

**MS4 Inspection Report**

<b>Inspection Date(s):</b>	07/25/2022 - 07/28/2022	Announced: Yes
<b>Time:</b>	Entry: 01:30 PM (CT)	Exit: 09:10 AM (CT)
<b>Media:</b>	Water	
<b>Statute(s)/Program(s):</b>	Clean Water Act, NPDES	
<b>Type of inspection:</b>	MS4 - Municipal Separate Storm Sewer System Inspection	
<b>Access:</b>	Granted	
<b>Permittee Name:</b>	City of Cahokia Heights	
<b>Facility or Site Name:</b>	Cahokia Heights Public Works Department	
<b>Facility/Site Physical Address:</b>	726 S. 50th Street	
<b>(City, state, zip code)</b>	Cahokia Heights, IL 62207	
<b>County/Parish:</b>	St. Clair	
<b>Facility GPS Coordinates:</b>	38.57490, 90.12032	
<b>Mailing address: (If different)</b>		
<b>(City, state, zip code)</b>		
<b>Facility/Site Identifier:</b>	ILU330001	
<b>Permit Number:</b>	Unpermitted Facility	
<b>SIC or NAICS:</b>		

**Persons Participating in Inspection:**

<b>Title</b>	<b>Name</b>	<b>Phone</b>	<b>Email</b>	<b>Present at Opening Conf.</b>	<b>Present at Closing Conf.</b>
Lead Inspector	Dean Maraldo	3123532098	Maraldo.Dean@epa.gov	Yes	Yes
Inspector	Joan Rogers	(312) 886-2785	rogers.joan@epa.gov	Yes	Yes
Inspector	Ted Flatebo	(312) 886-9402	Flatebo.Ted@epa.gov	Yes	No
City Public Works Director	Corey Allen	(618) 610-7961	callen@cahokiaillinois.org	Yes	Yes
City Assistant Public Works Director	Keith Nolden	(618) 530-7544	knolden@cahokiaillinois.org	Yes	No

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Storm Water Coordinator	Wayne Caughman	(618) 346-5125	Wayne.Caughman@Illinois.gov	Yes	No
St. Clair County	James Harms	(618) 233-1392-18	James.Harms@co.st-clair.il.us	Yes	No
City Assistant Public Works Director	Tom Hill			Yes	No
Hurst-Rosche, Inc.	Terry Sudholt	(618) 398-0890	tsudholt@hurst-rosche.com	Yes	No
Gonzalez Companies LLC	Tony Schenk	(618) 222-2221-101	tschenk@gonzalezcos.com	No	No
Gonzalez Companies LLC	John Schaller			No	No

**Lead Inspector:**

Dean Maraldo	<i>[Signature]</i>	<b>DINO MARALDO</b>	Digitally signed by DINO MARALDO Date: 2022.08.04 09:57:56 -05'00'
	REGION 5	maraldo.dean@epa.gov	(312) 353-2098

**Supervisor Review:**

Ryan Bahr	<i>[Signature]</i>	<b>Bahr, Ryan</b>	Digitally signed by Bahr, Ryan Date: 2022.08.05 08:56:10 -05'00'
	REGION 5	bahr.ryan@epa.gov	

**SECTION I – INTRODUCTION**

**Site Entry and Inspection Objectives**

The City of Cahokia Heights operates a small municipal separate storm sewer system (MS4). In May 2021, the former communities of Centreville, Alorton, and the Village of Cahokia merged into the City of Cahokia Heights. The purpose of the inspection was to determine the status of MS4 permit coverage for the newly formed City of Cahokia Heights, and to review the City's implementation of MS4 permit program requirements.

The Phase II National Pollutant Discharge Elimination System (NPDES) regulations automatically cover, on a nationwide basis, any MS4 “located in an urbanized area as determined by the latest Decennial Census by the Bureau of the Census” (unless the MS4 qualifies for a waiver) 40 CFR § 122.32(a)(1). “Urbanized areas,” as defined by the Census Bureau when the Phase II regulations were issued, comprise areas “that together have a minimum population of 50,000 people.” 64 Fed. Reg. 68722, 68751 (December 8, 1999).

The universe of regulated small MS4s in urbanized areas expands every 10 years, according to the 1999 stormwater Phase II final rule. A “small MS4” is any MS4 not already covered under Phase I of the NPDES stormwater program. The City of Cahokia Heights is within the St. Louis, MO-IL urbanized area (UACE#77770), as defined by the U.S. Census Bureau, and subject to NPDES stormwater regulation as a small MS4.

## Cahokia Heights MS4

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I, U.S. EPA inspector Dean Maraldo, arrived at the Cahokia Heights Public Works Department (the "City" or "Facility"), located at 726 S. 50th Street, at 01:30 PM (CT) on 07/25/2022 for an announced inspection. I presented my inspector credentials to Corey Allen and informed him that this was a U.S. EPA inspection to determine compliance with the Clean Water Act (CWA) and the NPDES permit program. I was joined by U.S. EPA inspectors Joan Rogers and Ted Flatebo. I led the inspection under the authority of the Federal CWA, Section 308. The table above identifies the attendees that participated in the inspection. This report is based on information supplied by the City of Cahokia Heights Department of Public Works representatives, observations made by U.S. EPA inspectors, and records and reports maintained by the City and U.S. EPA inspectors, including: direct observations made by the U.S. EPA inspectors, photographs taken by U.S. EPA inspectors, verbal or written statements made by or information supplied by City representatives during or subsequent to the on-site Inspection, and materials, processes, data, photographs, or documents shown, demonstrated, or submitted to the U.S. EPA inspectors by the City during or subsequent to the on - site Inspection. In addition, information gathered prior to or subsequent to the Inspection from a review of U.S. EPA, State, and public records may be included in this report.

### Facility/Site Description

The inspection opening conference was held in the garage of the City of Cahokia Heights Public Works building, located at 726 S. 50th Street. I began the inspection by reviewing the inspection plan, including review of MS4 permit status and the physical inspection of the Public Works facility at 726 S. 50th Street. Prior to the inspection, I requested the City provide the most recent notice of intent ("NOI") for coverage under Illinois EPA's NPDES General Permit for Discharges from Small MS4s ("GP ILR40", see Appendix 3), and any program plans developed pursuant to the permit. I asked the City representatives if the City applied for coverage under GP ILR40 since the May 2021 merger. Corey Allen ("Director") said the City has not submitted an NOI for the MS4 permit. With this information, I asked if the City developed any of the storm water management programs required under GP ILR40. The Director said they have not. Wayne Caughman added that on July 13, 2021, Illinois EPA sent a letter notifying the City of its obligation to seek coverage under GP ILR40. He provided the Director with a copy of the letter (see Appendix 3).

### Inspection Units

Unit/Area	Description
General Permit NOI Process	Interview questions
Operations	
Review of Illinois General MS4 Permit Minimum Control Measures	
Stormwater System Conveyance and Mapping	
Pollution Prevention/Good Housekeeping for Municipal Operations	Physical inspection
Stormwater Observations	
73rd Street, Cahokia Heights	
N 82 and Belleview Ave, Cahokia Heights	
N. 82nd Street, Cahokia Heights	

## Cahokia Heights MS4

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Without an MS4 program to evaluate, I suggested we revise the inspection plan to include a review of the general permit NOI process and go over the requirements of GP ILR40. I asked if the City still uses the City Public Works facility on Levin Drive. The Director said the Levin Drive facility is no longer used and all Public Works operations are now managed from the 726 S.50th Street location. I proposed to conduct the physical inspection of the Public Works facility at 726 S. 50th Street to assess Pollution Prevention and Good Housekeeping measures for the City's municipal operations. The City representatives agreed and we concluded the opening conference and began the interview portion of the inspection.

### SECTION II – OBSERVATIONS

Observations may not be in sequential order.

<b>Location:</b> Interview/General Permit NOI Process	<b>Contains CBI:</b> No
<b>Observation #:</b> DM1-OB-001	<b>Date:</b> 07/25/2022
<p>I reviewed the requirement to submit an NOI under Illinois EPA's NPDES General Permit for Discharges from Small MS4s ("GP ILR40"). Wayne Caughman (Illinois EPA) mentioned that St. Clair County has a MS4 Co-permittee group that includes many communities. He was not sure if the City of Cahokia Heights officially joined the group. However, James Harms (St. Clair County) later confirmed that the City of Cahokia Heights has officially joined the St. Clair County MS4 Co-permittee group. Wayne Caughman added that the Co-permittee group has quarterly meetings and the Director added that City of Cahokia Heights representatives attended the last meeting. James Harms mentioned that the St. Clair County MS4 Co-permittee group has a new consultant charged with assisting members with implementation of parts of the MS4 program.</p>	
<b>Location:</b> Interview/Operations	<b>Contains CBI:</b> No
<b>Observation #:</b> DM1-OB-004	<b>Date:</b> 07/25/2022
<p>I started the discussion on operations with a question about ditch maintenance. The Director said the ditches are maintained on a regular basis, along with culverts. The City obtained a vacuum truck as a result of the merger with the Village of Cahokia which helps with culvert cleaning. I asked if there were written plans and schedules regarding ditch and culvert maintenance. The Director said there are no written plans or schedules and maintenance is based on "trouble areas". I asked about the City's "Fresh Start" program. The Director described the program which is designed to clear vacant properties of abandoned personal property and waste. The program relies entirely on City personnel and equipment. The goal is to focus on one area then move to the next.</p> <p>I asked about hours of operation and staffing levels. The Director said normal operating hours are between 8:30am-4:30pm, Monday thru Friday. The department currently has 11 total staff including the Director and Assistant Directors. However, they normally operate with a total of 12 staff. The operations staff are divided by area and job function, with four staff designated for the former Centreville and Alorton portions of the City, four staff designated for the former Village of Cahokia portion of the City, and four staff dedicated to demolition work. The staff work across these operational areas as needed. The department is responsible for maintaining streets and drainage, plowing, and demolition. The Director reports to the Mayor.</p> <p>Complaints are few, according to the Director. He added that complaints are often received through City Hall, and in written form or via phone. Lately, complaints and any related work orders are recorded on paper and</p>	

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stored in the Director's office.

U.S. EPA inspector Joan Rogers asked what resources the department might need to improve operations. The Director mentioned a few items, including more staff (ideally a total of 18 staff), road resurfacing equipment, and a new street sweeper to replace the old Village of Cahokia sweeper, which is out of operation due to lack of available parts.

**Location:** Interview/Review of Illinois General MS4 Permit Minimum Control Measures      **Contains CBI:** No

**Observation #:** DM1-OB-002      **Date:** 07/25/2022

I went over each of the Illinois EPA General Permit for Small MS4 Minimum Control Measure requirements. The Public Works Director's provided the information below.

- 1) Public Education and Outreach: The City has no MS4 Public Education and Outreach program.
- 2) Public Involvement/Participation: The City has no MS4 Public Involvement/Participation program. However, they hope to benefit from St. Clair County Co-permittee group resources in this area.
- 3) Illicit Discharge and Elimination: The City has no MS4 Illicit Discharge and Elimination program and no past experience with Illicit Discharge and Elimination. The Director mentioned known illicit discharges on 82nd Street and Pocket Road.
- 4) Construction Site Storm Water Runoff Control: The City has no Construction Site Storm Water Runoff Control program, and the Director was not sure if the City has construction stormwater-related ordinances.
- 5) Post-Construction Storm Water Management in New Development and Redevelopment: The City has no Post-Construction Storm Water Management in New Development and Redevelopment program. James Harms (St. Clair County) mentioned that the Co-permittee group provides some annual MS4 training.
- 6) Pollution Prevention/Good Housekeeping for Municipal Operations: The City has no formal Pollution Prevention/Good Housekeeping program for Municipal Operations.

