

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET

CHICAGO, ILLINOIS 60611-3154

312.751.5600

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John P. Murray, P.E.

Director of Maintenance and Operations

312.751.5101 f: 312.751.5145

john.murray@mwrdd.org

May 15, 2023

Mr. Darin E. LeCrone, P.E.
Manager, Permit Section
Division of Water Pollution Control
Illinois Environmental Protection Agency
PO Box 19276
Springfield, IL 62794-9276

Subject: Metropolitan Water Reclamation District of Greater Chicago (District)
National Pollutant Discharge Elimination System (NPDES) Permits
Stickney WRP - IL0028053; Calumet WRP - IL0028061; Lemont WRP - IL0028070
O'Brien (North Side) WRP - IL0028088; Kirie WRP - IL0047741
Combined Sewer Overflow Quarterly Report

Dear Mr. LeCrone:

In accordance with Special Conditions (SC) 8.13, 13.13, 14.A and 14.11 of the O'Brien, Calumet, Stickney, Kirie and Lemont WRP NPDES permits, enclosed please find the CSO frequency report for the period of January 1, 2023 through March 31, 2023. Please note that the discharge volumes were estimated using a conservative method which assumes that all rainfall that falls during the period that a tide gate is open, is being discharged to the waterway. This discharge volume was then compared to two boundary conditions: (1) total area rainfall volume and (2) outfall pipe capacity. The minimum of these three values was used as the final discharge volume.

This report documents the following information for those CSOs that discharged during the above referenced quarter:

1. Date, duration, and volume of CSO discharge
2. Duration of storm and total rainfall
3. Estimate of BOD5 and SS discharged through the CSO outfalls
4. Estimate of combined sewage volume, BOD5, and SS captured at the subject WRPs

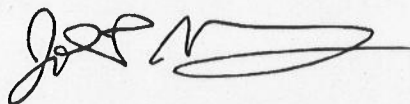
Illinois Environmental Protection Agency

May 15, 2023

This quarterly report satisfies the CSO reporting obligation of those municipalities shown on the enclosed list.

If you have any questions, please call Ms. Ann Ko, Principal Engineer, at 312-751-6553.

Sincerely,

A handwritten signature in black ink, appearing to read "John P. Murray", with a long horizontal flourish extending to the right.

John P. Murray

EJS:JS:AK

Enclosures

c: Catherine Siders, IEPA - Springfield

Jay Patel, IEPA - Des Plaines

Podczzerwinski/Morakalis/Dorigan/Desai/Gronski

Metropolitan Water Reclamation District of Greater Chicago
Combined Sewer Overflow (CSO) Quarterly Report
2023 Represented Municipalities

Village of Wilmette
Village of Lemont
Village of Stickney
Village of Schiller Park
Village of Lyons
Village of Summit
Village of Arlington Heights
Village of Niles
Village of North Riverside
Village of Melrose Park
Village of Forest Park
Village of Morton Grove
Village of River Grove
City of Des Plaines
Village of River Forest
Village of La Grange
Village of Skokie
Village of Brookfield
Village of Lincolnwood
City of Evanston
City of Park Ridge
City of Chicago
Village of Western Springs
Village of Riverside
City of Markham
Village of Golf
Village of Riverdale
Calumet City
City of Blue Island
Village of Phoenix
Village of South Holland
Village of Calumet Park
City of Harvey
Village of Posen
Village of La Grange Park
Village of Lansing
Village of Burnham
Village of Forest View
Village of Dolton
Village of Dixmoor
Village of Mount Prospect

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Arlington Heights	Weller Creek	M	001	UDP-DS1 (K1)	AH001
Arlington Heights	Weller Creek	M	001	UDP-DS1A (K1A)	AH001
Blue Island	CSC	M	002	CDS-7	BI002
Blue Island	CSC	M	003	CDS-8	BI003
Blue Island	CSC	U	004	CDS-9	BI003
Blue Island / Posen	CSC	M	005 / 001	CDS-6	BI005/PO001
Brookfield	SC	M	001	DS-D37,38	BF001
Brookfield	SC	M	003	DS-D40	BF003
Brookfield	SC	M	004	DS-D39,42,46	BF004
Brookfield	SC	M	005	DS-D39,42,46	BF005
Brookfield	SC	M	006	DS-D47,50,51	BF006
Brookfield	SC	M	007	DS-D39,42,46	BF007
Brookfield	SC	M	008	DS-D62	BF008
Brookfield	SC	M	009	DS-D47,50,51	BF009
Brookfield	DPR	U	NP	DS-DA6	BF006
Burnham	GCaIR	M	001	CDS-21	BM001
Burnham	GCaIR	M	002	CDS-22	BM002
Burnham	GCaIR	M	003	CDS-23	BM003
Calumet City	GCaIR	U	001	CDS-24	BM003
Calumet City	LCaIR	M	002	CDS-53	CA002
Calumet City	LCaIR	M	003	CDS-53	CA003

