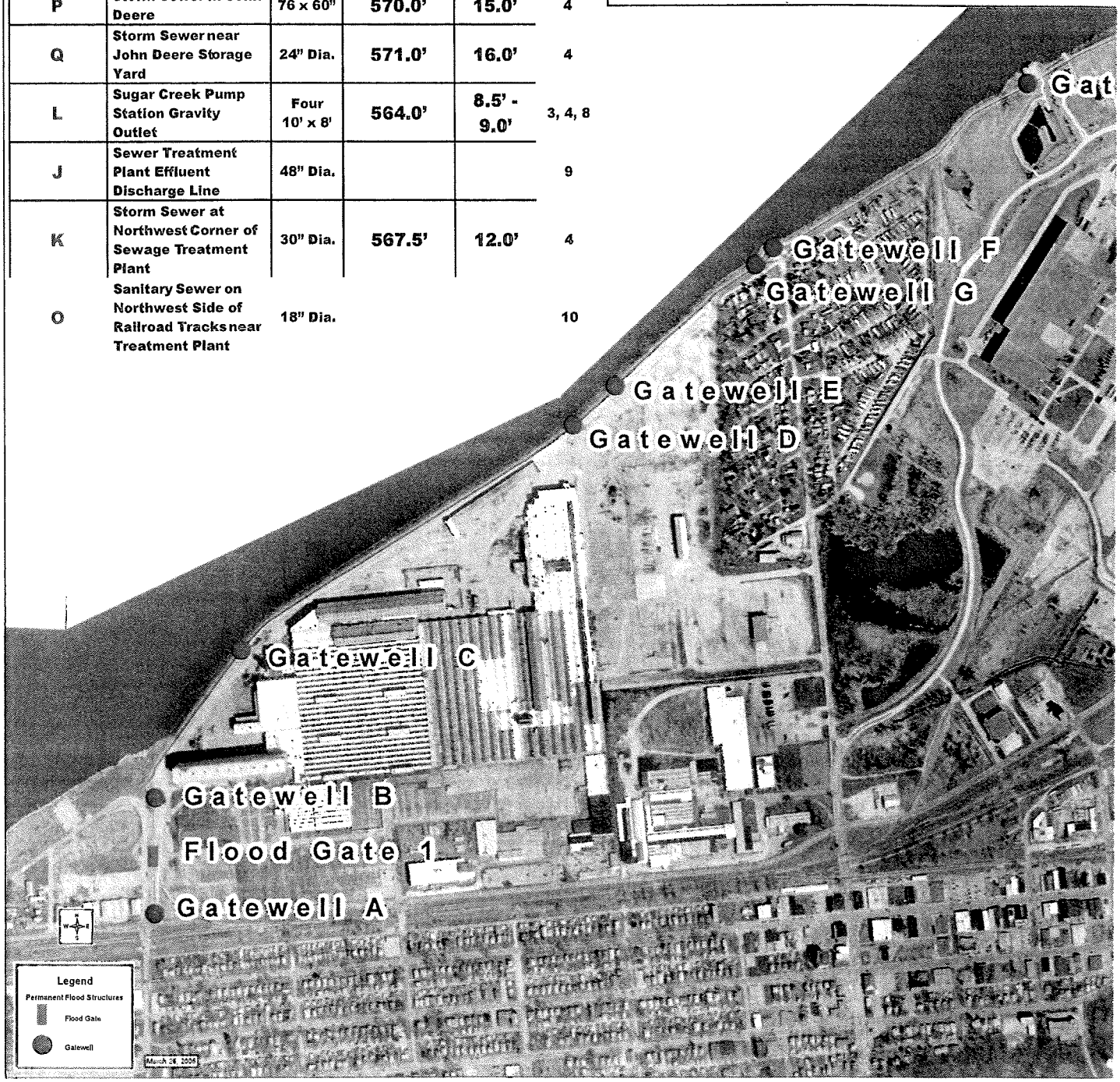
Gatewell	Location	Gate Size	Closing Elevation	Closing Stage	Note
A	Storm Sewers near 1st St. and 12th Ave.	66" Dia. 42" Dia.	573.5'	19.0'	2, 3
B	Outlet for CNH Pump Station No. 26	66" Dia.	566.0'	11.0'	
C	Outlet for CNH Pump Station No. 31	60" Dia.	566.5'	11.0'	
D	Storm Sewer from 7th St. Ponding Area	60" Dia.	563.5'	9.0'	3, 4, 5, 6
E	Outlet for CNH Pump Station No. 29	72" Dia.	565.5'	10.5'	
G	Storm Sewers for Cottage Grove Drainage	42" Dia.	567.0'	12.0'	4
F	East Moline Raw Water Intake Line	42" Dia.			7
H	Storm Sewer at John Deere Ponding Area	72" Dia.	570.0'	15.0'	4, 5
P	Storm Sewer at John Deere	76 x 60"	570.0'	15.0'	4
Q	Storm Sewer near John Deere Storage Yard	24" Dia.	571.0'	16.0'	4
L	Sugar Creek Pump Station Gravity Outlet	Four 10' x 8'	564.0'	8.5' - 9.0'	3, 4, 8
J	Sewer Treatment Plant Effluent Discharge Line	48" Dia.			9
K	Storm Sewer at Northwest Corner of Sewage Treatment Plant	30" Dia.	567.5'	12.0'	4
O	Sanitary Sewer on Northwest Side of Railroad Tracks near Treatment Plant	18" Dia.			10