In summary, the City is not implementing any of the Illinois EPA GP ILR40 MS4 Minimum Control Measure requirements.

**Location:** Interview/Stormwater System Conveyance and Mapping      **Contains CBI:** No

**Observation #:** DM1-OB-003      **Date:** 07/25/2022

I asked the City representatives about the availability of MS4 system maps. Keith Nolden stated he believed paper maps of the former Village of Cahokia storm sewer exist. The Director said he was not aware of any maps of the former Centreville and Alorton storm sewers. James Harms (St. Clair County) mentioned the former Co-permittee consultant may have some digital maps of storm sewers but wasn't sure. He said he would look into it. I asked about areas in the City with piped storm sewers and inlets. The Director said that most of the City's system consists of ditches. I asked about sewer inlets observed in the community north of Canal #1. The

Director said that storm water is collected through pipes in the area around Pittsburgh, 63rd Street, Piat Place, and Laura. This system drains toward I-255. Keith Nolden added that the former Village of Cahokia has lots of storm water pipes and inlets. Last, I asked about the former Village of Alorton. The Director said the area around Alcoa has some storm water pipes and inlets, along with areas around 47th and Market and 41st and Market.

<b>Location:</b> Public Works Facility /Pollution Prevention/Good Housekeeping for Municipal Operations	<b>Contains CBI:</b> No
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<b>Observation #:</b> DM1-OB-005	<b>Date:</b> 07/25/2022
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Physical inspection of Pollution Prevention/Good Housekeeping for Municipal Operations.

We began the physical inspection of the City of Cahokia Heights Public Works facility, located at 726 S. 50th Street, at 2:55 pm on July 25, 2022. I asked the Director if it was ok to take photographs and if there were any confidential business information concerns. The Director granted permission to take photographs with no concerns.

We observed staining on the gravel ground beneath a public works truck. At the time of the inspection there was a pan underneath the truck collecting oil dripping from the rear of the vehicle (see Photo Log image CCHM001).

The group walked over to the salt storage area and I observed a corrugated metal pipe inlet in front of the salt storage structure (see Photo Log image CCHM004). The salt storage structure was covered, but the front of the structure was exposed and salt debris was observed within the inlet of the corrugated metal pipe. The pipe led to a ditch running along the southwest boundary of the facility. I observed the outlet of the metal corrugated pipe and noticed white staining and debris on the gravel at the outlet and leading into and along the ditch (see PhotoLog image CCHM002). The ditch continued southeast toward the rear of the facility and I-255. The white staining and debris continued along the ditch (see Photo Log image CCHM003).

We walked toward the rear of the public works yard and noticed some large debris and waste piles (See Photo Log images CCHM005). U.S. EPA inspector Joan Rogers asked about the Public Works department's waste and debris collection practices. The Director said the crews pick up trash all day and deliver all waste here to the Public Works yard. They haul waste daily to a nearby landfill. The Director said they separate tires and twice a year send tires to the County as part of a state tire recycling program. Inspector Rogers noted that they may want to consider shredding or covering tires while temporarily stored on site to minimize potential insect breeding.

Walking along the southwest boundary of the facility, I observed the ditch running along the boundary. I took a photograph of the ditch (see Photo Log image CCHM006) looking southeast and downgradient from the point we observed the corrugated metal pipe from the salt storage structure.

The group then headed across the yard toward the northeast and observed another large debris pile and two uncovered dumpsters filled with debris (see Photo Log images CCHM007 and CCHM 008).

As we walked back toward the facility garage I observed three above-ground tanks (two diesel and one gas tank) in the center of the lot (see Photo Log image CCHM009). The Director said the tanks are abandoned and no longer used. He said the diesel tanks are empty and they are waiting for a pump to drain whatever is

remaining in the gas tank.

The last area observed was the new fuel storage area. The area is covered and contains two new above-ground fuel tanks (see Photo Log image CCHM010). The Director said the tanks were installed within the last three months. The new above-ground fuel tanks did not have secondary containment, but the Director believed they were double-walled tanks.

I also observed two damaged, uncapped, and nearly filled drums in the new fuel storage area (see Photo Log image CCHM 011). I asked the Director if he knew what was in the drums. Public Works Assistant Director Tom Hill dipped the drums and noted that the liquid appeared to be waste oil.

We concluded the physical inspection of the City of Cahokia Heights Public Works facility, located at 726 S. 50th Street, at 3:25 pm on July 25, 2022. We agreed to meet and close out the MS4 inspection the next day (July 26) in the afternoon, as the U.S. EPA inspection team had a meeting in the morning regarding another matter outside of Cahokia Heights.

During the early hours of July 26, 2022, a severe rain event occurred in the St. Louis area, including Cahokia Heights. Over 6 inches of rain fell over Cahokia Heights over a 12 hour period from 1:00 am to noon on July 26 (based on National Weather Service data for the St. Louis Downtown Airport, located in Cahokia Heights). As a result of the storm, which caused widespread flooding throughout the region, the City's Public Works staff were deployed to respond to emergencies throughout the City on July 26 and July 27. We postponed the inspection close out conference (conducted via telephone) to the morning of July 28, 2022.

**Photo(s)**

1. [CCHM001.JPG](#)
2. [CCHM002.JPG](#)
3. [CCHM003.JPG](#)
4. [CCHM004.JPG](#)
5. [CCHM005.JPG](#)
6. [CCHM006.JPG](#)
7. [CCHM007.JPG](#)
8. [CCHM008.JPG](#)
9. [CCHM009.JPG](#)
10. [CCHM010.JPG](#)
11. [CCHM011.JPG](#)

<b>Location:</b> Stormwater Observations/73rd Street, Cahokia Heights	<b>Contains CBI:</b> No
<b>Observation #:</b> DM1-OB-007	<b>Date:</b> 07/26/2022
<p>On July 26, 2022, I observed a surcharging sanitary sewer manhole (see Photo Log image CHWW0030) on 73rd Street in Cahokia Heights. The roadside ditches along the street were completely inundated with floodwater, along with sanitary sewage discharging from the manhole. I also captured video of the surcharging manhole and inundated ditches on 73rd Street.</p>	
<p><b>Photo(s)</b></p> <ol style="list-style-type: none"> <li>1. <a href="#">CHWW0030.JPG</a></li> </ol>	
<b>Location:</b> Stormwater Observations/N 82 and Bellevue Ave, Cahokia Heights	<b>Contains CBI:</b> No
<b>Observation #:</b> DM1-OB-008	<b>Date:</b> 07/26/2022
<p>On July 26, 2022, I observed inundated roadside ditches and a partially submerged lift station structure on Bellevue Ave (see Photo Log CHWW0038).</p>	
<p><b>Photo(s)</b></p> <ol style="list-style-type: none"> <li>1. <a href="#">CHWW0038.JPG</a></li> </ol>	
<b>Location:</b> Stormwater Observations/N. 82nd Street, Cahokia Heights	<b>Contains CBI:</b> No
<b>Observation #:</b> DM1-OB-006	<b>Date:</b> 07/26/2022
<p>On July 26, 2022, I observed a sanitary sewer overflow (SSO) from sewer cleanout along N. 82nd Street. The SSO discharges into a roadside ditch (see Photo Log image CCWW0055) that discharged to a ditch that flowed through the backyards of a several homes and then through twin culverts under N. 80<sup>th</sup> Street and into Canal #1 (see Photo Log image CHWW0047). I also captured video of both the SSO discharge and the ditch discharge to Canal #1.</p>	
<p><b>Photo(s)</b></p> <ol style="list-style-type: none"> <li>1. <a href="#">CHWW0055.JPG</a></li> <li>2. <a href="#">CHWW0047.JPG</a></li> </ol>	

<b>Location:</b> Interview/Call with St. Clair County Co-Permittee Consultant		<b>Contains CBI:</b> No	
<b>Observation #:</b> DM1-OB-009		<b>Date:</b> 07/27/2022	
<p>On July 27, 2022, I arranged for a close out conference call for 1pm with the City, Illinois EPA, St. Clair County representatives, and representatives of Gonzalez Companies, LLC (St. Clair County Co-permittee group consultant). However, the City Public Works representatives were still occupied with flood emergencies and could not attend. During the call, Gonzalez Companies LLC representative Tony Schenk clarified his company's role in supporting St. Clair County's Co-permittee MS4 permit implementation efforts. In general, Gonzalez Companies LLC provides the member communities with technical support and assistance in implementing the various MS4 program responsibilities. However, the cities are responsible for implementing most program requirements. The company helps to prepare the annual reports required under the MS4 permit and can also conduct sampling tasks. Tony Schenk believed they could prepare an MS4 general permit NOI for the City of Cahokia Heights within 30 days, assuming the City is willing to coordinate efforts in a timely fashion. We concluded the call and then I contacted Keith Nolden (City Assistant Director of Public Works) to reschedule the MS4 inspection close out conference for 9am the next morning (Thursday, July 28, 2022).</p>			

**SECTION III – AREAS OF CONCERN**

Areas of Concern may not be in sequential order. The presentation of areas of concern does not constitute a formal compliance determination or violation.

<b>Location:</b> Opening Conference	<b>Area:</b> Permitting
<b>DM1-OC-FD</b>	
The Director said the City has not submitted an NOI for Illinois MS4 General Permit ILR40. The City has not developed any of the storm water management programs required under GP ILR40.	<b>Citations:</b> Illinois EPA GP ILR40; 40 CFR § 122.32(a)(1)
<b>Location:</b> Interview	<b>Area:</b> Review of Illinois General MS4 Permit Minimum Control Measures
<b>DM1-OB-002</b>	
The City is not implementing any of the Illinois EPA GP ILR40 MS4 Minimum Control Measure requirements.	<b>Citations:</b> Illinois EPA GP ILR40; 40 CFR § 122.32(a)(1); 40 CFR § 122.33

<p><b>Location:</b> Public Works Facility, 726 S. 50th Street, Cahokia Heights</p>	<p><b>Area:</b> Pollution Prevention/Good Housekeeping for Municipal Operations</p>
<p><b>DM1-OB-005</b></p>	
<p>I observed two damaged, uncapped, and nearly filled drums in the new fuel storage area (see Photo Log image CCHM011). Public Works Assistant Director Tom Hill dipped the drums and noted that the liquid appeared to be waste oil.</p>	<p><b>Citations:</b> Illinois EPA GP ILR40; 40 CFR § 122.33</p>
<p>I observed two uncovered dumpsters filled with debris in northeast portion of the yard (see Photo Log images CCHM007 and CCHM008).</p>	
<p>Inspector Rogers noted that they may want to consider shredding or covering tires while temporarily stored onsite to minimize potential insect breeding.</p>	
<p>I observed a corrugated metal pipe inlet in front of the salt storage structure (see Photo Log image CCHM004). The salt storage structure was covered, but the front of the structure was exposed and salt debris was observed with the inlet of the corrugated metal pipe. The pipe led to a ditch running along the southwest boundary of the facility. I observed the outlet of the metal corrugated pipe and noticed white staining and debris on the gravel at the outlet and leading into and along the ditch (see Photo Log image CCHM002).</p> <p>The ditch continued southeast toward the rear of the facility and I-255. The white staining and debris continued along the ditch (see Photo Log image CCHM003).</p>	
<p>We observed staining on the gravel ground beneath a parked public works truck. At the time of the inspection there was a pan underneath the truck collecting oil dripping from the rear of the vehicle (see Photo Log image CCHM001).</p>	

