



# 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

217/782-0610  
March 26, 2024

City of Chicago  
Department of Water Management  
1000 East Ohio Street  
Chicago, Illinois 60611

Re: City of Chicago Combined Sewer Overflows  
NPDES Permit No. IL0045012  
Bureau of Water ID: W0316000664  
Final Permit

Permittee:

Attached is the final NPDES Permit for your discharge. The Permit as issued covers discharge limitations, monitoring, and reporting requirements. Failure to meet any portion of the Permit could result in civil and/or criminal penalties. The Illinois Environmental Protection Agency is ready and willing to assist you in interpreting any of the conditions of the Permit as they relate specifically to your discharge.

The following changes were made to the publicly noticed draft permit:

1. Added 9 additional CSO outfalls (057,063,067,074,084,156,172,194,226) and 5 additional parameters (fecal coliform, total phosphorous, total nitrogen, chloride, dissolved oxygen) for monitoring and sampling on Page 2.
2. Corrected typographical errors in the Combined Sewer and Treatment Plant Discharges in Special Condition 3.
3. Reorganized Special Condition 3.
4. Special Condition 3, Paragraph 3 adds an additional requirement for the Permittee to document in writing and submit to the Illinois EPA the respective roles and responsibilities of both the Permittee and Metropolitan Water Reclamation District of Greater Chicago within nine months of the effective date of this permit.
5. Special Condition 3, Paragraph 5 adds an additional written reporting requirement, detailing the results of inspections for each outfall.
6. Special Condition 3, Paragraph 10 adds an additional requirement for the Permittee to evaluate the existing monitoring program within 24 months from the effective date of the Permit.
7. Special Condition 3, Paragraphs 11, 12, and 13 adds the development of a Nine Minimum Controls (NMC) Enhancement Plan along with related measures. Within 120 days from the effective date of the permit, the City will consult with interested stakeholders. The draft plan will be presented to the public for comments and at hearings. The plan will be developed within 18 months after the effective date of the permit with stakeholder consultation and public comments.
8. Special Condition 3, Paragraphs 14 and 15 adds an additional requirement for the Permittee to update and expand its 2014 Green Stormwater Infrastructure Strategy (Strategy). This Strategy will establish initiatives with measurable goals and outcomes through incremental measures that will reduce CSOs, prioritizing sensitive areas and environmental justice communities.
9. Special Condition 3, Paragraphs 16, 17, and 18 adds an additional requirement for the NMC Enhancement Plan shall plan for the maximization of flow to the POTW for treatment at MWRDGC plants and minimization of stormwater entering the plants, including a robust green infrastructure program across the City to enhance the effectiveness of the TARP. The NMC Enhancement Plan shall include a long-term monitoring and review program to determine the effectiveness of the O&M Plan and detect discharge violations.

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

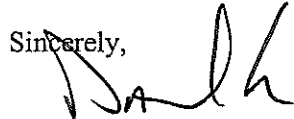
10. Special Condition 3, Paragraphs 20 and 21 adds an additional requirement for that the 10 outfalls listed be prioritized for mitigation measures to the extent practicable at those sites. Within one year of the effective date of this permit, the City will indicate which of the outfalls do not discharge into sensitive areas. The City-owned CSOs identified as most active and subject to this prioritization shall be reviewed annually and may be modified based on reported CSO discharges.
11. Special Condition 3, Paragraphs 24 and 25 adds a Solids and Floatables Program Plan in its Pollution Prevention Plan including but not limited to street sweeping, solids collection, an analysis of the number of skimmer boats required and a schedule for their use. Also, within 24 months of the effective date of this permit, the Permittee shall purchase at least 2 (two) additional skimmer boats and notify IEPA when purchased.
12. Special Condition 3, Paragraph 28 adds an additional requirement for the Permittee expand the public notification program. Within six (6) months of the effective date of this permit, the Permittee shall develop a plan for a CSO discharge notification system utilizing dynamic signs, flags, lights, or some other on-site notification system in conjunction with stakeholders. The public notification program shall be presented to the general public at two (2) city-wide public information meetings (one virtual and one in-person).
13. Special Condition 3, Paragraph 31 adds the new requirements listed in items 1-12 above in the table summary of the compliance dates.

Pursuant to the Final NPDES Electronic Reporting Rule, all permittees must report DMRs electronically unless a waiver has been granted by the Agency. The Agency utilizes NetDMR, a web based application, which allows the submittal of electronic Discharge Monitoring Reports instead of paper Discharge Monitoring Reports (DMRs). More information regarding NetDMR can be found on the Agency website, <https://epa.illinois.gov/topics/water-quality/surface-water/netdmr.html>. If your facility has received a waiver from the NetDMR program, a supply of preprinted paper DMR Forms will be sent to your facility. Additional information and instructions will accompany the preprinted DMRs. Please see the attachment regarding the electronic reporting rule.

The attached Permit is effective as of the date indicated on the first page of the Permit. Until the effective date of any re-issued Permit, the limitations and conditions of the previously-issued Permit remain in full effect. You have the right to appeal any condition of the Permit to the Illinois Pollution Control Board within a 35 day period following the issuance date

Should you have questions concerning the Permit, please contact Kaushal Desai at 217/782-0610.

Sincerely,



Darin E. LeCrone, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

BDF:KKD:24031801

Attachment: Final Permit, Responsiveness Summary

cc: Records  
Compliance Assurance Section  
Des Plaines Region  
Billing  
CMAP

NPDES Permit No. IL0045012

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date: February 28, 2029

Issue Date: March 26, 2024

Effective Date: April 1, 2024

Name and Address of Permittee:

Facility Name and Address:

City of Chicago  
Department of Water Management  
1000 East Ohio Street  
Chicago, Illinois 60611

City of Chicago Combined Sewer Overflows  
Chicago, Illinois  
(Cook County)

Receiving Waters:

North Shore Channel, North and South Branch of the Chicago River, Chicago River, Sanitary and Ship Canal, Calumet River, Des Plaines River, North Branch Canal, Collateral Canal, South Fork of South Branch Chicago River, Little Calumet River, Calumet Sag Channel

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of the Ill. Adm. Code, Subtitle C, Chapter I, and the Clean Water Act (CWA), the above-named Permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the General Conditions; Special Conditions; and Attachment H Standard Conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the Permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.



Darin E. LeCrone, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

Special Conditions

Effluent Limitations, Monitoring, and Reporting

In addition to the requirements set forth in Special Condition 3, this Permit contains a monitoring requirement for the following Combined Sewer Overflow discharges as follows:

- Discharge Number(s) and Name(s):
- 024 Forest Glen Ave (S) CSO to the North Branch Chicago River
- 057 Berteau Ave CSO to the North Branch Chicago River
- 063 Roscoe St CSO to the North Branch Chicago River
- 067 Leavitt St CSO to the North Branch Chicago River
- 074 Fullerton Ave CSO to the North Branch Chicago River
- 084 Blackhawk St CSO to the North Branch Chicago River
- 156 Union Ave CSO to the South Branch Chicago River
- 172 Oakley Ave CSO to the Sanitary and Ship Canal
- 178 Albany Ave (N) CSO to the Collateral Canal
- 194 35<sup>th</sup> Street CSO to the Bubbly Creek
- 226 Wilson Ave CSO to the Des Plaines River

Discharges from these outfalls are CSOs, subject to the requirements of this Permit.