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Monitored</u>	<u>Unmonitored</u>			
Calumet City	LCalR	M		004	CDS-55	CA004
Calumet City	LCalR	M		005	CDS-55	CA005
Calumet City	LCalR	M		006	CDS-55	CA006
Calumet City	LCalR	M		007	CDS-55	CA007
Chicago	NSC	U		001	DS-M98	CG002
Chicago	NSC	M		002	DS-M97	CG002
Chicago	NSC	M		003	DS-M97	CG003
Chicago	NSC	U		004	I-95	CG003
Chicago	NSC	U		005	DS-M96	CG002
Chicago	NSC	U		006	DS-M95	CG010
Chicago	NSC	U		007	I-94	CG010
Chicago	NSC	U		008	I-93	CG010
Chicago	NSC	U		009	I-92	CG010
Chicago	NSC	M		010	TG-M94	CG010
Chicago	NSC	U		011	DS-M93	CG010
Chicago	NSC	U		012	I-91	CG010
Chicago	NSC	U		014	I-89	CG010
Chicago	NBCR	M		016	DS-N10A	CG016
Chicago	NBCR	M		017	DS-N10B	CG017
Chicago	NBCR	M		018	DS-N09	CG018
Chicago	NBCR	U		019	DS-N08	CG020

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Chicago	NBCR	M		020	DS-N08	CG020
Chicago	NBCR	M		021	DS-N07	CG021
Chicago	NBCR	U		023	Indirect (DS-N04)	CG026
Chicago	NBCR	M		024	DS-N05	CG024
Chicago	NBCR	M		026	DS-N04	CG026
Chicago	NBCR	M		029	DS-N03	CG029
Chicago	NBCR	M		030	DS-N02	CG030
Chicago	NBCR	U		035	I-88	CG042
Chicago	NSC	U		038	I-116	CG010
Chicago	NSC	U		039	DS-M99	EV010
Chicago	NBCR	U		040	I-88	CG042
Chicago	NBCR	U		041	I-87	CG042
Chicago	NBCR	M		042	DS-LAT	CG042
Chicago	NBCR	U		043	I-86	MWRD107
Chicago	NBCR	U		044	I-85	CG042
Chicago	NBCR	U		046	I-82	MWRD107
Chicago	NBCR	U		047	I-83	MWRD107
Chicago	NBCR	U		048	I-81	CG057
Chicago	NBCR	U		049	I-80	CG057
Chicago	NBCR	U		050	I-79A	CG057
Chicago	NBCR	U		051	DS-M89	CG057

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>	<u>Monitored</u>			
Chicago	NBCR	U		052	I-78	CG057
Chicago	NBCR	M		057	DS-M88	CG057
Chicago	NBCR	U		058	DS-M87	CG057
Chicago	NBCR	U		059	I-77	CG057
Chicago	NBCR	U		060	Indirect (DS-M90)	CG231
Chicago	NBCR	M		061	DS-M85	CG061
Chicago	NBCR	U		062	I-76	CG061
Chicago	NBCR	M		063	DS-M84	CG063
Chicago	NBCR	M		064	DS-M82	CG064
Chicago	NBCR	M		065	TG-M81	CG065
Chicago	NBCR	M		067	DS-M80	CG067
Chicago	NBCR	M		068	DS-M79	CG068
Chicago	NBCR	U		069	DS-M78	CG070
Chicago	NBCR	M		070	DS-M79	CG070
Chicago	NBCR	U		072	DS-M77	CG073
Chicago	NBCR	M		073	DS-M76	CG073
Chicago	NBCR	M		074	DS-M75	CG074
Chicago	NBCR	U		075	I-75	CG077
Chicago	NBCR	U		076	I-75	CG077
Chicago	NBCR	M		077	DS-M73	CG077
Chicago	NBCR	U		078	I-74	CG077