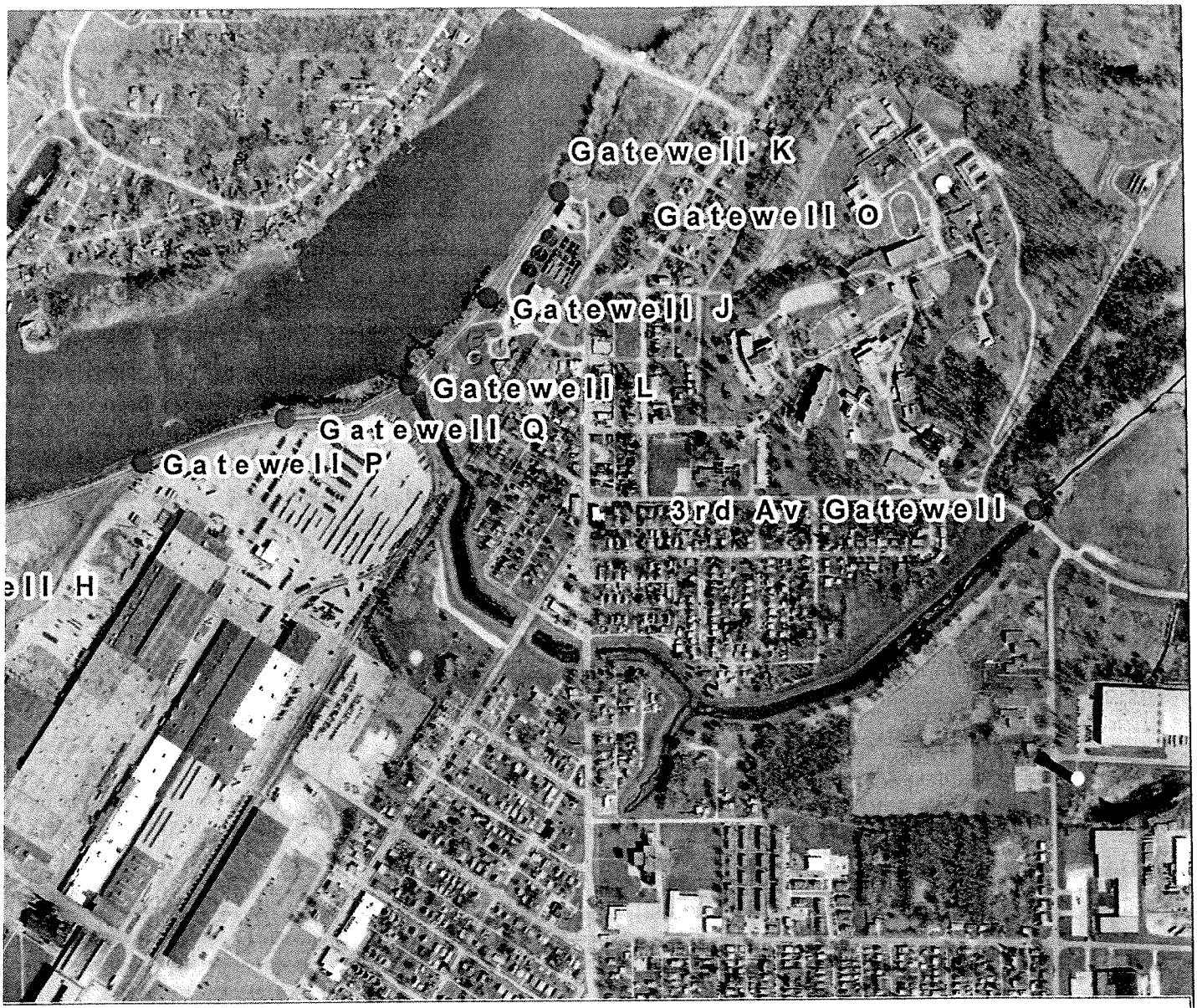
FLOOD EMERGENCY OPERATION

Proper operation of flood control structures is required to prevent or reduce flooding during periods of high water. T text, the map and the linking documents to the gatewells serves to address project specific flood emergency opera and maintenance instructions. The intent of these instructions is to provide information that allows orderly a efficient use of the project features to meet the design g and objectives.

Click on the Orange Gatewe

for all information about operation and flooding procedur





ewell A is on a pressure storm sewer. Closure of the gate during a flood is required only if the line aks inside the protected area.

ewell D requires a portable pump with a minimum size of 3,000 gpm with 16' head

ewell G requires a portable pump with a minimum size of 2,000 gpm with 12' head

ewell H, P, Q requires a portable pump with a minimum size of 10,000 gpm with 16' head

ewell D can be closed when the water level at the 7th st gage is at 567.5 if an 18,000 gpm portable np is provided

ewell F is on the East Moline Water Works intake line. The gate can be used to throttle flow to the ter plant. Complete closure of this gate will only be required if the line breaks inside the protected a during a flood.

ewell L is on the Sugar Creek Pump Station Gravity Outlet. The pump station should be activated en this gate is closed.

ewell J is on the effluent discharge line for the East Moline Regional Sewage Treatment Plant. The nt was designed to operate during the design flood. Closure of this gate is required only if a line breaks hin the protected area during a flood.

ewell O is on a waterproof sanitary sewer that crosses the line of protection. Closure of the gate is uired only if the sewer breaks in an area that is under flood waters.