From the effective date of this Permit, the effluent of the above discharge(s) shall be sampled, monitored and quantified at all times as follows:

Parameter		Sample Frequency	Sample Type
Total Flow (MG)*	See Below	Daily	Continuous
BOD <sub>5</sub>		Daily when Discharging	Grab
Suspended Solids		Daily when Discharging	Grab
pH		Daily when Discharging	Grab
Fecal Coliform		Daily when Discharging	Grab
Total Phosphorus (as P)		Daily when Discharging	Grab
Total Nitrogen (as N)		Daily when Discharging	Grab
Chloride		Daily when Discharging	Grab
Dissolved oxygen		Daily when Discharging	Grab

\* For Outfalls 024 and 178 only

Samples shall be representative of CSO discharge collected within 24 hours of the start of a CSO event. Sampling results shall be reported on the electronic Discharge Monitoring Report (NetDMR). Total flow in million gallons shall be reported on the NetDMR in the quantity maximum column. Report the number of days of discharge in the comments section of the NetDMR. pH shall be reported on the NetDMR as a minimum and a maximum. BOD<sub>5</sub> and Suspended Solids shall be reported on the NetDMR as a monthly average concentration. All other parameters shall be reported on the DMR as a monthly average concentration. Fecal Coliform shall be sampled and reported as conditions allow. Additional monitoring requirements are described in Special Condition 3, Paragraph No. 13.

Special Conditions

SPECIAL CONDITION 1. This Permit may be modified to include different final effluent limitations or requirements which are consistent with applicable laws, regulations, or judicial orders. The IEPA will public notice the permit modification.

SPECIAL CONDITION 2. The IEPA may request in writing submittal of operational information in a specified form and at a required frequency at any time during the effective period of this Permit.

SPECIAL CONDITION 3.

**AUTHORIZATION OF  
COMBINED SEWER AND TREATMENT PLANT DISCHARGES**

The IEPA has determined that at least a portion of the Permittee's collection system consists of combined sewers. References to the collection system and the sewer system refer only to those parts of the system which are owned and operated by the Permittee unless otherwise indicated. The Permittee is authorized to discharge from the combined sewer listed below provided the following terms and conditions are met:

Discharge Number	Location	Receiving Water	Recreational Use
001	Touhy Avenue (E)	North Shore Channel	Primary Contact Recreation
002	Pratt Avenue (E)	North Shore Channel	Primary Contact Recreation
003	North Shore Ave. (E)	North Shore Channel	Primary Contact Recreation
004	Devon Avenue (W)	North Shore Channel	Primary Contact Recreation
005	Devon Avenue (E)	North Shore Channel	Primary Contact Recreation
006	Peterson Avenue (E)	North Shore Channel	Primary Contact Recreation
007	Peterson Avenue (W)	North Shore Channel	Primary Contact Recreation
008	Thorndale Avenue (W)	North Shore Channel	Primary Contact Recreation
009	Ardmore Avenue (W)	North Shore Channel	Primary Contact Recreation
010	Ardmore Avenue (E)	North Shore Channel	Primary Contact Recreation
011	Bryn Mawr Avenue (E)	North Shore Channel	Primary Contact Recreation
012	Bryn Mawr Avenue (W)	North Shore Channel	Primary Contact Recreation
014	Foster Avenue (W)	North Shore Channel	Primary Contact Recreation
016	Wildwood Avenue (E)	North Branch Chicago River	General Use
017	Imlay Street (W)	North Branch Chicago River	General Use
018	Miami Avenue (W)	North Branch Chicago River	General Use
019	Peterson Avenue (W)	North Branch Chicago River	General Use
020	Mango Avenue (W)	North Branch Chicago River	General Use
021	Central Avenue (N)	North Branch Chicago River	General Use
024	Forest Glen Avenue (S)	North Branch Chicago River	General Use
026	Cicero Avenue (N)	North Branch Chicago River	General Use
029	Kilbourn Avenue (N)	North Branch Chicago River	General Use
030	Foster Avenue (W)	North Branch Chicago River	General Use
035	Kedzie Avenue (S)	North Branch Chicago River	General Use
038	Berwyn Avenue (W)	North Shore Channel	Primary Contact Recreation
039	Birchwood Avenue (E)	North Shore Channel	Primary Contact Recreation
040	Argyle Street (W)	North Branch Chicago River	Primary Contact Recreation
041	Lawrence Avenue (W)	North Branch Chicago River	Primary Contact Recreation
042	Lawrence Avenue (W)	North Branch Chicago River	Primary Contact Recreation
043	Giddings Street (W)	North Branch Chicago River	Primary Contact Recreation
044	Leland Avenue (W)	North Branch Chicago River	Primary Contact Recreation
046	Wilson Avenue (E)	North Branch Chicago River	Primary Contact Recreation
047	Wilson Avenue (W)	North Branch Chicago River	Primary Contact Recreation
048	Sunnyside Avenue (E)	North Branch Chicago River	Primary Contact Recreation
049	Sunnyside Avenue (W)	North Branch Chicago River	Primary Contact Recreation
050	Agatite Avenue (E)	North Branch Chicago River	Primary Contact Recreation
051	Montrose Avenue (E)	North Branch Chicago River	Primary Contact Recreation
052	Montrose Avenue (W)	North Branch Chicago River	Primary Contact Recreation
057	Berteau Avenue (W)	North Branch Chicago River	Primary Contact Recreation
058	Irving Park Road (E)	North Branch Chicago River	Primary Contact Recreation
059	Irving Park Road (W)	North Branch Chicago River	Primary Contact Recreation
060	Grace Street (W)	North Branch Chicago River	Primary Contact Recreation

Special Conditions

061	Addison Street (E)	North Branch Chicago River	Primary Contact Recreation
062	Addison Street (W)	North Branch Chicago River	Primary Contact Recreation
063	Roscoe Street (W)	North Branch Chicago River	Primary Contact Recreation
064	Belmont Avenue (W)	North Branch Chicago River	Primary Contact Recreation
065	Western Avenue (N)	North Branch Chicago River	Primary Contact Recreation
067	Leavitt Street (E)	North Branch Chicago River	Primary Contact Recreation
068	Diversey Avenue (W)	North Branch Chicago River	Primary Contact Recreation
069	Diversey Avenue (E)	North Branch Chicago River	Primary Contact Recreation
070	Logan Blvd. (W)	North Branch Chicago River	Primary Contact Recreation
072	Damen Avenue (S)	North Branch Chicago River	Primary Contact Recreation
073	Fullerton Avenue (W)	North Branch Chicago River	Primary Contact Recreation
074	Fullerton Avenue (E)	North Branch Chicago River	Primary Contact Recreation
075	Ashland Avenue (E)	North Branch Chicago River	Primary Contact Recreation
076	Webster Avenue (E)	North Branch Chicago River	Primary Contact Recreation
077	McLean Avenue (W)	North Branch Chicago River	Primary Contact Recreation
078	McLean Avenue (E)	North Branch Chicago River	Primary Contact Recreation
079	Cortland Street (W)	North Branch Chicago River	Primary Contact Recreation
080	Cortland Street (E)	North Branch Chicago River	Primary Contact Recreation
081	Clifton Avenue (E)	North Branch Chicago River	Primary Contact Recreation
082	North Avenue (W)	North Branch Chicago River	Primary Contact Recreation
083	North Avenue (E)	North Branch Chicago River	Primary Contact Recreation
084	Blackhawk Street (W)	North Branch Chicago River	Primary Contact Recreation
085	Blackhawk Street (E)	North Branch Chicago River	Primary Contact Recreation
086	Eastman Street (E)	North Branch Canal	Primary Contact Recreation
087	Division Street (W)	North Branch Chicago River	Primary Contact Recreation
088	Division Street (E)	North Branch Chicago River	Primary Contact Recreation
090	Halsted Street (N)	North Branch Canal	Primary Contact Recreation
091	Halsted Street (W)	North Branch Canal	Primary Contact Recreation
092	Cortez Street (W)	North Branch Chicago River	Primary Contact Recreation
093	Cortez Street (W)	North Branch Chicago River	Primary Contact Recreation
094	Haines Street (E)	North Branch Chicago River	Primary Contact Recreation
095	Halsted Street (N)	North Branch Chicago River	Primary Contact Recreation
096	Chicago Avenue (W)	North Branch Chicago River	Primary Contact Recreation
097	Chicago Avenue (E)	North Branch Chicago River	Primary Contact Recreation
098	Erie Street (W)	North Branch Chicago River	Primary Contact Recreation
099	Erie Street (E)	North Branch Chicago River	Primary Contact Recreation
100	Grand Avenue (W)	North Branch Chicago River	Primary Contact Recreation
101	Kinzie Street (W)	North Branch Chicago River	Primary Contact Recreation
103	Fulton Street (W)	North Branch Chicago River	Primary Contact Recreation
104	Lake Shore Drive (N)	Chicago River	Primary Contact Recreation
105	St. Clair Street (N)	Chicago River	Primary Contact Recreation
106	Beaubien Court (N)	Chicago River	Primary Contact Recreation
107	Michigan Avenue (S)	Chicago River	Primary Contact Recreation
109	Michigan Avenue (S)	Chicago River	Primary Contact Recreation
110	Rust Street (N)	Chicago River	Primary Contact Recreation
111	Wabash Avenue (S)	Chicago River	Primary Contact Recreation
112	State Street (S)	Chicago River	Primary Contact Recreation
113	Dearborn Street (N)	Chicago River	Primary Contact Recreation
114	Dearborn Street (S)	Chicago River	Primary Contact Recreation
115	Clark Street (N)	Chicago River	Primary Contact Recreation
116	Clark Street (S)	Chicago River	Primary Contact Recreation
117	LaSalle Street (N)	Chicago River	Primary Contact Recreation
118	LaSalle Street (S)	Chicago River	Primary Contact Recreation
119	Wells Street (N)	Chicago River	Primary Contact Recreation
120	Wells Street (S)	Chicago River	Primary Contact Recreation
121	Franklin Street (S)	Chicago River	Primary Contact Recreation
123	Randolph Street (E)	South Branch Chicago River	Primary Contact Recreation
124	Washington Street (E)	South Branch Chicago River	Primary Contact Recreation
125	Washington Street (W)	South Branch Chicago River	Primary Contact Recreation
126	Madison Street (E)	South Branch Chicago River	Primary Contact Recreation
127	Monroe Street (E)	South Branch Chicago River	Primary Contact Recreation
128	Adams Street (E)	South Branch Chicago River	Primary Contact Recreation