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		<u>Unmonitored</u>				
Chicago	NBCR	U		079	I-73	CG077
Chicago	NBCR	U		080	I-72	CG077
Chicago	NBCR	U		081	DS-M72	CG082
Chicago	NBCR	M		082	TG-M71	CG082
Chicago	NBCR	M		083	DS-M70	CG083
Chicago	NBCR	M		084	DS-M66	CG084
Chicago	NBCR	U		085	DS-M69	CG084
Chicago	NBCR	U		086	I-71	CG083
Chicago	NBCR	U		087	I-70	CG084
Chicago	NBCR	U		088	DS-M65	CG092
Chicago	NBCR	U		090	DS-M67R	CG092
Chicago	NBCR	U		091	I-68B	CG092
Chicago	NBCR	M		092	DS-M64	CG092
Chicago	NBCR	U		093	DS-M64	CG092
Chicago	NBCR	U		094	I-68A	CG092
Chicago	NBCR	U		095	DS-M63	CG092
Chicago	NBCR	U		096	I-67	CG092
Chicago	NBCR	U		097	I-66	CG103
Chicago	NBCR	U		098	I-65(A&B)	CG103
Chicago	NBCR	U		099	I-64	CG103
Chicago	NBCR	U		100	I-63	CG103

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored/Or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Chicago	NBCR	U		101	I-62	CG103
Chicago	NBCR	M		103	DS-M61A	CG103
Chicago	CR	U		104	DS-M59	CG106
Chicago	CR	U		105	DS-M60	CG106
Chicago	CR	M		106	TG-M60	CG106
Chicago	CR	M		107	DS-M55	CG107
Chicago	CR	U		109	I-59	CG107
Chicago	CR	U		110	I-58	CG107
Chicago	CR	U		111	I-56	CG107
Chicago	CR	U		112	I-55	CG107
Chicago	CR	U		113	I-54	CG107
Chicago	CR	U		114	I-53	CG107
Chicago	CR	U		115	I-52	CG107
Chicago	CR	U		116	I-51	CG107
Chicago	CR	U		117	I-49 & I-50	CG107
Chicago	CR	U		118	I-48	CG107
Chicago	CR	U		119	I-47A & I-47B	CG107
Chicago	CR	U		120	I-46	CG107
Chicago	CR	M		121	DS-M54	CG121
Chicago	SBCR	U		123	I-44 & I-45	CG129
Chicago	SBCR	U		124	I-44	CG129

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Monitored</u>	<u>Unmonitored</u>			
Chicago	SBCR	M		125	Indirect (TG-M53)	CG125
Chicago	SBCR	U		126	I-42	CG129
Chicago	SBCR	U		127	I-41	CG129
Chicago	SBCR	U		128	I-39	CG129
Chicago	SBCR	M		129	DS-M52	CG129
Chicago	SBCR	U		130	I-38	CG129
Chicago	SBCR	U		131	I-35	CG129
Chicago	SBCR	M		132	DS-M51	CG132
Chicago	SBCR	U		133	I-33	CG132
Chicago	SBCR	M		134	TG-I32	CG134
Chicago	SBCR	M		136	TG-I28 & I29	CG136
Chicago	SBCR	U		137	DS-M50	CG134
Chicago	SBCR	M		138	DS-M49	CG138
Chicago	SBCR	M		140	DS-M47	CG140
Chicago	SBCR	U		141	DS-M46	CG143
Chicago	SBCR	M		143	DS-M45	CG143
Chicago	SBCR	U		144	DS-M44	CG143
Chicago	SBCR	U		145	DS-M43	CG143
Chicago	SBCR	U		146	I-25	CG143
Chicago	SBCR	U		147	DS-M42	CG143
Chicago	SBCR	U		148	I-24	CG151