<b>Location:</b> Stormwater Observations	<b>Area:</b> N. 82nd Street, Cahokia Heights
<b>DM1-OB-006</b>	
On July 26, 2022, I observed a sanitary sewer overflow (SSO) from sewer cleanout along N. 82nd Street. The SSO discharges into a roadside ditch (see Photo Log image CCWW0055) that discharged to a ditch that flowed through the backyards of a several homes and then into Canal #1 (see Photo Log image CHWW0047).	<b>Citations:</b> Section 301(a) of the Clean Water Act, 33 U.S.C. Section 1311(a)
<b>Location:</b> Stormwater Observations	<b>Area:</b> 73rd Street, Cahokia Heights
<b>DM1-OB-007</b>	
On July 26, 2022, I observed a surcharging sanitary sewer manhole (see Photo Log image CHWW0030) on 73rd Street in Cahokia Heights. The roadside ditches along the street were completely inundated with floodwater, along with sanitary sewage discharging from the manhole.	<b>Citations:</b> Section 301(a) of the Clean Water Act, 33 U.S.C. Section 1311(a)
<b>Location:</b> Stormwater Observations	<b>Area:</b> N 82 and Belleview Ave, Cahokia Heights
<b>DM1-OB-008</b>	
On July 26, 2022, I observed inundated roadside ditches and a partially submerged lift station structure on Belleview Ave (see Photo Log CHWW0038).	<b>Citations:</b> Section 301(a) of the Clean Water Act, 33 U.S.C. Section 1311(a)

## SECTION IV – CLOSING CONFERENCE

### Closing Conference

The MS4 inspection closing conference was held via telephone on July 28, 2022, at 9am CT. The Director represented the City. I reviewed the preliminary areas of concern, including the need for MS4 permit coverage and the lack of a City municipal stormwater program. I recapped the discussion with Gonzalez Companies LLC, including the possibility of submitting an NOI for the City for the IEPA general permit for small MS4 within 30 days. I also summarized the consultant's ability to support the members of the co-permittee group, and emphasized that the City will be responsible for meeting the MS4 permit requirements. The Director had no questions, so I provided an estimated timeframe for preparing an inspection report, and concluded the close out conference.

Observations and Areas of Concern have not yet been evaluated for a formal compliance determination. No follow up items were requested by the inspector at the time of the inspection.

**Communication Log**

No additional information received by EPA after concluding the inspection on 07/28/2022.

**SECTION VII – LIST OF APPENDICES**

1. Photo Log
2. Document Log
3. Reference Documents

**APPENDIX 1: PHOTOLOG**

Staining on gravel parking lot beneath Public Works truck.	
CCHM001.JPG	
07/25/2022 02:56 PM (CT)	
Dean Maraldo	
Public Works Facility /Pollution Prevention/Good Housekeeping for Municipal Operations	
No CBI	
No PII	
Outlet of corrugated metal pipe draining salt storage area.	
CCHM002.JPG	
07/25/2022 02:58 PM (CT)	
Dean Maraldo	
Public Works Facility /Pollution Prevention/Good Housekeeping for Municipal Operations	
No CBI	
No PII	

Ditch along southwest boundary of the facility.  
 CCHM003.JPG  
 07/25/2022 02:58 PM (CT)  
 Dean Maraldo  
 Public Works Facility /Pollution Prevention/Good Housekeeping for Municipal Operations  
 No CBI  
 No PII  
 Note white staining and debris along ditch.



Front of salt storage structure and inlet of corrugated pipe.  
 CCHM004.JPG  
 07/25/2022 02:59 PM (CT)  
 Dean Maraldo  
 Public Works Facility /Pollution Prevention/Good Housekeeping for Municipal Operations  
 No CBI  
 No PII  
 Note salt observed within the corrugated metal pipe which drains to the ditch along the southwest boundary of the facility.



Debris pile in rear of facility.  
 CCHM005.JPG  
 07/25/2022 03:03 PM (CT)  
 Dean Maraldo  
 Public Works Facility /Pollution Prevention/Good housekeeping for Municipal Operations  
 No CBI  
 No PII



Ditch running along the southeast boundary.  
 CCHM006.JPG  
 07/25/2022 03:06 PM (CT)  
 Dean Maraldo  
 Public Works Facility /Pollution Prevention/Good Housekeeping for Municipal Operations  
 No CBI  
 No PII  
 View looking southeast toward rear of property and I-255, and downstream from the point we observed the corrugated metal pipe from the salt storage structure.



Debris pile and uncovered dumpster.  
 CCHM007.JPG  
 07/25/2022 03:08 PM (CT)  
 Dean Maraldo  
 Public Works Facility /Pollution Prevention/Good Housekeeping for Municipal Operations  
 No CBI  
 No PII



Uncovered dumpster.  
 CCHM008.JPG  
 07/25/2022 03:13 PM (CT)  
 Dean Maraldo  
 Public Works Facility /Pollution Prevention/Good Housekeeping for Municipal Operations  
 No CBI  
 No PII



Abandoned diesel and gas tanks.  
CCHM009.JPG  
07/25/2022 03:14 PM (CT)  
Dean Maraldo  
Public Works Facility /Pollution Prevention/Good Housekeeping for Municipal Operations  
No CBI  
No PII



New Fuel Tank Storage Area.  
CCHM010.JPG  
07/25/2022 03:14 PM (CT)  
Dean Maraldo  
Public Works Facility /Pollution Prevention/Good Housekeeping for Municipal Operations  
No CBI  
No PII  
The area is covered and contains two new above-ground fuel tanks.



New Fuel Storage Area - waste oil drums  
CCHM011.JPG  
07/25/2022 03:16 PM (CT)  
Dean Maraldo  
Public Works Facility /Pollution Prevention/Good Housekeeping for Municipal Operations  
No CBI  
No PII  
I observed two uncapped, filled, and damaged waste oil drums.



Cahokia Heights MS4

Inspection Date(s):

07/25/2022 - 07/28/2022

Surcharging sanitary sewer manhole on 73rd Street in Cahokia Heights.  
CHWW0030.JPG  
07/26/2022 07:48 AM (CT)  
Joan Rogers  
Stormwater Observations/73rd Street, Cahokia Heights  
No CBI  
No PII  
The roadside ditches along the street were completely inundated with floodwater, along with sanitary sewage discharging from the manhole.



N82nd and Belleview Ave.  
CHWW0038.JPG  
07/26/2022 08:11 AM (CT)  
Dean Maraldo  
Stormwater Observations/N 82 and Belleview Ave, Cahokia Heights  
No CBI  
No PII  
Inundated roadside ditches and a partially submerged lift station structure on Belleview Ave.



<p>Stormwater discharge to Canal #1</p>	
<p>CHWW0047.JPG</p>	
<p>07/26/2022 11:23 AM (CT)</p>	
<p>Dean Maraldo</p>	
<p>Stormwater Observations/N. 82nd Street, Cahokia Heights</p>	
<p>No CBI</p>	
<p>No PII</p>	
<p>Photo of stormwater discharge to Canal #1. Stormwater discharges through a pair of culverts under N. 80th Street. The stormwater collects from roadside ditches throughout the area, and includes discharge from a sanitary sewer overflow location on N. 82nd Street.</p>	
<p>Sanitary sewer overflow (SSO) from sewer cleanout along N. 82nd Street</p>	
<p>CHWW0055.JPG</p>	
<p>07/26/2022 02:20 PM (CT)</p>	
<p>Dean Maraldo</p>	
<p>Stormwater Observations/N. 82nd Street, Cahokia Heights</p>	
<p>No CBI</p>	<p>No PII</p>
<p>No PII</p>	<p>The SSO discharges into a roadside ditch that discharged to a ditch that flows through the back yards of a several homes and then into Canal #1 (see Photo Log image CHWW0047).</p>

**APPENDIX 2: DOCUMENT LOG (Documents included in Appendix 3)**

Document Type	Document Name	Contains CBI	Contains PII	Pages	Date Received
MS4 Permit ILR40	general-ms4-permit.pdf	No	No		07/25/2022
Communications	ILU330001_IEPA_MS4Letter_20210713.pdf	No	No	1	07/27/2022

Cahokia Heights MS4 Inspection  
July 25-28, 2022

Appendix 3 – Reference Documents



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

July 13, 2021

City of Cahokia Heights  
Mayor, Curtis McCall Jr.  
103 Main St  
Cahokia, IL 62206

Re: NPDES Phase II Storm Water Program for Municipal Separate Storm Sewer Systems  
Cahokia Heights – Madison County – ILR400673 – BOW ID#: W1190250008  
ILR40 Notification to Apply for MS4 Permit Coverage or Apply for Waiver of MS4 Coverage

Dear Mayor McCall:

The U.S. EPA has identified new and existing communities with corresponding populations from the 2010 Census and previously identified MS4 communities from the 2010 Census as potential permittees pursuant to the MS4 Storm water program. Newly identified communities or previously identified communities must either submit an NOI for Coverage under the new permit or you may apply for a waiver from this program.

Our records indicate the City of Cahokia Heights was founded on May 6, 2021 by the merger of the Villages of Cahokia, Alorton, Centreville and Centreville Township. The merged communities are identified by the U.S. Census as MS4 communities.

If your 2020 Census population is less than 10,000 population and you believe your MS4 community complies with 40 CFR 122.32 (d) or (e) for waiver eligibility please submit your request for waiver to this office by September 30, 2021. Please submit the appropriate information for any waiver request. If your community is not eligible for the waiver please submit a Notice of Intent for the NPDES Phase II Storm Water Program for MS4 by September 30, 2021. You may download the MS4 Notice of Intent from our website at:

<https://www2.illinois.gov/epa/topics/forms/water-permits/storm-water/Pages/ms4.aspx> .

Should you have any questions or comments regarding this matter, please contact Terri LeMasters at 217/782-0610 or at the above address.

Sincerely,

Brant Fleming, P.E.  
Manager Municipal Unit, Permit Section  
Division of Water Pollution Control

cc: Records, Collinsville Regional Office

2125 S. First Street, Champaign, IL 61820 (217) 278-5800  
1101 Eastport Plaza Dr., Suite 100, Collinsville, IL 62234 (618) 346-5120  
9511 Harrison Street, Des Plaines, IL 60016 (847) 294-4000  
595 S. State Street, Elgin, IL 60123 (847) 608-3131

2309 W. Main Street, Suite 116, Marion, IL 62959 (618) 993-7200  
412 SW Washington Street, Suite D, Peoria, IL 61602 (309) 671-3022  
4302 N. Main Street, Rockford, IL 61103 (815) 987-7760



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

BRUCE RAUNER, GOVERNOR

LISA BONNETT, DIRECTOR

217/782-0610

February 10, 2016

Re: General NPDES Permit ILR40 for Discharge from Small Municipal Separate Storm Sewer Systems (MS4)


Dear Permittee:

Enclosed with this letter is the reissued General NPDES Permit ILR40 for the discharge of storm water from small MS4s. Significant changes have been made in the final permit based on comments received by the Agency. Please review the final permit and make any necessary modifications to your storm water management program. The Agency has also provided a list of permit modifications and a summary of responses to comments received by the Agency.