Special Conditions

129	Quincy Street (E)	South Branch Chicago River	Primary Contact Recreation
130	Jackson Blvd. (E)	South Branch Chicago River	Primary Contact Recreation
131	Van Buren Street (E)	South Branch Chicago River	Primary Contact Recreation
132	Harrison Street (W)	South Branch Chicago River	Primary Contact Recreation
133	Harrison Street (E)	South Branch Chicago River	Primary Contact Recreation
134	Polk Street (W)	South Branch Chicago River	Primary Contact Recreation
136	Taylor Street (W)	South Branch Chicago River	Primary Contact Recreation
137	Taylor Street (E)	South Branch Chicago River	Primary Contact Recreation
138	Roosevelt Road (W)	South Branch Chicago River	Primary Contact Recreation
140	Maxwell Street (W)	South Branch Chicago River	Primary Contact Recreation
141	14th Street (W)	South Branch Chicago River	Primary Contact Recreation
143	14th Street (E)	South Branch Chicago River	Primary Contact Recreation
144	15th Street (E)	South Branch Chicago River	Primary Contact Recreation
145	16th Street (W)	South Branch Chicago River	Primary Contact Recreation
146	16th Street (E)	South Branch Chicago River	Primary Contact Recreation
147	18th Street (W)	South Branch Chicago River	Primary Contact Recreation
148	18th Street (E)	South Branch Chicago River	Primary Contact Recreation
149	19th Street (E)	South Branch Chicago River	Primary Contact Recreation
150	Stewart Avenue (S)	South Branch Chicago River	Primary Contact Recreation
151	Canal Street (S)	South Branch Chicago River	Primary Contact Recreation
152	Cermak Road (W)	South Branch Chicago River	Primary Contact Recreation
153	Cermak Road (E)	South Branch Chicago River	Primary Contact Recreation
154	Normal Avenue (S)	South Branch Chicago River	Primary Contact Recreation
155	Wallace Street (S)	South Branch Chicago River	Primary Contact Recreation
156	Union Avenue (N)	South Branch Chicago River	Primary Contact Recreation
157	Halsted Street (N)	South Branch Chicago River	Primary Contact Recreation
158	Halsted Street (S)	South Branch Chicago River	Primary Contact Recreation
159	Morgan Street (N)	South Branch Chicago River	Primary Contact Recreation
160	Senour Avenue (S)	South Branch Chicago River	Primary Contact Recreation
163	Throop Street (S)	South Branch Chicago River	Primary Contact Recreation
165	Loomis Street (S)	South Branch Chicago River	Primary Contact Recreation
166	Lafin Street (N)	South Branch Chicago River	Primary Contact Recreation
167	Ashland Avenue (N)	South Branch Chicago River	Primary Contact Recreation
168	Paulina Street (N)	South Branch Chicago River	Primary Contact Recreation
169	Wood Street (N)	South Branch Chicago River	Primary Contact Recreation
170	Damen Avenue (N)	South Branch Chicago River	Primary Contact Recreation
172	Oakley Avenue (N)	Sanitary & Ship Canal	Incidental Contact Recreation
173	Western Avenue (S)	Sanitary & Ship Canal	Incidental Contact Recreation
174	Rockwell Street (N)	Sanitary & Ship Canal	Incidental Contact Recreation
176	California Avenue (S)	Sanitary & Ship Canal	Incidental Contact Recreation
178	Albany Avenue (N)	Collateral Canal	Incidental Contact Recreation
179	Kedzie Avenue (N)	Sanitary & Ship Canal	Incidental Contact Recreation
180	Kedzie Avenue (S)	Sanitary & Ship Canal	Incidental Contact Recreation
181	Central Park Ave. (S)	Sanitary & Ship Canal	Incidental Contact Recreation
182	Lawndale Avenue (N)	Sanitary & Ship Canal	Incidental Contact Recreation
183	Pulaski Road (N)	Sanitary & Ship Canal	Incidental Contact Recreation
184	Pulaski Road (S)	Sanitary & Ship Canal	Incidental Contact Recreation
185	Kenton Avenue (N)	Sanitary & Ship Canal	Incidental Contact Recreation
186	Cicero Avenue (S)	Sanitary & Ship Canal	Incidental Contact Recreation
187	Leamington Avenue (S)	Sanitary & Ship Canal	Incidental Contact Recreation
188	Natchez Avenue (S)	Sanitary & Ship Canal	Incidental Contact Recreation
189	Nashville Avenue (S)	Sanitary & Ship Canal	Incidental Contact Recreation
190	Ashland Avenue (W)	So. Fork of So. Branch Chicago River	Incidental Contact Recreation
191	Archer Avenue (W)	So. Fork of So. Branch Chicago River	Incidental Contact Recreation
192	Archer Avenue (E)	So. Fork of So. Branch Chicago River	Incidental Contact Recreation
193	31st Street (E)	So. Fork of So. Branch Chicago River	Incidental Contact Recreation
194	35th Street (W)	So. Fork of So. Branch Chicago River	Incidental Contact Recreation
195	35th Street (E)	So. Fork of So. Branch Chicago River	Incidental Contact Recreation
196	37th Street (W)	So. Fork of So. Branch Chicago River	Incidental Contact Recreation
198	Iron Street (W)	So. Fork of So. Branch Chicago River	Incidental Contact Recreation
206	Torrence Avenue (N)	Little Calumet River	Primary Contact Recreation
209	Forest Avenue (N)	Little Calumet River	Primary Contact Recreation

Special Conditions

210	Indiana Avenue (S)	Little Calumet River	Primary Contact Recreation
211	130th Street (E)	Little Calumet River	Primary Contact Recreation
214	Parnell Avenue (N)	Little Calumet River	Primary Contact Recreation
215	Halsted Street (N)	Little Calumet River	Primary Contact Recreation
216	Peoria Avenue (N)	Little Calumet River	Primary Contact Recreation
218	Lafin Street (N)	Calumet Sag Channel	Primary Contact Recreation
226	Wilson Avenue (E)	Des Plaines River	General Use
227	Belmont Avenue (E)	Des Plaines River	General Use
230	Hobbie Street (E)	North Branch Canal	Primary Contact Recreation
231	Grace Street (W)	North Branch Chicago River	Primary Contact Recreation
233	Berwyn Avenue (E)	North Shore Channel	Primary Contact Recreation
234	Ardmore Avenue (W)	North Branch Chicago River	General Use
235	St. Louis Avenue (N)	North Branch Chicago River	General Use
236	Gross Point Road (W)	North Branch Chicago River	General Use
237	Halsted Street (S)	North Branch Chicago River	Primary Contact Recreation
238	Rockwell Street (N)	North Branch Chicago River	Primary Contact Recreation
239	Vernon Avenue (N)	Little Calumet River	Primary Contact Recreation
241	Stewart Avenue (N)	Little Calumet River	Primary Contact Recreation