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Chicago	SBCR	U	149	I-23	CG151
Chicago	SBCR	U	150	Indirect (DS-M41)	CG151
Chicago	SBCR	M	151	DS-M41	CG151
Chicago	SBCR	U	152	I-123	CG151
Chicago	SBCR	U	153	I-21	CG151
Chicago	SBCR	M	154	DS-M40	CG154
Chicago	SBCR	U	155	DS-M39	CG154
Chicago	SBCR	M	156	DS-M38	CG156
Chicago	SBCR	U	157	DS-M37	CG156
Chicago	SBCR	U	158	I-20	CG156
Chicago	SBCR	U	159	I-19	CG156
Chicago	SBCR	U	160	I-18	CG156
Chicago	SBCR	U	163	I-15	CG166
Chicago	SBCR	U	165	DS-M36	CG166
Chicago	SBCR	M	166	DS-M35	CG166
Chicago	SBCR	U	167	DS-M34	CG166
Chicago	SBCR	M	168	DS-M25	CG168
Chicago	SBCR	U	169	DS-M23	CG168
Chicago	SBCR	U	170	DS-M23	CG168
Chicago	CSSC	M	172	TG-M22	CG172
Chicago	CSSC	M	173	DS-M21	CG173

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Chicago	CSSC	M	174	DS-M20	CG174
Chicago	CSSC	M	176	DS-M19	CG176
Chicago	CC	M	178	TG-112	CG178
Chicago	CSSC	U	179	DS-M18	CG180
Chicago	CSSC	M	180	DS-M17	CG180
Chicago	CSSC	U	181	I-10	CG184
Chicago	CSSC	M	182	TG-M16	CG182
Chicago	CSSC	M	183	TG-19	CG183
Chicago	CSSC	M	184	TG-18	CG184
Chicago	CSSC	M	185	DS-M15	CG185
Chicago	CSSC	M	186	TG-15	CG186
Chicago	CSSC	M	187	DS-M12	CG187
Chicago	CSSC	M	188	DS-M08	CG188
Chicago	CSSC	M	189	TG-NASH	CG189
Chicago	SFSBCR	U	190	DS-M33	CG194
Chicago	SFSBCR	U	191	DS-M32	CG194
Chicago	SFSBCR	U	192	DS-M31	CG194
Chicago	SFSBCR	U	193	DS-M31	CG194
Chicago	SFSBCR	M	194	DS-M30	CG194
Chicago	SFSBCR	U	195	I-119	CG194
Chicago	SFSBCR	U	196	I-117	CG198

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Monitored</u>	<u>Unmonitored</u>			
Chicago	SFSBCR	M		198	DS-M26	CG198
Chicago	CaIR	M		206	CDS-20	CG206
Chicago	LCaIR	U		209	CI-9	CG239
Chicago	LCaIR	M		210	CDS-15-5	CG210
Chicago	LCaIR	M		211	CDS-14	CG211
Chicago	LCaIR	U		214	CI-8	RV002
Chicago	LCaIR	U		215	CI-7	RV002
Chicago	LCaIR	U		216	CI-6	RV002
Chicago	DPR	M		226	DS-D10	CG226
Chicago	DPR	M		227	DS-D11	CG227
Chicago	NBCR	U		230	DS-M67R	CG092
Chicago	NBCR	M		231	DS-M86	CG231
Chicago	NSC	U		233	DS-M92	CG010
Chicago	NBCR	M		234	DS-N06	CG234
Chicago	NBCR	U		235	DS-N01	CG030
Chicago	NBCR	U		237	I-67	CG092
Chicago	NBCR	M		238	DS-M83	CG238
Chicago	LCaIR	M		239	CDS-16	CG239
Chicago	LCaIR	M		241	CDS-12	CG241
Chicago / Calumet Park	CSC	M		218/001	CDS-10	CG218
Chicago / Niles	NBCR	U		NP	DS-N15	NI003

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Des Plaines	DPR	M		001	DS-D01	DP001
Des Plaines	DPR	U		002	DS-D02	PR005
Des Plaines	DPR	U		003	DS-D02	PR005
Des Plaines	DPR	U		004	DS-D03R	DP005
Des Plaines	DPR	M		005	DS-D03R	DP005
Des Plaines	DPR	U		006	None	
Des Plaines	Weller Creek	M		007	Indirect (UDP-DS5) (K27)	DP007
Dixmoor	LCalR	M		001	CDS-39	DM001
Dolton	LCalR	M		001	CDS-17	DT001
Dolton	LCalR	M		002	CDS-18	DT002
Dolton	LCalR	M		003	CDS-51	DT003
Evanston	NSC	U		003	I-109	MWRD102
Evanston	NSC	U		004	DS-M110	MWRD102
Evanston	NSC	U		005	DS-M106W	EVA07 (DS-M107-2)
Evanston	NSC	U		006	DS-M107-2	SK003 (DS-M107-1)
Evanston	NSC	M		009	TG-M105E	EV009
Evanston	NSC	M		010	DS-M104E	EV010
Evanston	NSC	U		011	DS-M103	SK005 (DS-M104W)
Evanston	NSC	U		012	DS-M102	SK005 (DS-M104W)
Evanston	NSC	U		013	DS-M101	EVA13
Evanston	NSC	M		A04	DS-M109S	EVA04