Please note that the Agency will be reviewing the Notice of Intent (NOI) for all NOIs that have been received. If you have not submitted an NOI, you must submit a NOI within 90 days of the effective date of the permit. A separate permit coverage letter will be sent by the Agency to persons who have submitted a complete NOI after review of the NOI.

Should you have any questions or comments regarding this letter, please contact Melissa Parrott or Cathy Demeroukas of my staff at (217) 782-0610 or at the above address.

Sincerely,

  
Alan Keller, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

SAK:1602080Ibah/MS4 NOI Letter

4302 N. Main St., Rockford, IL 61103 (815) 987-7760  
595 S. State, Elgin, IL 60123 (847) 608-3131  
2125 S. First St., Champaign, IL 61820 (217) 278-5800  
2009 Mall St., Collinsville, IL 62234 (618) 346-5120

9511 Harrison St., Des Plaines, IL 60016 (847) 294-4000  
412 SW Washington St., Suite D, Peoria, IL 61602 (309) 671-3022  
2309 W. Main St., Suite 116, Marion, IL 62959 (618) 993-7200  
100 W. Randolph, Suite 10-300, Chicago, IL 60601

PLEASE PRINT ON RECYCLED PAPER

**General NPDES Permit No. ILR40**

**Illinois Environmental Protection Agency**

Division of Water Pollution Control  
1021 North Grand East  
P.O. Box 19276  
Springfield, Illinois 62794-9276

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**General NPDES Permit  
For  
Discharges from Small Municipal Separate Storm Sewer Systems**

**Expiration Date: February 28, 2021**

**Issue Date: February 10, 2016**

**Effective Date: March 1, 2016**

In compliance with the provisions of the Illinois Environmental Protection Act, the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act, the following discharges may be authorized by this permit in accordance with the conditions herein:

Discharges of only storm water from small municipal separate storm sewer systems (MS4s), as defined and limited herein. Storm water means storm water runoff, snow melt runoff, and surface runoff and drainage.

**Receiving waters:** Discharges may be authorized to any surface water of the State.

To receive authorization to discharge under this general permit, a facility operator must submit a Notice of Intent (NOI) as described in Part II of this permit to the Illinois Environmental Protection Agency (Illinois EPA). Authorization, if granted, will be by letter and include a copy of this permit.



Alan Keller, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

NPDES/Hutton/stormwater/MS4/MSFinal2-9-16.daa

CONTENTS OF GENERAL PERMIT ILR40

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PART I. COVERAGE UNDER GENERAL PERMIT ILR40

## A. Permit Area

This permit covers all areas of the State of Illinois.

## B. Eligibility

1. This permit authorizes discharges of storm water from MS4s as defined in 40 CFR 122.26 (b)(16) as designated for permit authorizations pursuant to 40 CFR 122.32.
2. This permit authorizes the following non-storm water discharges provided they have been determined not to be substantial contributors of pollutants to a particular small MS4 applying for coverage under this permit:
  - Water line and fire hydrant flushing,
  - Landscape irrigation water,
  - Rising ground waters,
  - Ground water infiltration,
  - Pumped ground water,
  - Discharges from potable water sources, (excluding wastewater discharges from water supply treatment plants)
  - Foundation drains,
  - Air conditioning condensate,
  - Irrigation water, (except for wastewater irrigation),
  - Springs,
  - Water from crawl space pumps,
  - Footing drains,
  - Storm sewer cleaning water,
  - Water from individual residential car washing,
  - Routine external building washdown which does not use detergents,
  - Flows from riparian habitats and wetlands,
  - Dechlorinated pH neutral swimming pool discharges,
  - Residual street wash water,
  - Discharges or flows from fire fighting activities
  - Dechlorinated water reservoir discharges, and
  - Pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed).
3. Any municipality covered by this general permit is also granted automatic coverage under Permit No. ILR10 for the discharge of storm water associated with construction site activities for municipal construction projects disturbing one acre or more. The permittee is granted automatic coverage 30 days after Agency receipt of a Notice of Intent to Discharge Storm Water from Construction Site Activities from the permittee. The Agency will provide public notification of the construction site activity and assign a unique permit number for each project during this period. The permittee shall comply with all the requirements of Permit ILR10 for all such construction projects.

## C. Limitations on Coverage

The following discharges are not authorized by this permit:

1. Storm water discharges that are mixed with non-storm water or storm water associated with industrial activity unless such discharges are:
  - a. In compliance with a separate NPDES permit; or
  - b. Identified by and in compliance with Part I.B.2 of this permit.
2. Storm water discharges that the Agency determines are not appropriately covered by this general permit. This determination may include discharges identified in Part 1.B.2 or that introduce new or increased pollutant loading that may be a significant contributor of pollutants to the receiving waters.
3. Storm water discharges to any receiving water specified under 35 Ill. Adm. Code 302.105(d) (6).
4. The following non-storm water discharges are prohibited by this permit: concrete and wastewater from washout of concrete (unless managed by an appropriate control), drywall compound, wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials, fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance, soaps, solvents, or detergents, toxic or hazardous substances from a spill or other release, or any other pollutant that could cause or tend to cause water pollution.
5. Discharges from dewatering activities (including discharges from dewatering of trenches and excavations) are allowable if managed by appropriate controls as specified in a project's storm water pollution prevention plan, erosion and sediment control plan, or storm water management plan.

## D. Obtaining Authorization

In order for storm water discharges from small MS4s to be authorized to discharge under this general permit, a discharger must:

1. Submit a Notice of Intent (NOI) in accordance with the requirements of Part II using an NOI form provided by the Agency (or a photocopy thereof).
2. Submit a new NOI in accordance with Part II within 30 days of a change in the operator or the addition of a new operator.
3. Unless notified by the Agency to the contrary, an MS4 owner submitting a complete NOI in accordance with the requirements of this permit will be authorized to discharge storm water from their small MS4s under the terms and conditions of this permit 30 days after the date that the NOI is received. Authorization will be by letter and include a copy of this permit. The Agency may deny coverage under this permit and require submittal of an application for an individual NPDES permit based on a review of the NOI or other information.

## PART II. NOTICE OF INTENT (NOI) REQUIREMENTS

## A. Deadlines for Notification

1. If an MS4 was automatically designated under 40 CFR 122.32(a)(1) to obtain permit coverage, then you were required to submit an NOI or apply for an individual permit by March 10, 2003.
2. If an MS4 has coverage under the previous general permit for storm water discharges from small MS4s, you must renew your permit coverage under this part. Unless previously submitted for this general permit, you must submit a new NOI within 90 days of the effective date of this reissued general permit for storm water discharges from small MS4s to renew your NPDES permit coverage. The permittee shall comply with any new provisions of this general permit within 180 days of the effective date of this permit and include modifications pursuant to the NPDES permit in its Annual Report.
3. If an MS4 is designated in writing by Illinois EPA under 40 CFR 122.32(a)(2) during the term of this general permit, then you are required to submit an NOI within 180 days of such notice.
4. MS4s are not prohibited from submitting an NOI after established deadlines for NOI submittals. If a late NOI is submitted, your authorization is only for discharges that occur after permit coverage is granted. Illinois EPA reserves the right to take appropriate enforcement actions against MS4s that have not submitted a timely NOI.

## B. Contents of Notice of Intent

Dischargers seeking coverage under this permit shall submit the Illinois MS4 NOI form. The NOI shall be signed in accordance with Standard Condition 11 of this permit and shall include all of the following information:

1. The street address, county, and the latitude and longitude of the municipal office for which the notification is submitted;

## General NPDES Permit No. ILR40

2. The name, address, and telephone number of the operator(s) filing the NOI for permit coverage and the name, address, telephone number, and email address of the person(s) responsible for implementation and compliance with the MS4 Permit; and
  3. The name and segment identification of the receiving water(s), whether any segments(s) is or are listed as impaired on the most recently approved list pursuant to Section 303(d) of the Clean Water Act or any currently applicable Total Maximum Daily Load (TMDL) or alternate water quality study, and the pollutants for which the segment(s) is or are impaired. The most recent 303(d) list may be found at <http://www.epa.state.il.us/water/water-quality/index.html>. Information regarding TMDLs may be found at <http://www.epa.state.il.us/water/tmdl/>.
  4. The following shall be provided as an attachment to the NOI:
    - a. A description of the best management practices (BMPs) to be implemented and the measurable goals for each of the storm water minimum control measures in paragraph IV. B. of this permit designed to reduce the discharge of pollutants to the maximum extent practicable;
    - b. The month and year in which you implemented any BMPs of the six minimum control measures, and the month and year in which you will start and fully implement any new minimum control measures or indicate the frequency of the action;
    - c. For existing permittees, provide adequate information or justification on any BMPs from previous NOIs that could not be implemented; and
    - d. Identification of a local qualifying program, or any partners of the program if any.
  5. For existing permittees, certification that states the permittee has implemented necessary BMPs of the six minimum control measures.
- C. All required information for the NOI shall be submitted electronically and in writing to the following addresses:
- Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Permit Section  
Post Office Box 19276  
Springfield, Illinois 62794-9276
- [epa.ms4noipermit@illinois.gov](mailto:epa.ms4noipermit@illinois.gov)

## D. Shared Responsibilities

Permittees may partner with other MS4s to develop and implement their storm water management program. Each MS4 must fill out the NOI form. MS4s may also jointly submit their individual NOI in coordination with one or more MS4s. The description of their storm water management program must clearly describe which permittees are responsible for implementing each of the control measures. Each permittee is responsible for implementation of best management practices for the Storm Water Management Program within its jurisdiction.

**PART III. SPECIAL CONDITIONS**

- A. The Permittee's discharges, alone or in combination with other sources, shall not cause or contribute to a violation of any applicable water quality standard outlined in 35 Ill. Adm. Code 302.
- B. If there is evidence indicating that the storm water discharges authorized by this permit cause, or have the reasonable potential to cause or contribute to a violation of water quality standards, you may be required to obtain an individual permit or an alternative general permit or the permit may be modified to include different limitations and/or requirements.
- C. If a TMDL allocation or watershed management plan is approved for any water body into which you discharge, you must review your storm water management program to determine whether the TMDL or watershed management plan includes requirements for control of storm water discharges. If you are not meeting the TMDL allocations, you must modify your storm water management program to implement the TMDL or watershed management plan within eighteen months of notification by the Agency of the TMDL or watershed management plan approval. Where a TMDL or watershed management plan is approved, the permittee must:
  1. Determine whether the approved TMDL is for a pollutant likely to be found in storm water discharges from your MS4.
  2. Determine whether the TMDL includes a pollutant waste load allocation (WLA) or other performance requirements specifically for storm water discharge from your MS4.
  3. Determine whether the TMDL addresses a flow regime likely to occur during periods of storm water discharge.
  4. After the determinations above have been made and if it is found that your MS4 must implement specific WLA provisions of the TMDL, assess whether the WLAs are being met through implementation of existing storm water control measures or if additional control measures are necessary.