Basic Treatment Requirements

1. All CSO discharges authorized by this Permit shall be treated, in whole or in part, to the extent necessary to prevent accumulations of sludge deposits, floating debris and solids in accordance with 35 Ill. Adm. Code 302.203 and 302.403, to prevent depression of oxygen levels below the applicable water quality standards and to the extent required by the federal Clean Water Act, including any amendments made by the Wet Weather Water Quality Act of 2000. Permittee shall coordinate with the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) to meet these requirements.
2. Elimination of CSOs during dry weather. All dry weather flows, the first flush of storm flows, and additional flows, but not less than ten times the average dry weather flow for the design year, shall be conveyed to the tributary MWRDGC Water Reclamation Plant for treatment. Dry weather overflows shall be reported to the IEPA pursuant to Standard Condition 12(f) of this Permit (24-hour notice).

As part of its Operations & Maintenance Plan (O&M Plan) pursuant to Paragraphs Nos. 22 and 27, Permittee shall develop a plan for ensuring that any dry weather CSO Outfall discharges are promptly detected and steps are taken expeditiously to mitigate any recurrences.

3. Activities pursuant to this permit shall be coordinated with the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) where feasible. Within nine months after the effective date of this permit, the Permittee shall document and submit in writing to the IEPA, the agreed upon respective roles and responsibilities of the Permittee and the MWRDGC regarding control of CSOs covered by this permit.
4. The Permittee shall comply with the nine minimum controls (NMCs) contained in the National CSO Control Policy published in the Federal Register on April 19, 1994. The nine minimum controls are:
  - a. Proper operation and maintenance programs for the sewer system and the CSOs;
  - b. Maximum use of the collection system for storage;
  - c. Review and modification of pretreatment requirements to assure CSO impacts are minimized;
  - d. Maximization of flow to the POTW for treatment;
  - e. Prohibition of CSOs during dry weather;
  - f. Control of solids and floatable materials in CSOs;
  - g. Pollution prevention programs which focus on source control activities;
  - h. Public notification to ensure that citizens receive adequate information regarding CSO occurrences and CSO impacts; and,
  - i. Monitoring to characterize impacts and efficiency of CSO controls.

Discharge Monitoring

5. Permittee shall perform maintenance inspections to visually inspect site conditions, evidence of discharge, presence of solids and other contaminants, and structural condition of each unmonitored permitted outfall at least once per month, and each monitored permitted outfall yearly, during dry weather, at least twenty-four (24) hours after a precipitation event ends,



Special Conditions

and submit an annual written report to IEPA that details the results of inspections for each outfall. Each outfall shall include signage that instructs the public how to alert the Permittee of any dry weather overflows.

6. Permittee shall monitor the frequency of discharge (number of discharges per month) and estimate the duration (in hours) of each discharge from each monitored outfall listed in Paragraph No. 8 below. The outfalls listed in Paragraph No. 8 are considered to be representative of the remaining unmonitored CSO outfalls, so if the monitored outfalls discharge, it is assumed that the associated unmonitored outfalls also discharge. Estimates of storm duration and total rainfall shall be provided for each storm event. For frequency reporting, all discharges from the same storm, or occurring within 24 hours, shall be reported as one. The date that a discharge commences and the duration of the discharge shall be recorded for each outfall. Monitoring results generated in accordance with this paragraph shall be recorded for each calendar month on the NetDMR and shall be submitted on a quarterly- (Jan 15th, April 15th, July 15th, October 15th for the preceding 3 months of data) basis and upon request by the IEPA.
7. The Permittee may elect to fulfill the monitoring requirements for any or all of its outfalls by utilizing CSO frequency and duration information submitted to IEPA by the MWRDGC as part of MWRDGC's CSO Monitoring Program, provided the Permittee: (a) sends a notice to IEPA indicating its intent to rely upon MWRDGC's data; (b) specifies in the notice the outfalls that the Permittee will not be independently monitoring; and (c) receives a written response from IEPA indicating that IEPA approves the Permittee's decision to rely upon MWRDGC's data. The Permittee's election to utilize MWRDGC information for some, but not all, of the outfalls authorized under this permit, shall not relieve the Permittee's obligation to monitor the frequency and estimate the duration of each discharge from those outfalls not being addressed through the MWRDGC information. The Permittee may not utilize MWRDGC information to fulfill the monitoring requirements if the Permittee receives written notice from IEPA that it may no longer do so or if MWRDGC ceases monitoring certain outfalls that are subject to IEPA permission.
8. The following discharges are monitored by MWRDGC as described in the CSO Representative Monitoring plan dated February 15, 2018. Unmonitored outfalls owned by the City of Chicago are listed for each monitored outfall below that is representative of their discharge.

Summary of Monitored	CSO Outfalls
North Shore Channel	3
North Branch Chicago River	30
Little Calumet River	4
Calumet River	1
Cal-Sag Channel	1
Chicago River	3
South Branch of the Chicago River	13
South Fork of SBCR	2
Chicago Sanitary & Ship Canal	13
Collateral Channel	1
Des Plaines River	2

Receiving Water: North Shore Channel (total: 3)				
Discharge No.	Unmonitored Outfall No(s).	TARP Structure	Outfall Location	CSO Outfall Owner(s)
10	006, 007, 008, 009, 011, 012, 014, 038, 233	TG-M94	Ardmore, (E)	1 – Chicago
2	001, 005	DS-M97	Pratt Ave., (E)	1 – Chicago
3	004	DS-M97	North Shore Ave., (E)	1 – Chicago

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Receiving Water: North Branch Chicago River (total: 30)				
Discharge No.	Unmonitored Outfall No(s).	TARP Structure	Outfall Location	CSO Outfall Owner(s)
73	072	DS-M76	Fullerton, (W)	1 – Chicago
68		DS-M79	Diversey, (W)	1 – Chicago
70	069	DS-M79	Logan, S of Diversey, (W)	1 – Chicago
67		DS-M80	Leavitt St. (NE), SW of DS-M80	1 – Chicago
65		TG-M81	Western Ave., (NE)	1 – Chicago
64		DS-M82	Belmont Ave., (W)	1 – Chicago
238		DS-M83	Melrose St. & Rockwell St., (W)	1 – Chicago
63		DS-M84	Roscoe St., (W)	1 – Chicago
61	062	DS-M85	Addison St., (E), (Inside ComEd's property)	1 – Chicago
231	060	DS-M86	Grace St., (W), N of DS-M86	1 – Chicago
57	048, 049, 050, 051, 052, 058, 059	DS-M88	Berteau Ave., (W)	1 – Chicago
42	035, 040, 041, 044	DS-LAT	Lawrence Ave., (W)	1 – Chicago
30	235	DS-N02	Foster Ave. and Keeler, (W)	1 – Chicago
29		DS-N03	Bryn Mawr and Kilbourn Ave., (N)	1 – Chicago
26		DS-N04	Cicero, S. of Forest Glen, (N)	1 – Chicago
24		DS-N05	Forest Glen Ave., W of Cicero (S)	1 – Chicago
234		DS-N06	Ardmore Ave. (Indian and Ardmore), (W)	1 – Chicago
21		DS-N07	Central Ave., (N), (5900-6100 North)	1 – Chicago
20	019	DS-N08	Mango Ave. (Ext.), (W) (Leonard & Miltmore)	1 – Chicago
18		DS-N09	Miami Ave., (W) (Indian & Monitor)	1 – Chicago
16		DS-N10A	Wildwood Ave. (Ext.), (E) (Caldwell & Tonty)	1 – Chicago
17		DS-N10B	Imlay St. & Milwaukee Ave., (W)	1 – Chicago
236/008		DS-N13R	Franks and Nieman, (W) (6872 Touhy)	1 – Chicago
103	097, 098, 099, 100, 101	DS-M61A	Fulton & Canal St., (W)	1 – Chicago
92	088, 090, 091, 093, 094, 095, 096, 230, 237	DS-M64	Cortez & Elston, (W)	1 – Chicago
84	085, 087	DS-M66	Blackhawk St., (W)	1 – Chicago
83	086	DS-M70	North Ave., (E)	1 – Chicago
82	081	TG-M71	North Ave., (W)	1 – Chicago
77	075, 076, 078, 079, 080	DS-M73	McLean Ave., (W)	1 – Chicago
74		DS-M75	Fullerton Ave., (E)	1 – Chicago