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Evanston	NSC	U	A06	DS-M108	SK003 (DS-M107-1)
Evanston	NSC	M	A07	DS-M107-2	EVA07
Evanston	NSC	U	A08	DS-M106E	SK002 (DS-M105W)
Evanston	NSC	U	A10	DS-M104E	EV010
Evanston	NSC	M	A13	DS-M101	EVA13
Evanston	NSC	U	NP	I-108	MWRD102
Forest Park	DPR	M	001	DS-D30,28	FP001
Forest Park	DPR	M	002	DS-D28	FP002
Forest View	CSSC	U	001	DS-M07	CG189
Franklin Park	DPR	M	001	DS-D13	FK001
Franklin Park	DPR	U	003	DS-D14	FK004
Franklin Park	DPR	M	004	DS-D14	FK004
Golf	WF-NBCR	U	001	Indirect (DS-N20)	MG002
Harvey	LCalR	M	001	CDS-41	HV001
Harvey	LCalR	M	002	CDS-41	HV002
Harvey	LCalR	M	003	CDS-42	HV003
Harvey	LCalR	M	004	CDS-43	HV004
Harvey	LCalR	M	005	CDS-43	HV005
Harvey	LCalR	M	006	CDS-45	HV006
Harvey	LCalR	M	007	CDS-45	HV007
LaGrange	SC	M	001	DS-D47,50,51 & DS-13A-LG001	

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

Owner	Waterway	Monitored or		Outfall #	IARP Connection	Representative Outfall
		Monitored	Unmonitored			
LaGrange Park	SC	U	U	001	DS-13A-53	LP003
LaGrange Park	SC	U	U	002	DS-13A-53	LP003
LaGrange Park	SC	M	M	003	DS-D37,38	LP003
LaGrange Park	SC	U	U	004	DS-13A-54	LP003
LaGrange Park	SC	U	U	005	DS-13A-54	LP003
LaGrange Park	SC	U	U	006	DS-13A-54	LP003
Lansing / Calumet City	L CalIR	M	M	002 / 005	CDS-55	LS002
Lemont	I&M Canal	U	U	002	None	
Lemont	CSSC	U	U	003	None	
Lincolnwood	NSC	U	U	002	I-96	CG003
Lyons	DPR	M	M	001	DS-D49	LY001
Lyons	DPR	M	M	002	DS-D48	LY002
Lyons	DPR	M	M	003	DS-13A-4 (TG137)	LY003
Markham	CUDD	M	M	001	CDS-57	MH001
Maywood	DPR	M	M	001	DS-D22,24,25	MW002
Maywood	DPR	M	M	002	DS-D22,24,25	MW002
Maywood	DPR	M	M	003	DS-D21,25	MW003
Maywood	DPR	M	M	004	DS-D27I	MW004
Maywood	DPR	M	M	005	DS-D27I	MW005
Maywood	DPR	M	M	006	DS-D31	MW006
Maywood	DPR	M	M	007	DS-D32	MW007