## General NPDES Permit No. ILR40

5. Document all control measures currently being implemented or planned to be implemented to comply with TMDL waste load allocation(s). Also include a schedule of implementation for all planned controls. Document the calculations or other evidence that shows that the WLA will be met.
  6. Describe and implement a monitoring program to determine whether the storm water controls are adequate to meet the WLA.
  7. If the evaluation shows that additional or modified controls are necessary, describe the type and schedule for the control additions/revisions.
  8. Continue requirements 4 through 7 above until monitoring from two continuous NPDES permit cycles demonstrate that the WLAs or water quality standards are being met.
  9. If an additional individual permit or alternative general permit includes implementation of work pursuant to an approved TMDL or alternate water quality management plan, the provisions of the individual or alternative general permit shall supersede the conditions of Part III.C. TMDL information may be found at <http://www.epa.state.il.us/water/tmdl/>.
- D. If the permittee performs any deicing activities that can cause or contribute to a violation of an applicable State chloride water quality standard, the permittee must participate in any watershed group(s) organized to implement control measures which will reduce the chloride concentration in any receiving stream in the watershed.
- E. **Authorization:** Owners or operators must submit either an NOI in accordance with the requirements of this permit or an application for an individual NPDES Permit to be authorized to discharge under this General Permit. Authorization, if granted will be by letter and include a copy of this Permit. Upon review of an NOI, the Illinois EPA may deny coverage under this permit and require submittal of an application for an individual NPDES permit.
1. **Automatic Continuation of Expired General Permit:** Except as provided in III.E.2 below, when this General Permit expires the conditions of this permit shall be administratively continued until the earliest of the following:
    - a. 150 days after the new General Permit is reissued;
    - b. The Permittee submits a Notice of Termination (NOT) and that notice is approved by Illinois EPA;
    - c. The Permittee is authorized for coverage under an individual permit or the renewed or reissued General Permit;
    - d. The Permittee's application for an individual permit for a discharge or NOI for coverage under the renewed or reissued General Permit is denied by the Illinois EPA; or
    - e. Illinois EPA issues a formal permit decision not to renew or reissue this General Permit. This General Permit shall be automatically administratively continued after such formal permit decision.
  2. **Duty to Reapply:**
    - a. If the permittee wishes to continue an activity regulated by this General Permit, the permittee must apply for permit coverage before the expiration of the administratively continued period specified in III.E.1 above.
    - b. If the permittee reapplies in accordance with the provisions of III.E.2.a above, the conditions of this General Permit shall continue in full force and effect under the provisions of 5 ILCS 100/10-65 until the Illinois EPA makes a final determination on the application or NOI.
    - c. Standard Condition 2 of Attachment H is not applicable to this General Permit.
- F. The Agency may require any person authorized to discharge by this permit to apply for and obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the Agency to take action under this paragraph. The Agency may require any owner or operator authorized to discharge under this permit to apply for an individual or alternative general NPDES permit only if the owner or operator has been notified in writing that a permit application is required. This notice shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for the owner or operator to file the application, and a statement that on the effective date of the individual NPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit shall automatically terminate. The Agency may grant additional time to submit the application upon request of the applicant. If an owner or operator fails to submit in a timely manner an individual or alternative general NPDES permit application required by the Agency under this paragraph, then the applicability of this permit to the individual or alternative general NPDES permittee is automatically terminated by the date specified for application submittal.
- G. Any owner or operator authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. The owner or operator shall submit an individual application with reasons supporting the request, in accordance with the requirements of 40 CFR 122.28, to the Agency. The request will be granted by issuing an individual permit or an alternative general permit if the reasons cited by the owner are adequate to support the request.

- H. When an individual NPDES permit is issued to an owner or operator otherwise subject to this permit, or the owner or operator is approved for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the issue date of the individual permit or the date of approval for coverage under the alternative general permit, whichever the case may be.

#### PART IV. STORM WATER MANAGEMENT PROGRAMS

##### A. Requirements

The permittee must develop, implement, and enforce a storm water management program designed to reduce the discharge of pollutants from their MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act. The permittee's storm water management program must include the minimum control measures described in section B of this Part. For new permittees, the permittee must develop and implement specific program requirements by the date specified in the Agency's coverage letter. The U.S. Environmental Protection Agency's National Menu of Storm Water Best Management Practices (<http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm>) and the most recent version of the Illinois Urban Manual should be consulted regarding the selection of appropriate BMPs.

##### B. Minimum Control Measures

The 6 minimum control measures to be included in the permittee's storm water management program are:

###### 1. Public Education and Outreach on Storm Water Impacts

New permittees shall develop and implement elements of their storm water management program addressing the provisions listed below. Existing permittees renewing coverage under this permit shall maintain their current programs addressing this Minimum Control Measure, updating and enhancing their storm water management programs as necessary to comply with the terms of this section.

- a. Distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff. The educational materials shall include information on the potential impacts and effects on storm water discharge due to climate change. Information on climate change can be found at <http://epa.gov/climatechange/>. The permittee shall incorporate the following into its education materials, at a minimum:
  - i. Information on effective pollution prevention measures to minimize the discharge of pollutants from private property and activities into the storm sewer system, on the following topics:
    - A. Storage and disposal of fuels, oils and similar materials used in the operation of or leaking from, vehicles and other equipment;
    - B. Use of soaps, solvents or detergents used in the outdoor washing of vehicles, furniture and other property,
    - C. Paint and related décor;
    - D. Lawn and garden care; and
    - E. Winter de-icing material storage and use.
  - ii. Information about green infrastructure strategies such as green roofs, rain gardens, rain barrels, bioswales, permeable piping, dry wells, and permeable pavement that mimic natural processes and direct storm water to areas where it can be infiltrated, evaporated or reused.
  - iii. Information on the benefits and costs of such strategies and provide guidance to the public on how to implement them.
- b. Define appropriate BMPs for this minimum control measure and measurable goals for each BMP. These measurable goals must ensure the reduction of all of the pollutants of concern in the permittee's storm water discharges to the maximum extent practicable; and
- c. Provide an annual evaluation of public education and outreach BMPs and measurable goals. Report on this evaluation in the Annual Report pursuant to Part V.C.1.

###### 2. Public Involvement/Participation

New permittees shall develop and implement elements of their storm water management program addressing the provisions listed below. Existing permittees renewing coverage under this permit shall maintain their current programs addressing this Minimum Control Measure, updating and enhancing their storm water management programs as necessary to comply with the terms of this section.

- a. At a minimum, comply with State and local public notice requirements when implementing a public involvement/participation program;
- b. Define appropriate BMPs for this minimum control measure and measurable goals for each BMP, which must ensure the reduction of all of the pollutants of concern in the permittee's storm water discharges to the maximum extent practicable;

## General NPDES Permit No. ILR40

- c. Provide a minimum of one public meeting annually for the public to provide input as to the adequacy of the permittee's MS4 program. This requirement may be met in conjunction with or as part of a regular council or board meeting;
- d. The permittee shall identify environmental justice areas within its jurisdiction and include appropriate public involvement/participation. Information on environmental justice concerns may be found at <http://www.epa.gov/environmentaljustice/>. This requirement may be met in conjunction with or as part of a regular council or board meeting; and
- e. Provide an annual evaluation of public involvement/participation BMPs and measurable goals. Report on this evaluation in the Annual Report pursuant to Part V.C.1.

### 3. Illicit Discharge Detection and Elimination

New permittees shall develop and implement elements of their storm water management program addressing the provisions listed below. Existing permittees renewing coverage under this permit shall maintain their current programs addressing this Minimum Control Measure, updating and enhancing their storm water management programs as necessary to comply with the terms of this section.

- a. Develop, implement, and enforce a program to detect and eliminate illicit connections or discharges into the permittee's small MS4;
- b. Develop, if not already completed, a storm sewer system map, showing the location of all outfalls and the names and location of all waters that receive discharges from those outfalls. Existing permittees renewing coverage under this permit shall update their storm sewer system map to include any modifications to the sewer system;
- c. To the extent allowable under state or local law, prohibit, through ordinance, or other regulatory mechanism, non-storm water discharges into the permittee's storm sewer system and implement appropriate enforcement procedures and actions, including enforceable requirements for the prompt reporting to the MS4 of all releases, spills and other unpermitted discharges to the separate storm sewer system, and a program to respond to such reports in a timely manner;
- d. Develop and implement a plan to detect and address non-storm water discharges, including illegal dumping, to the system;
- e. Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste and the requirements and mechanisms for reporting such discharges;
- f. Address the categories of non-storm water discharges listed in Section I.B.2 only if you identify them as significant contributor of pollutants to your small MS4 (discharges or flows from firefighting activities are excluded from the effective prohibition against non-storm water and need only be addressed where they are identified as significant sources of pollutants to waters of the United States);
- g. Define appropriate BMPs for this minimum control measure and measurable goals for each BMP. These measurable goals must ensure the reduction of all of the pollutants of concern in your storm water discharges to the maximum extent practicable;
- h. Conduct periodic inspections of the storm sewer outfalls in dry weather conditions for detection of non-storm water discharges and illegal dumping. The permittee may establish a prioritization plan for inspection of outfalls, placing priority on outfalls with the greatest potential for non-storm water discharges. Major/high priority outfalls shall be inspected at least annually; and
- i. Provide an annual evaluation of illicit discharge detection and elimination BMPs and measurable goals. Report on this evaluation in the Annual Report pursuant to Part V.C.1.

### 4. Construction Site Storm Water Runoff Control

New permittees shall develop and implement elements of their storm water management program addressing the provisions listed below. Existing permittees renewing coverage under this permit shall maintain their current programs addressing this Minimum Control Measure, updating and enhancing their storm water management programs as necessary to comply with the terms of this section.

- a. Develop, implement, and enforce a program to reduce pollutants in any storm water runoff to the permittee's small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Control of storm water discharges from construction activity disturbing less than one acre must be included in your program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more or has been designated by the permitting authority.

At a minimum, the permittee must develop and implement the following:

**General NPDES Permit No. ILR40**

- i. An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under state or local law;
  - ii. Erosion and Sediment Controls - The permittee shall ensure that construction activities regulated by the storm water program require the construction site owner/operator to design, install, and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants. At a minimum, such controls must be designed, installed, and maintained to:
    - A. Control storm water volume and velocity within the site to minimize soil erosion;
    - B. Control storm water discharges, including both peak flow rates and total storm water volume, to minimize erosion at outlets and to minimize downstream channel and stream bank erosion;
    - C. Minimize the amount of soil exposed during construction activity;
    - D. Minimize the disturbance of steep slopes;
    - E. Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting storm water runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;
    - F. Provide and maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal, and maximize storm water infiltration, unless infeasible; and
    - G. Minimize soil compaction and preserve topsoil, unless infeasible.
  - iii. Requirements for construction site operators to control or prohibit non-storm water discharges that would include concrete and wastewater from washout of concrete (unless managed by an appropriate control), drywall compound, wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials, fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance, soaps, solvents, or detergents, toxic or hazardous substances from a spill or other release, or any other pollutant that could cause or tend to cause water pollution;
  - iv. Require all regulated construction sites to have a storm water pollution prevention plan that meets the requirements of Part IV of NPDES permit No. ILR10, including management practices, controls, and other provisions at least as protective as the requirements contained in the Illinois Urban Manual, 2014, or as amended including green infrastructure techniques where appropriate and practicable;
  - v. Procedures for site plan reviews which incorporate consideration of potential water quality impacts and site plan review of individual pre-construction site plans by the permittee to ensure consistency with local sediment and erosion control requirements;
  - vi. Procedures for receipt and consideration of information submitted by the public; and
  - vii. Site inspections and enforcement of ordinance provisions.
- b. Define appropriate BMPs for this minimum control measure and measurable goals for each BMP. These measurable goals must ensure the reduction of all of the pollutants of concern in your storm water discharges to the maximum extent practicable.
  - c. Provide an annual evaluation of construction site storm water control BMPs and measurable goals in the Annual Report pursuant to Part V.C.1.
5. **Post-Construction Storm Water Management in New Development and Redevelopment**

New permittees shall develop and implement elements of their storm water management program addressing the provisions listed below. Existing permittees renewing coverage under this permit shall maintain their current programs addressing this Minimum Control Measure, updating and enhancing their storm water management programs, as necessary, to comply with the terms of this section.