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Receiving Water: Little Calumet River (total: 4)				
Discharge No.	Unmonitored Outfall No(s).	TARP Structure	Outfall Location	CSO Outfall Owner(s)
211		CDS-14	130th Street (E)	1 – Chicago
210		CDS-15-5	Indiana Avenue (E)	1 – Chicago
239	209	CDS-16	Vernon Avenue & East 134th Street	1 – Chicago
241		CDS-12	Stewart Avenue	1 – Chicago

Receiving Water: Calumet River (total: 1)				
Discharge No.	Unmonitored Outfall No(s).	TARP Structure	Outfall Location	CSO Outfall Owner(s)
206		CDS-20	134th & Brainard	1 – Chicago

Receiving Water: Cal-Sag Channel (total: 1)				
Discharge No.	Unmonitored Outfall No(s).	TARP Structure	Outfall Location	CSO Outfall Owner(s)
001/218		CDS-10	Lafin Avenue (N)	1 – Calumet Park/Chicago

Receiving Water: Chicago River (total: 3)				
Discharge No.	Unmonitored Outfall No(s).	TARP Structure	Outfall Location	CSO Outfall Owner(s)
121		DS-M54	Franklin St. (S)	1 – Chicago
107	109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120	DS-M55	Michigan Ave. (S))	1 – Chicago
106	104, 105	TG-M60	Beaubien Ct. (Saint Clair St.), (N)	1 – Chicago

Receiving Water: South Branch of Chicago River (total: 13)				
Discharge No.	Unmonitored Outfall No(s).	TARP Structure	Outfall Location	CSO Outfall Owner(s)
168	169, 170	DS-M25	Paulina St., (N)	1 – Chicago
166	163, 165, 167	DS-M35	Lafin, (N)	1 – Chicago
156	157, 158, 159, 160	DS-M38	Union Ave., (N)	1 – Chicago
154	155	DS-M40	Normal Ave., (S)	1 – Chicago
151	148, 149, 150, 152, 153	DS-M41	Canal St. & Grove St., (S)	1 – Chicago
143	141, 144, 145, 146, 147	DS-M45	14th St., (E)	1 – Chicago
140		DS-M47	Maxwell St. & Lumber Ave., (W)	1 – Chicago
138		DS-M49	Roosevelt Rd. & Lumber Ave., (W)	1 – Chicago
132	133	DS-M51	Harrison St., (W)	1 – Chicago

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129	123, 124, 126, 127, 128, 130, 131	DS-M52	Quincy St. & Lower Wacker Dr., (E)	1 – Chicago
136		TG-I28 & I29	Taylor St., (W)	1 – Chicago
134	137	TG-I32	Polk St., (W)	1 – Chicago
125		Indirect (TG-M53)	Washington St. (W)	1 – Chicago

Receiving Water: South Fork of SBCR (total: 2)				
Discharge No.	Unmonitored Outfall No(s).	TARP Structure	Outfall Location	CSO Outfall Owner(s)
198	196	DS-M26	Iron St., (W)	1 – Chicago
194	190, 191, 192, 193, 195	DS-M30	35th. St., (W)	1 – Chicago

Receiving Water: Chicago Sanitary & Ship Canal (total: 13)				
Discharge No.	Unmonitored Outfall No(s).	TARP Structure	Outfall Location	CSO Outfall Owner(s)
188		DS-M08	Natchez Ave (Ext), (S)	1 – Chicago
187		DS-M12	Leamington Ave. (Ext), (S)	1 – Chicago
185		DS-M15	Kenton Ave. (Kostner Ave, Ext), (N)	1 – Chicago
182		TG-M16	Lawndale Ave. (N)	1 – Chicago
180	179	DS-M17	Kedzie Ave., (S)	1 – Chicago
176		DS-M19	California Ave., (S)	1 – Chicago
174		DS-M20	Rockwell Ave, (S)	1 – Chicago
173		DS-M21	Western Ave., (S)	1 – Chicago
172		TG-M22	Oakley Ave., (N)	1 – Chicago
186		TG-I5	Cicero Ave., (S)	1 – Chicago
184	181	TG-I8	Pulaski Rd., (S)	1 – Chicago
183		TG-I9	Pulaski Rd., (N)	1 – Chicago
189		TG-NASH	Nashville Ave. Pump Station	1 – Chicago

Receiving Water: Collateral Channel (total: 1)				
Discharge No.	Unmonitored Outfall No(s).	TARP Structure	Outfall Location	CSO Outfall Owner(s)
178		TG-I12	Albany Ave. (N)	1 – Chicago

Receiving Water: Des Plaines River (total: 2)				
Discharge No.	Unmonitored Outfall No(s).	TARP Structure	Outfall Location	CSO Outfall Owner(s)
226		DS-D10	East River Rd. & Wilson Ave., (E)	1 – Chicago
227		DS-D11	100' N of Belmont, (E)	1 – Chicago

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9. If any of the CSO discharge points listed above are eliminated, or if additional CSO discharge points not listed above are discovered, the Permittee shall notify the IEPA in writing within one (1) month of the respective outfall elimination or discovery. Such notification shall be in the form of a request for the appropriate modification of this NPDES Permit.

Study to Evaluate Effectiveness of Existing Monitoring Program

10. Within 24 months from the effective date of this permit, the Permittee shall develop a study to evaluate the existing monitoring program of City-owned CSO outfalls through a hydraulic model, make recommendations regarding the need for additional monitoring of currently unmonitored City-owned CSO outfalls, and determine the applicability and feasibility of installing additional monitoring equipment at unmonitored City-owned CSO outfalls. The study, at a minimum, shall include:
- An assessment of the hydraulic connection between City-owned CSO outfalls, and CSO frequency and volumes based on model results;
  - An evaluation of the site conditions, water levels, and available access;
  - An assessment of suitability of monitoring technology; and
  - Installation of monitoring equipment at up to 10 outfalls selected based on results from previous 3 steps.

The outcome of the study will make recommendations regarding long term monitoring of currently unmonitored City-owned outfalls and describe the feasibility of monitoring each recommended outfall location. Based on the recommendations from the study, the Permittee will develop a long term monitoring plan for continued monitoring through the duration of the permit. The outcome of the study shall also be considered by Permittee in determinations regarding outfalls to be sampled as set forth in Paragraph No. 13, below. The long-term monitoring plan for the currently unmonitored City-owned outfalls is due 36 months after the effective date of this permit.

Development of a Nine Minimum Controls Enhancement Plan and Related Measures

11. Within 120 days from the effective date of this Permit, the Permittee shall consult with interested stakeholders, including the public, businesses, the environmental community, and professional engineers (Stakeholders) regarding the Permittee's Nine Minimum Controls Enhancement Plan and Related Measures (NMC Enhancement Plan) (Stakeholder Consultation). The NMC Enhancement Plan shall provide guidance regarding how the Permittee will address each of the nine minimum controls (NMCs), including a pathway and milestones for the 5-year permit cycle. The NMC Enhancement Plan shall be designed to substantially improve the Permittee's performance in meeting the goals for the Nine Minimum Controls contained in USEPA's CSO Policy (1994) and Combined Sewer Overflows: Guidance for Nine Minimum Controls (1995).

