

O'Brien (North Side) and Kirie WRPs  
 NPDES Permit Nos. IL0028088 and IL0047741  
 CSO Representative Monitoring and Reporting Plan  
 September 1, 2002  
 Rev. August 22, 2005  
 Rev. December 15, 2008  
 Rev. December 1, 2009  
 Rev. December 1, 2010  
 Rev. October 4, 2011  
 Rev. May 18, 2012  
 Rev. February 1, 2013  
 Rev. August 1, 2014  
 Rev. February 15, 2018

In accordance with Special Conditions (SCs) 8.13 and 14.11 of the O'Brien (North Side) and Kirie National Pollutant Discharge Elimination System (NPDES) Permit Nos. IL0028088 (effective August 1, 2017) and IL0047741 (effective August 1, 2004), the following plan is approved for monitoring the frequency and duration of the discharge from select representative CSO outfalls authorized in the permits for which the Metropolitan Water Reclamation District of Greater Chicago (District) has the ability to monitor through telemetry. These monitored CSO outfalls represent the remaining unmonitored CSO outfalls, so if the monitored outfalls discharge, it is assumed that the associated unmonitored outfalls also discharge.

The 56 CSO outfalls listed below will be monitored as required in SCs 8.13 and 14.11. They include all CSOs for which the District has the ability to monitor through telemetry. This list has been updated to account for multiple outfalls associated with each dropshaft/TARP structure.

The District will document the frequency and duration of CSOs through the outfalls listed below along with an estimate of storm duration and total rainfall for each storm event. Based on this information, the District will estimate CSO volume (MG), BOD5 loading (pounds), and SS loading (pounds) that accounts for all of the CSO outfalls within the District's service area. The District will continue to monitor these designated CSO outfalls at all times unless the telemetry is out of service due to malfunction or routine maintenance. The results of the monitoring will be submitted to the IEPA on a quarterly basis: February 25, May 25, August 25, and November 25.

Receiving Water: North Shore Channel (total: 16)

Discharge No.	TARP Structure	Outfall Location	CSO Outfall Owner(s)
010	TG-M94	Ardmore, (E)	1 – Chicago
002	DS-M97	Pratt Ave., (E)	1 – Chicago
003	DS-M97	North Shore Ave., (E)	1 – Chicago
A13	DS-M101	Mulford St., (E)	1 – Evanston
010	DS-M104E	Main St., (E)	1 – Evanston
009	TG-M105E	Greenleaf St., (E)	1 – Evanston
A07	DS-M107-2	Emerson St., (W)	1 – Evanston
A04	DS-M109S	Green Bay Rd. & McCormick Blvd., (W)	1 – Evanston
105	DS-M100	Howard Street, (W)	1 – MWRD
104	DS-M106E	Lake St., (E)	1 – MWRD
102	DS-M109N	Green Bay & McCormick, (W)	1 – MWRD
101	DS-M114N	(Wilmette PS) Sheridan Rd. (W)	1 – MWRD
005	DS-M104W	Main St., (W)	1 – Skokie
002	DS-M105W	Greenwood & McCormick Blvd., (W)	1 – Skokie
003	DS-M107-1	Emerson, (W)	1 – Skokie
001	DS-M114N-2	Sheridan Rd., (W)	1 – Wilmette

Receiving Water: North Branch Chicago River (total: 30)