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- a. Develop, implement, and enforce a program to address and minimize the volume and pollutant load of storm water runoff from projects for new development and redevelopment that disturb greater than or equal to one acre, projects less than one acre that are part of a larger common plan of development or sale or that have been designated to protect water quality, that discharge into the permittee's small MS4 within the MS4's jurisdictional control. The permittee's program must ensure that appropriate controls are in place that would protect water quality and reduce the discharge of pollutants to the maximum extent practicable. In addition, each permittee shall adopt strategies that incorporate the infiltration, reuse, and evapotranspiration of storm water into the project to the maximum extent practicable. The permittee shall also develop and implement procedures for receipt and consideration of information submitted by the public.
- b. Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for all projects within the permittee's jurisdiction for all new development and redevelopment that disturb greater than or equal to 1 acre (at a minimum) that will reduce the discharge of pollutants and the volume and velocity of storm water flow to the maximum extent practicable. These strategies shall include effective water quality and watershed protection elements and shall be amenable to modification due to climate change. Information on climate change can be found at <http://www.epa.gov/climatechange/>. When selecting BMPs to comply with requirements contained in this Part, the permittee shall adopt one or more of the following general strategies, listed in order of preference below. The proposal of a strategy shall include a rationale for not selecting an approach from among those with a higher preference.
  - i. Preservation of the natural features of development sites, including natural storage and infiltration characteristics;
  - ii. Preservation of existing natural streams, channels, and drainage ways;
  - iii. Minimization of new impervious surfaces;
  - iv. Conveyance of storm water in open vegetated channels;
  - v. Construction of structures that provide both quantity and quality control, with structures serving multiple sites being preferable to those serving individual sites; and
  - vi. Construction of structures that provide only quantity control, with structures serving multiple sites being preferable to those serving individual sites.
- c. If a permittee requires new or additional approval of any development, redevelopment, linear project construction, replacement or repair on existing developed sites, or other land disturbing activity covered under this Part, the permittee shall require the person responsible for that activity to develop a long term operation and maintenance plan including the adoption of one or more of the strategies identified in Part IV.B.5.b. of this permit.
- d. Develop and implement a program to minimize the volume of storm water runoff and pollutants from public highways, streets, roads, parking lots, and sidewalks (public surfaces) through the use of BMPs that alone or in combination result in physical, chemical, or biological pollutant load reduction, increased infiltration, evapotranspiration, and reuse of storm water. The program shall include, but not be limited to the following elements:
  - i. Annual Training for all MS4 employees who manage or are directly involved in (or who retain others who manage or are directly involved in) the routine maintenance, repair, or replacement of public surfaces in current green infrastructure or low impact design techniques applicable to such projects; and
  - ii. Annual Training for all contractors retained to manage or carry out routine maintenance, repair, or replacement of public surfaces in current green infrastructure or low impact design techniques applicable to such projects. Contractors may provide training to their employees for projects which include green infrastructure or low impact design techniques.
- e. Develop and implement a program to minimize the volume of storm water runoff and pollutants from existing privately owned developed property that contributes storm water to the MS4 within the MS4 jurisdictional control. Such program must be documented and may contain the following elements:
  - i. Source Identification – Establish an inventory of storm water and pollutants discharged to the MS4;
  - ii. Implementation of appropriate BMPs to accomplish the following:
    - A. Education on green infrastructure BMPs;
    - B. Evaluation of existing flood control techniques to determine the feasibility of pollution control retrofits;
    - C. Evaluation of existing flood control techniques to determine potential impacts and effects due to climate change;
    - D. Implementation of additional controls for special events expected to generate significant pollution (fairs, parades, performances);
    - E. Implementation of appropriate maintenance programs, (including maintenance agreements, for structural pollution control devices or systems);
    - F. Management of pesticides and fertilizers; and
    - G. Street cleaning in targeted areas.

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- f. Infiltration practices should not be implemented in any of the following circumstances:
- i. Areas/sites where vehicle fueling and/or maintenance occur;
  - ii. Areas/sites with shallow bedrock which allow movement of pollutants into the groundwater;
  - iii. Areas/sites near Karst features;
  - iv. Areas/sites where contaminants in soil or groundwater could be mobilized by infiltration of storm water;
  - v. Areas/sites within a delineated source water protection area for a public drinking water supply where the potential for an introduction of pollutants into the groundwater exists. Information on groundwater protection may be found at:  
<http://www.epa.state.il.us/water/groundwater/index.html>
  - vi. Areas/sites within 400 feet of a community water supply well if there is not a wellhead protection delineation area or within 200 feet of a private water supply well. Information on wellhead protection may be found at :  
<http://www.epa.state.il.us/water/groundwater/index.html>
- g. Develop and implement an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects, public surfaces, and existing developed property as set forth above to the extent allowable under state or local law.
- h. Require all regulated construction sites to have post-construction management plans that meet or exceed the requirements of Part IV.D.2.h of NPDES permit No. ILR10 including management practices, controls, and other provisions at least as protective as the requirements contained in the most recent version of the Illinois Urban Manual, 2014.
- i. Ensure adequate long-term operation and maintenance of BMPs.
- j. Define appropriate BMPs for this minimum control measure and measurable goals for each BMP. These measurable goals must ensure the reduction of all of the pollutants of concern in your storm water discharges to the maximum extent practicable.
- k. Within 3 years of the effective date of the permit, the permittee must develop and implement a process to assess the water quality impacts in the design of all new and existing flood management projects that are associated with the permittee or that discharge to the MS4. This process must include consideration of controls that can be used to minimize the impacts to site water quality and hydrology while still meeting the project objectives. This will also include assessment of any potential impacts and effects on flood management projects due to climate change.
- l. Provide an annual evaluation of post-construction storm water management BMPs and measureable goals in the Annual Report pursuant to Part V.C.1 .

#### 6. Pollution Prevention/Good Housekeeping for Municipal Operations

New permittees shall develop and implement elements of their storm water management program addressing the provisions listed below. Existing permittees renewing coverage under this permit shall maintain their current programs addressing this Minimum Control Measure, updating and enhancing their storm water management programs as necessary to comply with the terms of this section.

- a. Develop and implement an operation and maintenance program that includes an annual training component for municipal staff and contractors and is designed to prevent and reduce the discharge of pollutants to the maximum extent practicable.
- b. Pollution Prevention- The permittee shall design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants from municipal properties, infrastructure, and operations. At a minimum, such measures must be designed, installed, implemented and maintained to:
  - i. Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;
  - ii. Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, chemical storage tanks, deicing material storage facilities and temporary stockpiles, detergents, sanitary waste, and other materials present on the site to precipitation and to storm water;
  - iii. Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures; and

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- iv. Provide regular inspection of municipal storm water management BMPs. Based on inspection findings, the permittee shall determine if repair, replacement, or maintenance measures are necessary in order to ensure the structural integrity, proper function, and treatment effectiveness of structural storm water BMPs. Necessary maintenance shall be completed as soon as conditions allow to prevent or reduce the discharge of pollutants to storm water.
- c. Deicing material must be stored in a permanent or temporary storage structure or seasonal tarping must be utilized. If no permanent structures are owned or operated by the Permittee, new permanent deicing material storage structures shall be constructed within two years of the effective date of this permit. Storage structures or stockpiles shall be located and managed to minimize storm water pollutant runoff from the stockpiles or loading/unloading areas of the stockpiles. Stockpiles and loading/unloading areas should be located as far as practicable from any area storm sewer drains. Fertilizer, pesticides, or other chemicals shall be stored indoors to prevent any discharge of such chemicals within the storm water runoff.
- d. Using training materials that are available from USEPA, the State of Illinois, or other organizations, the permittee's program must include annual employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, operation of storage yards, snow disposal, deicing material storage handling and use on roadways, new construction and land disturbances, and storm water system maintenance procedures for proper disposal of street cleaning debris and catch basin material. In addition, training should include how flood management projects impact water quality, non-point source pollution control, green infrastructure controls, and aquatic habitat.
- e. Define appropriate BMPs for this minimum control measure and measurable goals for each BMP. These measurable goals must ensure the reduction of all of the pollutants of concern in your storm water discharges to the maximum extent practicable.
- f. Provide an annual evaluation of pollution prevention/good housekeeping for municipal operations and measurable goals in the Annual Report pursuant to Part V.C.1.

#### C. Qualifying State, County, or Local Program

If an existing qualifying local program requires a permittee to implement one or more of the minimum control measures of Part IV. B. above, the permittee may follow that qualifying program's requirements rather than the requirements of Part IV.B. above. A qualifying local program is a local, county, or state municipal storm water management program that imposes, at a minimum, the relevant requirements of Part IV. B. Any qualifying local programs that permittees intend to follow shall be specified in their storm water management program.

#### D. Sharing Responsibility

1. Implementation of one or more of the minimum control measures may be shared with another entity, or the entity may fully take over the control measure. A permittee may rely on another entity only if:
  - a. The other entity implements the control measure;
  - b. The particular control measure, or component of that measure is at least as stringent as the corresponding permit requirement;
  - c. The other entity agrees to implement any minimum control measure on the permittee's behalf. A written agreement of this obligation is recommended. This obligation must be maintained as part of the description of the permittee's Storm Water Management Program. If the other entity agrees to report on the minimum control measure, the permittee must supply the other entity with the reporting requirements contained in Part V.C of this permit. If the other entity fails to implement the minimum control measure on the permittee's behalf, then the permittee remains liable for any discharges due to that failure to implement the minimum control measure.

#### E. Reviewing and Updating Storm Water Management Programs

1. Storm Water Management Program Review- The permittee must perform an annual review of its Storm Water Management Program in conjunction with preparation of the annual report required under Part V.C. The permittee must include in its annual report a plan for complying with any changes or new provisions in this permit, or in any State or federal regulations. The permittee must also include in its annual report a plan for complying with all applicable TMDL Report(s) or watershed management plan(s). Information on TMDLs may be found at:

<http://www.epa.state.il.us/water/tmdl/>.