The Permittee shall develop the NMC Enhancement Plan within eighteen months from the effective date of this permit (using the studies and applicable data from the MWRDGC and other sources when available) in accordance with Paragraphs 12 and 13.

12. Following public participation in development of the NMC Enhancement Plan: In addition to Stakeholder Consultation, as provided above, the Permittee shall provide for public comment and hearings on the draft NMC Enhancement Plan (Public Comment Period). The NMC Enhancement Plan timetable must include both the Stakeholder Consultation and the Public Comment Period.

Sampling for the Nine Minimum Control Enhancement Plan

13. Sampling plans and flow monitoring data will be reviewed annually. If the study performed pursuant to Paragraph No. 10, above, identifies discharges from City-owned CSO outfalls that have not been detected under the existing monitoring program, Permittee shall review the revised overflow data as part of the annual review to determine if any changes to the sampling plan should be made. If any changes to the list of CSO discharge sites and/or parameters are made, the Permittee shall notify the IEPA in writing at least one (1) month in advance of the respective change to the CSO discharge sites and/or parameters. Such notification shall be in the form of a request for the appropriate modification of this NPDES Permit.

Evaluation of Green Stormwater Infrastructure Alternatives

14. Within one year of the effective date of this permit, the Permittee shall update and expand its 2014 Green Stormwater Infrastructure Strategy and establish initiatives with measurable goals and outcomes through incremental measures that will reduce CSOs, prioritizing sensitive areas and environmental justice communities. Alternatives will include use of Permittee-owned assets such as vacant lots and roadways, the depaving of Permittee owned properties not in use, and integration of

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stormwater BMPs on all city developments so there is, at a minimum, no increase in stormwater runoff. The Permittee shall integrate results from any modeling of the capacity for Green Infrastructure to reduce CSOs in the collection system. The Permittee shall participate in such modeling within its jurisdiction.

15. The Permittee shall participate in regional watershed planning initiatives, such as the Greater Chicago Watershed Alliance, and prioritize stormwater management projects using nature-based solutions. Plans for repair and maintenance of Green Infrastructure shall include an industry standard operations and maintenance schedule for the repair or restoration of all green infrastructure built pursuant to the updated Green Infrastructure plan, to the extent feasible.

Maximization of Flow to the Existing POTW for Treatment

16. The NMC Enhancement Plan shall plan for maximization of flow to the POTW for treatment at MWRDGC plants and minimization of stormwater entering the plants, including a robust green infrastructure program across the City to enhance the effectiveness of the TARP. Permittee's NMC Enhancement Plan shall include a minimum of the following:
  - a. Identification of possible locations where minor modifications to the collection system can be made to increase in-system storage.
  - b. Analysis of potential modifications to ensure such modifications will not cause other problems such as street or basement flooding.
  - c. Inspection of the collection system to identify deficiencies that restrict its capacity.
  - d. Removal of debris and sediment.
  - e. Replacement of sections of pipe that are undersized or otherwise create an obstruction.
  - f. Adoption of downspout and sump-pump disconnection requirements.
  - g. Requirements for localized upstream detention.

Implementation Schedule

17. Permittee shall include in the NMC Enhancement Plan guidance regarding timelines and milestones for each element of the NMC Enhancement Plan not immediately implemented.

Post-Construction Compliance and Monitoring

18. The NMC Enhancement Plan shall include a long-term monitoring and review program to determine the effectiveness of the O&M Plan and detect discharge violations.

Sensitive Area and Related Considerations

19. Pursuant to Section II.C.3 of the federal CSO Control Policy of 1994, sensitive areas are any water likely to be impacted by a CSO discharge which meet one or more of the following criteria: (1) designated as an Outstanding National Resource Water; (2) found to contain shellfish beds; (3) found to contain threatened or endangered aquatic species or their habitat; (4) used for primary contact recreation; or, (5) within the protection area for a drinking water intake structure. The most recent Sensitive Area Consideration Report was dated March 25, 2003.
20. For outfalls designated as discharging to primary contact recreation or general use waters, within one (1) year of the effective date of this Permit, the Permittee shall submit two (2) copies of documentation indicating which of the outfalls do not discharge to sensitive areas. Such documentation shall include information regarding the use of the receiving water for primary contact activities (swimming, water skiing, etc.). If the Permittee believes that it is not possible for primary contact recreation to occur in the areas impacted or potentially impacted by the CSOs listed in Authorization of Combined Sewer and Treatment Plant Discharges, then justification as to why primary contact recreation is not possible shall be submitted. Adequate justification shall include, but is not limited to: (1) inadequate water depth; (2) presence of physical obstacles sufficient to prevent access to or for primary contact recreation; and, (3) uses of adjacent land sufficient to discourage primary contact activities. The IEPA will make a determination based on this documentation and other information available to the IEPA. Should the IEPA conclude that any of the CSOs discharge to a sensitive area, the IEPA will notify the Permittee in writing. Within three (3) months of the date of notification, or such other date contained in the notification letter, the Permittee shall submit two (2) copies of either a schedule to evaluate relocation, control, or treatment of discharges from these outfalls. If none of these options are possible, the Permittee shall submit adequate justification as to why these options are not possible. Such justification shall be in accordance with Section II.C.3 of the National CSO Control Policy.

The following Permittee-owned outfalls have been identified as the most active based on recent overflow history and location. These outfalls are listed by discharge number, name, and nearby recreational asset:

DISCHARGE NUMBER(S) AND NAME(S) – IMPACTED ASSET(S):

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024 Forest Glen Ave (S) CSO to the North Branch Chicago River – LaBagh Woods (FPDCC)  
 178 Albany Ave (N) CSO to the Collateral Canal – La Villita Park (CPD)  
 057 Berteau Ave CSO to the North Branch Chicago River – Horner Park (CPD)  
 063 Roscoe St CSO to the North Branch Chicago River – Clark Park (CPD)  
 067 Leavitt St CSO to the North Branch Chicago River – Lathrop Homes Boat Launch (public)  
 084 Blackhawk St CSO to the North Branch Chicago River – Wild Mile (CPD)  
 156 Union Ave CSO to the South Branch Chicago River – Park 571 (CPD) Ping Tom Park (CPD)  
 194 35<sup>th</sup> St. CSO to the South Fork of the SBCR – Bridgeport Art Center (public) crew team resource  
 172 Oakley Ave CSO to the Sanitary and Ship Canal – Richard J Daley Boat Launch (CPD)  
 226 Wilson Ave CSO to the Des Plaines River – Robinson Woods (FPDCC)

21. Permittee shall prioritize the City-owned outfalls listed in Paragraph 20 for the following mitigation measures to the extent practicable at those sites:
- a. Nine Minimum Controls Enhancement Plan (Paragraph No. 11), Implementation Schedule (Paragraph No. 17), and Post-Construction Compliance and Monitoring (Paragraph No. 18) activities.
  - b. Evaluation of Green Stormwater Infrastructure Alternatives (Paragraph No. 14): Activities to use city-owned assets such as vacant lots and roadways, depaving of City-owned properties not in use, and integration of stormwater BMPs on all City developments to reduce CSOs.
  - c. Maximization of Flow to the Existing POTW for Treatment (Paragraph No. 16): Activities to identify possible locations where minor modifications to the collection system can be made to increase in-system storage, inspect the collection system and identify deficiencies that restrict capacity, remove debris and sediment, adopt downspout and sump-pump disconnection requirements, and adopt requirements for localized upstream detention.
  - d. Operation and Maintenance Plans (Paragraph No. 22): Mechanisms and procedures to conduct collection system inspections; clean sewer, catch basins, and regulators; detect and eliminate illegal connections; detect, prevent, and eliminate dry weather overflows; operate the collection system to maximize storage capacity and delay storm entry into the system; install stormwater inflow restrictors; and conduct CSO inspections at least annually.
  - e. Solids and Floatables Program Plan (Paragraph No. 24): Activities to address floatables and other offensive conditions originating from City-owned CSOs including street sweeping, solids collection, and deployment of skimmer boats and study the sources of solids and floatables.
  - f. Pollution Prevention Plan (Paragraph No. 26): Pollution prevention measures to conduct public education programs and to continue and expand space to grow and tree planting programs.