<u>Discharge No.</u>	<u>TARP Structure</u>	<u>Outfall Location</u>	<u>CSO Outfall Owner(s)</u>
073	DS-M76	Fullerton, (W)	1 – Chicago
068	DS-M79	Diversey, (W)	1 – Chicago
070	DS-M79	Logan, S of Diversey, (W)	1 – Chicago
067	DS-M80	Leavitt St. (NE), SW of DS-M80	1 – Chicago
065	TG-M81	Western Ave., (NE)	1 – Chicago
064	DS-M82	Belmont Ave., (W)	1 – Chicago
238	DS-M83	Melrose St. & Rockwell St., (W)	1 – Chicago
063	DS-M84	Roscoe St., (W)	1 – Chicago
061	DS-M85	Addison St., (E), (Inside ComEd's property)	1 – Chicago
231	DS-M86	Grace St., (W), N of DS-M86	1 – Chicago
057	DS-M88	Berteau Ave., (W)	1 – Chicago
042	DS-LAT	Lawrence Ave., (W)	1 – Chicago
030	DS-N02	Foster Ave. and Keeler, (W)	1 – Chicago
029	DS-N03	Bryn Mawr and Kilbourn Ave., (N)	1 – Chicago
026	DS-N04	Cicero, S. of Forest Glen, (N)	1 – Chicago
024	DS-N05	Forest Glen Ave., W of Cicero (S)	1 – Chicago
234	DS-N06	Ardmore Ave. (Indian and Ardmore), (W)	1 – Chicago
021	DS-N07	Central Ave., (N), (5900-6100 North)	1 – Chicago
020	DS-N08	Mango Ave. (Ext.), (W) (Leonard & Miltmore)	1 – Chicago
018	DS-N09	Miami Ave., (W) (Indian & Monitor)	1 – Chicago
016	DS-N10A	Wildwood Ave.(Ext.), (E) (Caldwell & Tonty)	1 – Chicago
017	DS-N10B	Imlay St. & Milwaukee Ave., (W)	1 – Chicago
236/008	DS-N13R	Franks and Nieman, (W) (6872 Touhy)	1 – Chicago
107	DS-M90 & DS-M91	North Branch Pump Station <b>(NBPS)</b> (E)	1 – MWRD
002	DS-N19	Dempster and Lincoln, (E)	1 – Morton Grove
009	DS-N11	Forestview Lane & Riverside Dr., (W) (East of Milwaukee)	1 – Niles
010	DS-N12	Caldwell & Touhy Ave., (E) (Harts & Touhy)	1 – Niles
003	DS-N16	Nordica and Dobson, (W)	1 – Niles
002	DS-N17	Cleveland St., E. of Caldwell Ave. (W)	1 – Niles
001	DS-N18	Main St. (Ext), E of Caldwell Ave. (W)	1 – Niles

Receiving Water: Weller Creek (total: 8)

<u>Discharge No.</u>	<u>TARP Structure (Gate)</u>	<u>Outfall Location</u>	<u>CSO Outfall Owner(s)</u>
001	UDP-DS1 (K1) & UDP-DS1A (K1A)	S of Central Rd. Bridge, (N)	1 – Arlington Heights
007	UDP-DS5 (K27) Indirect	E of Columbia and Seegers, (N)	1 – Des Plaines
111	UDP-DS1 (K2-1&K2-2)	S of Central Rd. Bridge, (N)	1 – MWRD
001	UDP-DS3 (K11)	Can-Dota Ave. (extended), (S)	1 – Mt. Prospect
002	UDP-DS3 (K14)	Wa-Pella Ave. (extended), (S)	1 – Mt. Prospect
003	UDP-DS4 (K20)	W of Elmhurst Rd., (N)	1 – Mt. Prospect
004	UDP-DS6 (K22)	William St. Bridge, (N)	1 – Mt. Prospect
NA	None (K3)	S of Lincoln St., (E)	1 – Mt. Prospect

Receiving Water: Feehanville Ditch (total: 2)

<u>Discharge No.</u>	<u>TARP Structure (Gate)</u>	<u>Outfall Location</u>	<u>CSO Outfall Owner(s)</u>
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005	UDP-DS8 (K25-1&K25-2) E of Feehanville Rd., (W)	1 – Mt. Prospect
006	UDP-DS8 (K26) E of Feehanville Rd., (W)	1 – Mt. Prospect

Summary of Monitored CSO Outfalls:

North Shore Channel	16
North Branch of Chicago River	30
Weller Creek	8
Feehanville Ditch	<u>2</u>
Total CSO Outfalls	56