2. Storm Water Management Program Update - The permittee may modify its Storm Water Management Program during the life of the permit in accordance with the following procedures:
  - a. Modifications adding (but not subtracting or replacing) components, controls, or requirements to the Storm Water Management Program may be made at any time upon written notification to the Agency;

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- b. Modifications replacing an ineffective or infeasible BMP specifically identified in the Storm Water Management Program with an alternate BMP may be requested at any time. Unless denied by the Agency, modifications proposed in accordance with the criteria below shall be deemed approved and may be implemented 60 days from submittal of the request. If the request is denied, the Agency will send the permittee a written response giving a reason for the decision. The permittee's modification requests must include the following:
    - i. An analysis of why the BMP is ineffective or infeasible (including cost prohibitive);
    - ii. Expectations on the effectiveness of the replacement BMP; and
    - iii. An analysis of why the replacement BMP is expected to achieve the goals of the BMP to be replaced.
  - c. Modification of any ordinances relative to the storm water management program, provided the updated ordinance is at least as stringent as the provisions stipulated in this permit; and
  - d. Modification requests or notifications must be made in writing and signed in accordance with Standard Condition II of Attachment H.
3. Storm Water Management Program Updates Required by the Agency. Modifications requested by the Agency must be made in writing, set forth the time schedule for permittees to develop the modifications, and offer permittees the opportunity to propose alternative program modifications to meet the objective of the requested modification. All modifications required by the Permitting Authority will be made in accordance with 40 CFR 124.5, 40 CFR 122.62, or as appropriate 40 CFR 122.63. The Agency may require modifications to the Storm Water Management Program as needed to:
- a. Address impacts on receiving water quality caused, or contributed to, by discharges from the MS4;
  - b. Include more stringent requirements necessary to comply with new federal or State statutory or regulatory requirements; or
  - c. Include such other conditions deemed necessary by the Agency to comply with the goals and requirements of the Clean Water Act.

### PART V. MONITORING, RECORDKEEPING, AND REPORTING

#### A. Monitoring

The permittee must develop and implement a monitoring and assessment program to evaluate the effectiveness of the BMPs being implemented to reduce pollutant loadings and water quality impacts within 180 days of the effective date of this permit. The program should be tailored to the size and characteristics of the MS4 and the watershed. The permittee shall provide a justification of its monitoring and assessment program in the Annual Report. By not later than 180 days after the effective date of this permit, the permittee shall initiate an evaluation of its storm water program. The plan for monitoring/evaluation shall be described in the Annual Report. Evaluation and/or monitoring results shall be provided in the Annual Report. The monitoring and assessment program may include evaluation of BMPs and/or direct water quality monitoring as follows:

1. An evaluation of BMPs based on estimated effectiveness from published research accompanied by an inventory of the number and location of BMPs implemented as part of the permittee's program and an estimate of pollutant reduction resulting from the BMPs, or
2. Monitoring the effectiveness of storm water control measures and progress towards the MS4's goals using one or more of the following:
  - a. MS4 permittees serving a population of less than 25,000 may conduct visual observations of the storm water discharge documenting color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, or other obvious indicators of storm water pollution; or
  - b. MS4 permittees may evaluate storm water quality and impacts using one or more of the following methods:
    - i. Instream monitoring in the highest level hydrological unit code segment in the MS4 area. Monitoring shall include, at a minimum, quarterly monitoring of receiving waters upstream and downstream of the MS4 discharges in the designated stream(s).
    - ii. Measuring pollutant concentrations over time.
    - iii. Sediment monitoring.
    - iv. Short-term extensive network monitoring. Short-term sampling at the outlets of numerous drainage areas to identify water quality issues and potential storm water impacts, and may help in ranking areas for implementation priority. Data collected simultaneously across the MS4 to help characterize the geographical distribution of pollutant sources.

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- v. Site-specific monitoring. High-value resources such as swimming beaches, shellfish beds, or high-priority habitats could warrant specific monitoring to assess the status of use support. Similarly, known high-priority pollutant sources or impaired water bodies with contaminated aquatic sediments, an eroding stream channel threatening property, or a stream reach with a degraded fish population could be monitored to assess impacts of storm water discharges and/or to identify improvements that result from the implementation of BMPs.
  - vi. Assessing physical/habitat characteristics such as stream bank erosion caused by storm water discharges.
  - vii. Outfall/Discharge monitoring.
  - viii. Sewershed-focused monitoring. Monitor for pollutants in storm water produced in different areas of the MS4. For example, identify which pollutants are present in storm water from industrial areas, commercial areas, and residential areas.
  - ix. BMP performance monitoring. Monitoring of individual BMP performance to provide a direct measure of the pollutant reduction efficiency of these key components of a MS4 program.
  - x. Collaborative watershed-scale monitoring. The permittee may choose to work collaboratively with other permittees and/or a watershed group to design and implement a watershed or sub-watershed-scale monitoring program that assesses the water quality of the water bodies and the sources of pollutants. Such programs must include elements which assess the impacts of the permittee's storm water discharges and/or the effectiveness of the BMPs being implemented.
- c. If ambient water quality monitoring under 2b above is performed, the monitoring of storm water discharges and ambient monitoring intended to gauge storm water impacts shall be performed within 48 hours of a precipitation event greater than or equal to one quarter inch in a 24-hour period. At a minimum, analysis of storm water discharges or ambient water quality shall include the following parameters: total suspended solids, total nitrogen, total phosphorous, fecal coliform, chlorides, and oil and grease. In addition, monitoring shall be performed for any other pollutants associated with storm water runoff for which the receiving water is considered impaired pursuant to the most recently approved list under Section 303(d) of the Clean Water Act.

## B. Recordkeeping

The permittee must keep records required by this permit for 5 years after the expiration of this permit. Records to be kept under this Part include the permittee's NOI, storm water management plan, annual reports, and monitoring data. All records shall be kept onsite or locally available and shall be made accessible to the Agency for review at the time of an on-site inspection. Except as otherwise provided in this permit, permittees must submit records to the Agency only when specifically requested to do so. Permittees must post their NOI, storm water management program plan, and annual reports on the permittee's website. The permittee must make its records available to the public at reasonable times during regular business hours. The permittee may require a member of the public to provide advance notice, in accordance with the applicable Freedom of Information Act requirements. Storm sewer maps may be withheld for security reasons.

## C. Reporting

The permittee must submit Annual Reports to the Agency by the first day of June for each year that this permit is in effect. If the permittee maintains a website, a copy of the Annual Report shall be posted on the website by the first day of June of each year. Each Report shall cover the period from March of the previous year through March of the current year. Annual Reports shall be maintained on the permittees' website for a period of 5 years. The Report must include:

1. An assessment of the appropriateness and effectiveness of the permittee's identified BMPs and progress towards achieving the statutory goal of reducing the discharge of pollutants to the maximum extent practicable (MEP), and the permittee's identified measurable goals for each of the minimum control measures;
2. The status of compliance with permit conditions, including a description of each incidence of non-compliance with the permit, and the permittee's plan for achieving compliance with a timeline of actions taken or to be taken;
3. Results of information collected and analyzed, including monitoring data, if any, during the reporting period;
4. A summary of the storm water activities the permittee plans to undertake during the next reporting cycle, including an implementation schedule;
5. A change in any identified BMPs or measurable goals that apply to the program elements;
6. Notice that the permittee is relying on another government entity to satisfy some of the permit obligations (if applicable);
7. Provide an updated summary of any BMP or adaptive management strategy constructed or implemented pursuant to any approved TMDL or alternate water quality management study. Use the results of your monitoring program to assess whether the WLA or other performance requirements for storm water discharges from your MS4 are being met; and

8. If a qualifying local program or programs with shared responsibilities is implementing all minimum control measures on behalf of one or more entities, then the local qualifying program or programs with shared responsibilities may submit a report on behalf of itself and any entities for which it is implementing all of the minimum control measures.

The Annual Reports shall be submitted to the following office and email addresses:

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

[epa.ms4annualinsp@illinois.gov](mailto:epa.ms4annualinsp@illinois.gov)

#### **PART VI. DEFINITIONS AND ACRONYMS**

All definitions contained in Section 502 of the Clean Water Act, 40 CFR 122, and 35 Ill. Adm. Code 309 shall apply to this permit and are incorporated herein by reference. For convenience, simplified explanations of some regulatory/statutory definitions have been provided. In the event of a conflict, the definition found in the statute or regulation takes precedence.

**Best Management Practices (BMPs)** means structural or nonstructural controls, schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the state. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

**BMP** is an acronym for "Best Management Practices."

**CFR** is an acronym for "Code of Federal Regulations."

**Control Measure** as used in this permit refers to any Best Management Practice or other method used to prevent or reduce storm water runoff or the discharge of pollutants to waters of the State.

**CWA or The Act** means the Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub. L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483 and Pub. L. 97-117, 33 U.S.C. 1251 ET. seq.

**Discharge** when used without a qualifier, refers to discharge of a pollutant as defined at 40 CFR 122.2.

**Environmental Justice (EJ)** means the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies

**Environmental Justice Area** means a community with a low-income and/or minority population greater than twice the statewide average. In addition, a community may be considered a potential EJ community if the low-income and/or minority population is less than twice the state-wide average but greater than the statewide average and it has identified itself as an EJ community. If the low-income and/or minority population percentage is equal to or less than the statewide average, the community should not be considered a potential EJ community.

**Flood management project** means any project which is intended to control, reduce or minimize high stream flows and associated damage. This may also include projects designed to mimic or improve natural conditions in the waterway.

**Green Infrastructure** means wet weather management approaches and technologies that utilize, enhance or mimic the natural hydrologic cycle processes of infiltration, evapotranspiration and reuse. Green infrastructure approaches currently in use include green roofs, trees and tree boxes, rain gardens, vegetated swales, pocket wetlands, infiltration planters, porous and permeable pavements, porous piping systems, dry wells, vegetated median strips, reforestation/revegetation, rain barrels, cisterns, and protection and enhancement of riparian buffers and floodplains.

**Illicit Connection** means any man-made conveyance connecting an illicit discharge directly to a municipal separate storm sewer.

**Illicit Discharge** is defined at 40 CFR 122.26(b)(2) and refers to any discharge to a municipal separate storm sewer that is not composed entirely of storm water, except discharges authorized under an NPDES permit (other than the NPDES permit for discharges from the MS4) and discharges resulting from fire fighting activities.

**MEP** is an acronym for "Maximum Extent Practicable," the technology-based discharge standard for Municipal Separate Storm Sewer Systems to reduce pollutants in storm water discharges that was established by CWA Section 402(p). A discussion of MEP as it applies to small MS4s is found at 40 CFR 122.34.

**MS4** is an acronym for "Municipal Separate Storm Sewer System" and is used to refer to a Large, Medium, or Small Municipal Separate Storm Sewer System (e.g. "the Dallas MS4"). The term is used to refer to either the system operated by a single entity or a group of systems within an area that are operated by multiple entities (e.g., the Houston MS4 includes MS4s operated by the city of Houston, the Texas Department of Transportation, the Harris County Flood Control District, Harris County, and others).

**Municipal Separate Storm Sewer** is defined at 40 CFR 122.26(b)(8) and means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under Section 208 of the CWA that discharges to waters of the United States; (ii) Designed or used for collecting or conveying storm water; (iii) Which is not a combined sewer; and (iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

**NOI** is an acronym for "Notice of Intent" to be covered by this permit and is the mechanism used to "register" for coverage under a general permit.

**NPDES** is an acronym for "National Pollutant Discharge Elimination System."

**Outfall** is defined at 40 CFR 122.26(b) (9) and means a point source as defined by 40 CFR 122.2 at the point where a municipal separate storm sewer discharges to waters of the United States and does not include open conveyances connecting two municipal storm sewers, or pipes, tunnels or other conveyances which connect segments of the same stream or other waters of the United States and are used to convey waters of the United States.

**Owner or Operator** is defined at 40 CFR 122.2 and means the owner or operator of any "facility or activity" subject to regulation under the NPDES program.