The City-owned CSOs identified as most active and subject to this prioritization shall be reviewed annually and may be modified based on reported CSO discharges.

Operations and Maintenance Plans

22. The Permittee shall develop a new Operations & Maintenance Plan (O&M Plan), which updates its CSO Operational and Maintenance Plan for this collection system dated November 2002, revised December 2006 and approved on February 13, 2013 to reflect collection system changes and any comments previously sent to the Permittee by IEPA. Within ninety (90) days from the effective date of this permit, Permittee shall submit to IEPA a schedule for implementing the new O&M Plan. IEPA shall review and revise the schedule, if needed.-- If Permittee is not able to fully implement the O&M Plan and schedule -at any time, Permittee shall immediately inform IEPA in writing and provide an explanation and a proposed timetable for correcting the problem as soon as possible and coming into full compliance with this Permit.

Through the new O&M Plan, the Permittee shall implement measures to reduce, to the greatest extent practicable, the total loading of pollutants and floatables entering the receiving streams and to mitigate, to the greatest extent practicable, the impacts from such loadings, to ensure that the receiving waters ultimately achieves compliance with water quality standards. The O&M Plan shall be tailored to Permittee's collection system and shall include mechanisms and specific procedures where applicable to ensure:

- a. Collection system inspection on a scheduled basis;
- b. Sewer, catch basin, and regulator cleaning and maintenance on a scheduled basis;

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- c. Inspections are made and preventive maintenance is performed on all pump/lift stations;
- d. Collection system replacement, where necessary;
- e. Detection and elimination of illegal connections;
- f. Detection, prevention, and elimination of dry weather overflows;
- g. That the collection system is operated to maximize storage capacity and the combined sewer portions of the collection system are operated to delay storm entry into the system;
- h. That the treatment and collection systems are operated to maximize treatment and conveyance to treatment plants;
- i. Tide gate maintenance and repair;
- j. Installation of stormwater inflow restrictors; and
- k. All combined sewer overflow locations are inspected at least annually.

The revised O&M Plan shall be presented to the general public at two city-wide public information meetings (one in-person and one virtual) conducted by the within twelve (12) months of the Effective date of this Permit. The Permittee shall submit documentation that the public information meetings were held within fifteen (15) months of the Effective Date of this Permit. Such documentation shall include a summary of all significant issues raised by the public, the Permittee's response to each issue, and two (2) copies of the CSO Operational Plan Checklist and Certification, one (1) with original signatures. Copies of the CSO Operation Plan Checklist and Certification are available online at <http://www.epa.state.il.us/water/permits/waste-water/forms/cso-checklist.pdf>.

Additional Requirements

- 23. Pursuant to Section 301 of the Federal Clean Water Act and 40 CFR § 122.4, discharges from the outfalls listed in this permit shall not cause or contribute to violations of applicable water quality standards or cause use impairment in the receiving waters. Should information become available which indicates the CSO discharges cause violations of applicable water quality standards or cause use impairment, the Permittee shall develop and implement a plan to assess and abate impacts from CSO discharges. This plan may be developed in conjunction with MWRDGC. Two (2) copies of this plan shall be submitted to the IEPA within six (6) months of notification and shall contain a schedule for its implementation and provisions for re-evaluating compliance with applicable standards and regulations after implementation.
- 24. Control of solids and floatable materials in CSOs, according to the minimum standards provided in this Permit; Permittee shall include a Solids and Floatables Program Plan in its Pollution Prevention Plan (as set forth below) including but not limited to street sweeping, solids collection, an analysis of the number of skimmer boats required and a schedule for their use. These strategies shall all be used in combination, as appropriate and feasible, to adequately address floatables and other offensive conditions originating from Chicago CSO discharges. The permittee shall also complete a study to identify the sources of solids and floatables to support the prioritization of activities in the Solid and Floatables Program Plan shall be submitted to IEPA within 18 months from the effective date of this permit.
- 25. Within 24 months of the effective date of this permit, the Permittee shall purchase at least 2 (two) additional skimmer boats and notify IEPA when purchased. The additional skimmer boats shall focus on areas not currently served by the existing skimmer fleet. and floatable collection technologies identified by the Permittee in consultation with Stakeholders, should be deployed as soon as practicable after purchase and should be deployed throughout the life of this permit as determined by Pollution Prevention Plan and/or the Permittee in consultation with Stakeholders.
- 26. Pollution prevention programs that focus on source control activities:
  - a. The Permittee shall continue to implement practicable pollution prevention measures including regular collection of residential solid and recycling, as well as collection of household chemical and computers, street cleaning and public education programs, including continuing and expanding the Space to Grow and tree planting programs. These measures shall include, but not be limited to, continuing to implement a pollution prevention plan, updated to reflect collection system modifications. The most recent Pollution Prevention Plan (PPP) (dated December 2003) shall be reviewed and revised, if necessary, within nine (9) months of the date of reissuance of this permit, to address the items contained in Chapter 8 of the U.S. EPA guidance document, Combined Sewer Overflows, Guidance for Nine Minimum Controls, and any items contained in previously sent review documents from the IEPA concerning the PPP. Combined Sewer Overflows, Guidance for Nine Minimum Controls is available online at



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<http://www.epa.gov/npdes/pubs/owm0030.pdf>.

- b. The Permittee shall include the current or recently revised Pollution Prevention Plan and provide documentation to IEPA that the PPP complies with the requirements of this permit.
  - c. The Permittee shall immediately implement the additional elements of the PPP and shall maintain a current pollution prevention plan, updated to reflect collection system modifications, on file at an acceptable location and made available to the public on their website subject to any security related exemptions or redactions. Any PPP revisions shall be submitted to the IEPA one (1) month from the revision date. The Permittee shall also submit a copy of the PPP and all subsequent updates to MWRDGC.
27. The Permittee shall implement its O&M Plan and shall maintain a current O&M Plan, updated to reflect collection system modifications, on file at the City's Department of Water Management's office and made available to the public on their website subject to any security related exemptions or redactions. The Permittee shall review its O&M Plan from time to time, but at least annually, and revise the plan, where appropriate, employing a process that actively involves the affected communities. The O&M Plan shall be consistent with the MWRDGC CSO O&M Plan and may be developed in cooperation with MWRDGC. As part of these annual reviews, the Permittee shall address any comments that it has received from IEPA and the public on its current or prior O&M Plan. Written responses to all comments shall be made available on the Permittee's website. A copy of the O&M Plan and all subsequent updates shall be submitted to MWRDGC. O&M Plan revisions shall be submitted to the IEPA within one (1) month from the revision date.
28. Public Notification - The Public Notification Program shall include at least the following:
- a. The Permittee shall continue to coordinate with MWRDGC to the extent feasible, which monitors representative CSOs through tide gates, and shall use information provided by MWRDGC to inform the public.
  - b. A public notification program in accordance with Section II.B.8 of the federal CSO Control Policy of 1994 shall be developed and implemented employing a process that actively and effectively informs the affected public. This program may be developed in conjunction with MWRDGC.
  - c. The program shall include at a minimum public notification of CSO occurrences and CSO impacts, shall include mass media notification, and provisions shall be made to include modifications of the program when necessary and notification to any additional affected public.
  - d. Permittee shall provide within the city website, or an alternative communication venue selected for maximum visibility by Permittee in consultation with Stakeholders, a computer link to the MWRDGC's website location where public notification of CSO occurrences is posted, as well as providing the public the opportunity to sign up for automatic (i.e. email or text message) notification of a CSO occurrence. To the extent possible, such automatic notification shall provide the recipient with the location of the particular outfalls at which a CSO discharge has occurred and at what times.
  - e. Permittee shall continue to ensure CSO signs are installed at every outfall and routinely inspect and identify missing/damaged signs with a revised design including a QR Code linking to the permittee's website and the CSO permit number. Content for the signs shall be developed by the Permittee in consultation with Stakeholders.
  - f. Within six (6) months of the effective date of this permit, the Permittee shall develop a plan for a CSO discharge notification system utilizing dynamic signs, flags, lights, or some other on-site notification system in conjunction with Stakeholders. The Permittee shall commence implementation of the plan within eighteen (18) months of the effective date of this permit. This notification system shall be installed at all launch sites accessible to and used by the general public within the City of Chicago on any waterways identified as part of, or tributary to, the Chicago River and the Chicago Area Waterways System, with the cooperation of the launch site owner or operator.
  - g. The program shall be presented to the general public at two (2) city-wide public information meetings (one virtual and one in-person) conducted by the Permittee at locations and times convenient for public attendance, such as weeknights and weekend days. Permittee shall conduct these public information meetings within nine (9) months of the effective date of this Permit. Within twelve (12) months of the Effective Date of this Permit, Permittee shall submit to IEPA documentation that the public information meetings were held, a summary of all significant issues raised by the public and Permittee's response to each issue and shall identify any modifications to the program as a result of the public information meetings. A copy of the public notification program and all subsequent updates shall be submitted to IEPA and MWRDGC and made available to the public on their city website subject to any security related exemptions or redactions.