**Permitting Authority** means the Illinois EPA.

**Point Source** is defined at 40 CFR 122.2 and means any discernable, confined and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

**Pollutants of Concern** means pollutants identified in a TMDL waste load allocation (WLA) or on the Section 303(d) list for the receiving water, and any of the pollutants for which water monitoring is required in Part V.A. of this permit.

**Qualifying Local Program** is defined at 40 CFR 122.34(c) and means a local, state, or Tribal municipal storm water management program that imposes, at a minimum, the relevant requirements of paragraph (b) of Section 122.34.

**Small Municipal Separate Storm Sewer System** is defined at 40 CFR 122.26(b)(16) and refers to all separate storm sewers that are owned or operated by the United States, a State [sic], city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State [sic] law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under Section 208 of the CWA that discharges to waters of the United States, but is not defined as "large" or "medium" municipal separate storm sewer system. This term includes systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewers in very discrete areas, such as individual buildings.

**Storm Water** is defined at 40 CFR 122.26(b) (13) and means storm water runoff, snowmelt runoff, and surface runoff and drainage.

**Storm Water Management Program (SWMP)** refers to a comprehensive program to manage the quality of storm water discharged from the municipal separate storm sewer system.

**SWMP** is an acronym for "Storm Water Management Program."

**TMDL** is an acronym for "Total Maximum Daily Load."

**Waters** (also referred to as waters of the state or receiving water) is defined at Section 301.440 of Title 35: Subtitle C: Chapter I of the Illinois Pollution Control Board Regulations and means all accumulations of water, surface and underground, natural, and artificial, public and private, or parts thereof, which are wholly or partially within, flow through, or border upon the State of Illinois, except that sewers and treatment works are not included except as specially mentioned; provided, that nothing herein contained shall authorize the use of natural or otherwise protected waters as sewers or treatment works except that in-stream aeration under Agency permit is allowable.

**"You" and "Your"** as used in this permit is intended to refer to the permittee, the operator, or the discharger as the context indicates and that party's responsibilities (e.g., the city, the country, the flood control district, the U.S. Air Force, etc.).

**Attachment H**

**Standard Conditions**

**Definitions**

**Act** means the Illinois Environmental Protection Act, 415 ILCS 5 as Amended.

**Agency** means the Illinois Environmental Protection Agency.

**Board** means the Illinois Pollution Control Board.

**Clean Water Act** (formerly referred to as the Federal Water Pollution Control Act) means Pub. L 92-500, as amended. 33 U.S.C. 1251 et seq.

**NPDES** (National Pollutant Discharge Elimination System) means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 402, 318 and 405 of the Clean Water Act.

**USEPA** means the United States Environmental Protection Agency.

**Daily Discharge** means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

**Maximum Daily Discharge Limitation** (daily maximum) means the highest allowable daily discharge.

**Average Monthly Discharge Limitation** (30 day average) means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

**Average Weekly Discharge Limitation** (7 day average) means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

**Best Management Practices** (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

**Aliquot** means a sample of specified volume used to make up a total composite sample.

**Grab Sample** means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

**24-Hour Composite Sample** means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period.

**8-Hour Composite Sample** means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8-hour period.

**Flow Proportional Composite Sample** means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot.

- (1) **Duty to comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirements.
- (2) **Duty to reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, this permit shall continue in full force and effect until the final Agency decision on the application has been made.
- (3) **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (4) **Duty to mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
- (5) **Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up, or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.
- (6) **Permit actions.** This permit may be modified, revoked and reissued, or terminated for cause by the Agency pursuant to 40 CFR 122.62 and 40 CFR 122.63. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- (7) **Property rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.
- (8) **Duty to provide information.** The permittee shall furnish to the Agency within a reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency upon request, copies of records required to be kept by this permit.
- (9) **Inspection and entry.** The permittee shall allow an authorized representative of the Agency or USEPA (including an authorized contractor acting as a representative of the Agency or USEPA), upon the presentation of credentials and other documents as may be required by law, to:
  - (a) Enter upon the permittee's premises where a regulated

- facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
  - (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
  - (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.
- (10) **Monitoring and records.**
- (a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
  - (b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of this permit, measurement, report or application. Records related to the permittee's sewage sludge use and disposal activities shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503). This period may be extended by request of the Agency or USEPA at any time.
  - (c) Records of monitoring information shall include:
    - (1) The date, exact place, and time of sampling or measurements;
    - (2) The individual(s) who performed the sampling or measurements;
    - (3) The date(s) analyses were performed;
    - (4) The individual(s) who performed the analyses;
    - (5) The analytical techniques or methods used; and
    - (6) The results of such analyses.
  - (d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. Where no test procedure under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.
- (11) **Signatory requirement.** All applications, reports or information submitted to the Agency shall be signed and certified.
- (a) **Application.** All permit applications shall be signed as follows:
    - (1) For a corporation: by a principal executive officer of at least the level of vice president or a person or position having overall responsibility for environmental matters for the corporation;
    - (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
    - (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.
  - (b) **Reports.** All reports required by permits, or other information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly authorized representative only if:
    - (1) The authorization is made in writing by a person described in paragraph (a); and
    - (2) The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility; and
    - (3) The written authorization is submitted to the Agency.
  - (c) **Changes of Authorization.** If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of (b) must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.
  - (d) **Certification.** Any person signing a document under paragraph (a) or (b) of this section shall make the following certification:
 

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 gather and evaluate 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.
- (12) **Reporting requirements.**
- (a) **Planned changes.** The permittee shall give notice to the Agency as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required when:
    - (1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source pursuant to 40 CFR 122.29 (b); or
    - (2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements pursuant to 40 CFR 122.42 (a)(1).
    - (3) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
  - (b) **Anticipated noncompliance.** The permittee shall give advance notice to the Agency of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
  - (c) **Transfers.** This permit is not transferable to any person except after notice to the Agency.
  - (d) **Compliance schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
  - (e) **Monitoring reports.** Monitoring results shall be reported at the intervals specified elsewhere in this permit.
    - (1) Monitoring results must be reported on a Discharge Monitoring Report (DMR).

- (2) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
- (3) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Agency in the permit.
- (f) **Twenty-four hour reporting.** The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24-hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and time; and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The following shall be included as information which must be reported within 24-hours:
- (1) Any unanticipated bypass which exceeds any effluent limitation in the permit.
  - (2) Any upset which exceeds any effluent limitation in the permit.
  - (3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Agency in the permit or any pollutant which may endanger health or the environment.  
The Agency may waive the written report on a case-by-case basis if the oral report has been received within 24-hours.
- (g) **Other noncompliance.** The permittee shall report all instances of noncompliance not reported under paragraphs (12) (d), (e), or (f), at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (12) (f).
- (h) **Other information.** Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in any report to the Agency, it shall promptly submit such facts or information.
- (13) **Bypass.**
- (a) **Definitions.**
    - (1) Bypass means the intentional diversion of waste streams from any portion of a treatment facility.
    - (2) Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
  - (b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs (13)(c) and (13)(d).
  - (c) **Notice.**
    - (1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.
    - (2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph (12)(f) (24-hour notice).
  - (d) Prohibition of bypass.
    - (1) Bypass is prohibited, and the Agency may take enforcement action against a permittee for bypass, unless:
      - (i) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
      - (ii) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
      - (iii) The permittee submitted notices as required under paragraph (13)(c).
    - (2) The Agency may approve an anticipated bypass, after considering its adverse effects, if the Agency determines that it will meet the three conditions listed above in paragraph (13)(d)(1).
- (14) **Upset.**
- (a) **Definition.** Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
  - (b) **Effect of an upset.** An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph (14)(c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
  - (c) **Conditions necessary for a demonstration of upset.** A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
    - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
    - (2) The permitted facility was at the time being properly operated; and
    - (3) The permittee submitted notice of the upset as required in paragraph (12)(f)(2) (24-hour notice).
    - (4) The permittee complied with any remedial measures required under paragraph (4).
  - (d) **Burden of proof.** In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.
- (15) **Transfer of permits.** Permits may be transferred by modification or automatic transfer as described below:
- (a) **Transfers by modification.** Except as provided in paragraph (b), a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued pursuant to 40 CFR 122.62 (b) (2), or a minor modification made pursuant to 40 CFR 122.63 (d), to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act.
  - (b) **Automatic transfers.** As an alternative to transfers under paragraph (a), any NPDES permit may be automatically transferred to a new permittee if:

- (1) The current permittee notifies the Agency at least 30 days in advance of the proposed transfer date;
  - (2) The notice includes a written agreement between the existing and new permittees containing a specified date for transfer of permit responsibility, coverage and liability between the existing and new permittees; and
  - (3) The Agency does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement.
- (16) All manufacturing, commercial, mining, and silvicultural dischargers must notify the Agency as soon as they know or have reason to believe:
- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant identified under Section 307 of the Clean Water Act which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
    - (1) One hundred micrograms per liter (100 ug/l);
    - (2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6 dinitrophenol; and one milligram per liter (1 mg/l) for antimony.
    - (3) Five (5) times the maximum concentration value reported for that pollutant in the NPDES permit application; or
    - (4) The level established by the Agency in this permit.
  - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the NPDES permit application.
- (17) All Publicly Owned Treatment Works (POTWs) must provide adequate notice to the Agency of the following:
- (a) Any new introduction of pollutants into that POTW from an indirect discharge which would be subject to Sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants; and
  - (b) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
  - (c) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.
- (18) If the permit is issued to a publicly owned or publicly regulated treatment works, the permittee shall require any industrial user of such treatment works to comply with federal requirements concerning:
- (a) User charges pursuant to Section 204 (b) of the Clean Water Act, and applicable regulations appearing in 40 CFR 35;
  - (b) Toxic pollutant effluent standards and pretreatment standards pursuant to Section 307 of the Clean Water Act; and
  - (c) Inspection, monitoring and entry pursuant to Section 308 of the Clean Water Act.
- (19) If an applicable standard or limitation is promulgated under Section 301(b)(2)(C) and (D), 304(b)(2), or 307(a)(2) and that effluent standard or limitation is more stringent than any effluent limitation in the permit, or controls a pollutant not limited in the permit, the permit shall be promptly modified or revoked, and reissued to conform to that effluent standard or limitation.
  - (20) Any authorization to construct issued to the permittee pursuant to 35 Ill. Adm. Code 309.154 is hereby incorporated by reference as a condition of this permit.
  - (21) The permittee shall not make any false statement, representation or certification in any application, record, report, plan or other document submitted to the Agency or the USEPA, or required to be maintained under this permit.
  - (22) The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed \$25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than one year, or both. Additional penalties for violating these sections of the Clean Water Act are identified in 40 CFR 122.41 (a)(2) and (3).
  - (23) The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or both.
  - (24) The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.
  - (25) Collected screening, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into waters of the State. The proper authorization for such disposal shall be obtained from the Agency and is incorporated as part hereof by reference.
  - (26) In case of conflict between these standard conditions and any other condition(s) included in this permit, the other condition(s) shall govern.
  - (27) The permittee shall comply with, in addition to the requirements of the permit, all applicable provisions of 35 Ill. Adm. Code, Subtitle C, Subtitle D, Subtitle E, and all applicable orders of the Board or any court with jurisdiction.
  - (28) The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit is held invalid, the remaining provisions of this permit shall continue in full force and effect.

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