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- h. Permittee shall review the Public Notification Program Plan on an annual basis and make any needed changes and implementations.

29. Sewer Use Ordinances

The Permittee, within six (6) months of the effective date of this Permit, shall review and where necessary, modify its existing sewer use ordinance to ensure it contains provisions addressing the conditions below. Upon completion of the review of the sewer use ordinance, the Permittee shall submit two (2) copies of a completed Certification of Sewer Use Ordinance Review, one (1) with original signatures. Copies of the certification form can be obtained on line at <http://www.epa.state.il.us/water/permits/waste-water/forms/sewer-use.pdf>. The Permittee shall submit copies of the sewer use ordinance(s) to the IEPA upon written request. Sewer use ordinances must contain specific provisions to:

- a. prohibit introduction of new inflow sources to the sanitary sewer system;
- b. require that new sanitary sewer construction tributary to the combined sewer system be designed to minimize and/or delay inflow contribution to the combined sewer system;
- c. require that stormwater inflow sources to the combined sewer system be connected to a storm sewer, within a reasonable period of time, if a separated storm sewer becomes available;
- d. provide that any new building domestic sewage connection shall be distinct from the building stormwater connection, to facilitate disconnection if a storm sewer becomes available;
- e. assure that CSO impacts from industrial and/or commercial sources are minimized and controlled by determining which industrial and/or commercial discharges are tributary to CSOs and reviewing, and, if necessary, modifying the sewer use ordinance to control pollutants in these discharges; and
- f. assure that the owners of all publicly owned systems with sewers tributary to the Permittee's collection system have procedures in place adequate to ensure that the objectives, mechanisms, and specific procedures given in Paragraph No. 22 are achieved.

The Permittee shall enforce the applicable sewer use ordinances.

30. Excessive I/I

In the event there is excessive infiltration and inflow (I/I) (any wet weather flows exceeding 150 gallons per capita per day (gpcpd) 24-hour average with peak flow not to exceed 100 gpcpd times an allowable peaking factor in accordance with the Illinois Recommended Standards for Sewage Treatment Works) in the separate sewer system that causes or contributes to basement back-ups and/or sanitary sewer overflows, the Permittee shall implement measures in an effort to reduce the excessive I/I. Such additional remedies may include sewer system evaluation studies, sewer rehabilitation or replacement, inflow source removal, and restrictions on the issuance of additional sewer connection permits.

31. Summary of Compliance Dates

The following summarizes the dates that submittals by Permittee to the IEPA contained in the Special Conditions are due (unless otherwise indicated):

Submittal to IEPA	Special Condition / Paragraph	Due Date(s)
Documentation of Permittee and MWRDGC Roles and Responsibilities	SC3 / Paragraph No. 3	9 months from the effective date of this Permit
Submission of CSO Monitoring Data	SC3 / Paragraph No. 6	Quarterly (Jan 15th, April 15th, July 15th, October 15th)
Elimination of a CSO or Discovery of Additional CSO Locations	SC3 / Paragraph No. 9	1 month from discovery or elimination
Study to Evaluate Effectiveness of Existing Monitoring Program	SC3 / Paragraph No. 10	24 months from the effective date of this Permit
Nine Minimum Controls Enhancement Plan Pre-Draft Stakeholder Consultation	SC3 / Paragraph No. 11	120 days from the effective date of this Permit
Implement NMC Enhancement Plan	SC3 / Paragraph No. 11	18 months from the effective date of this Permit

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Change to the CSO discharge sites and/or parameters sampled	SC3 / Paragraph No. 13	1 month in advance of the change
Documentation of CSO Locations	SC3 / Paragraph No. 20	1 year from the effective date of this Permit
Control (or Justification of No Control) of CSOs to Sensitive Areas	SC3 / Paragraph No. 20	3 months from IEPA notification
Submit Schedule for Implementing Operations & Maintenance Plan	SC3 / Paragraph No. 22	90 days from the effective date of this Permit
Conduct OMP Public Information Meeting (no submittal due with this milestone)	SC3 / Paragraph No. 22	12 months from effective date of this Permit
Submit OMP Certification and Information Meeting Summary	SC3 / Paragraph No. 22	15 months from the effective date of this Permit
CSO Abatement Plan	SC3 / Paragraph No. 23	6 months from IEPA notification
Study to Identify the Sources of Solids and Floatables	SC3 / Paragraph No. 24	18 months from the effective date of this Permit
Purchase at least 2 (two) additional skimmer boats	SC3 / Paragraph No. 25	24 months from the effective date of this Permit
Submit Pollution Prevention Plan	SC3 / Paragraph No. 26a	9 months after effective date of this Permit
Develop plan for a notification system	SC3 / Paragraph No. 28f	6 months after effective date of this Permit
Substantial implementation of the notification system plan	SC3 / Paragraph No. 28f	18 months after effective date of this Permit
Conduct PN Public Information Meeting (no submittal due with this milestone)	SC3 / Paragraph No. 28g	9 months from effective date of this Permit
Submit PN Information Meeting Summary	SC3 / Paragraph No. 28g	12 months from the effective date of this Permit
Certification of Sewer Use Ordinance Review	SC3 / Paragraph No. 29	6 months from the effective date of this Permit

Submittals shall be sent electronically to EPA.PrmtSpecCondtns@illinois.gov with "IL0045012 Special Condition 3" as the subject of the email.

### 32. Reopening and Modifying this Permit

The IEPA may initiate a modification for this Permit at any time to include requirements and compliance dates which have been submitted in writing by the Permittee and approved by the IEPA, or other requirements and dates which are necessary to carry out the provisions of the Illinois Environmental Protection Act, the Clean Water Act, or regulations promulgated under those Acts. Public Notice of such modifications and opportunity for public hearing shall be provided.

**SPECIAL CONDITION 4.** The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month. In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated. The Permittee is required to submit electronic DMRs (NetDMRs) instead of mailing paper DMRs to the IEPA unless a waiver has been granted by IEPA. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <https://www2.illinois.gov/epa/topics/water-quality/surface-water/netdmr/pages/quick-answer-guide.aspx>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 25th day of the following month, unless otherwise specified by the permitting authority.

Permittees that have been granted a waiver shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency  
 Division of Water Pollution Control  
 Attention: Compliance Assurance Section, Mail Code # 19  
 1021 North Grand Avenue East  
 Post Office Box 19276  
 Springfield, Illinois 62794-9276

Special Conditions

SPECIAL CONDITION 5. The effluent, 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.

SPECIAL CONDITION 6. This Permit may be modified to include requirements for the Permittee on a continuing basis to evaluate and detail its efforts to effectively control sources of infiltration and inflow into the sewer system and to submit reports to the IEPA if necessary.