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

Owner	Waterway	Monitored or		Outfall #	TARP Connection	Representative Outfall
		Monitored	Unmonitored			
Maywood	DPR	M		008	DS-D33	MW008
Maywood	DPR	M		NP	DS-D22,24,25	MW NP (DS-D22, 24, 25)
Maywood	DPR	M		NP	DS-D21,25	MW NP (DS-D21,25)
Maywood	DPR	M		NP	DS-D21,25	MW NP (DS-D21, 25)
Maywood	DPR	M		NP	DS-D27I	MW NP (DS-D27I)
Maywood	DPR	M		NP	DS-D31	MW NP (DS-D31)
Melrose Park	DPR	M		001	DS-D52	MP001
Methodist Campground	DPR	U		NP	DS-D02	PR005
Morton Grove	NBCR	U		001	DS-N20	MG002
Morton Grove	NBCR	M		002	DS-N19	MG002
Mt. Prospect	Weller Creek	M		001	UDP-DS3 (K11)	MP001
Mt. Prospect	Weller Creek	M		002	UDP-DS3 (K14)	MP002
Mt. Prospect	Weller Creek	M		003	UDP-DS4 (K20)	MP003
Mt. Prospect	Weller Creek	M		004	UDP-DS6 (K22)	MP004
Mt. Prospect	Feehanville Ditch	M		005	UDP-DS8 (K25-1&K25-2)	MP005
Mt. Prospect	Feehanville Ditch	M		006	UDP-DS8 (K26)	MP006
Mt. Prospect	Weller Creek	M		NP	None (K3)	MP None (K3)
MWRD	CSSC	M		002	None	MWRD002
MWRD	LCalR	M		004	TARP Outfall	MWRD004
MWRD	CSC	M		006	Indirect	
MWRD	CSC	M		007	Indirect	

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

Owner	Waterway	Monitored or		Outfall #	TARP Connection	Representative Outfall
		Unmonitored				
MWRD	North Creek	U*		010	see note below	
MWRD	NSC	M		101	DS-M114N	MWRD101
MWRD	NSC	M		102	DS-M109N	MWRD102
MWRD	NSC	U		103	DS-M108	SK003 (DS-M107-1)
MWRD	NSC	M		104	DS-M106E	MWRD104
MWRD	NSC	M		105	DS-M100	MWRD105
MWRD	NBCR	M		107	DS-M90 & DS-M91 (NBP MWRD107	
MWRD	DPR	U		109	Indirect (DS-D03R)	DP001
MWRD	NSC	U		110	I-102	SK005 (DS-M104W)
MWRD	Weller Creek	M		111	UDP-DS1 (K2-1&K2-2)	MWRD111
MWRD	DPR	M		131	DS-D07	MWRD131
MWRD	DPR	M		132	DS-D08	MWRD132
MWRD	DPR	M		133	DS-D09	MWRD133
MWRD	DPR	M		134	DS-D19,23	MWRD134
MWRD	DPR	M		135	DS-D63	MWRD135
MWRD	DPR	U		136	DS-D34-DI	MW008
MWRD	SFSBCR	M		142	DS-M27, DS-M28, & DS-MMWRD142	
MWRD	CSSC	M		143	DS-M13	MWRD143
MWRD	CSSC	M		144	DS-M10	MWRD144
MWRD	CSSC	M		145	DS-M09	MWRD145
MWRD	CSSC	M		146	TG-13A	MWRD146

*CSO monitored by field staff

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored_or</u>		<u>TARP_Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>	<u>Outfall#</u>		
MWRD	CSSC	M	147	DS-M03	MWRD147
MWRD	CSSC	U	148	DS-M01	MWRD147
MWRD	CSSC	U	149	DS-M02	MWRD147
MWRD	Addison Creek	M	150	DS-Q34-AI	MWRD150
MWRD	CaIR	M	151	cds34	MWRD151
MWRD	CaIR	M	152	CDS-28	MWRD152
MWRD	LCaIR	M	153	CDS-13	MWRD153
MWRD	CSC	M	154	CDS-11	MWRD154
MWRD	CSC	M	157	CDS-2	MWRD157
MWRD	CSC	M	158	18E:PS	MWRD158
MWRD	CSC	M	163	CDS-4	MWRD163
MWRD / Blue Island	CSC	M	156 / 001	CDS-5	MWRD156
MWRD / Lincolnwood	NSC	U	106 / 001	1-97	CG003
Niles	NBCR	M	001	DS-N18	NI001
Niles	NBCR	M	002	DS-N17	NI002
Niles	NBCR	M	003	DS-N16	NI003
Niles	NBCR	U	006	DS-N15	NI003
Niles	NBCR	U	007	DS-N15	NI003
Niles	NBCR	M	009	DS-N11	NI090
Niles	NBCR	M	010	DS-N12	NI010

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored Or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Niles	NBCR	U	NP	Indirect (DS-N16)	NI003
Niles / Chicago	NBCR	M	008 / 236	DS-N13R	CG236
North Riverside	DPR	M	001	DS-D36	NR001
North Riverside	DPR	M	002	DS-D35	NR002
Park Ridge	DPR	M	002	DS-D05	PR002
Park Ridge	DPR	M	003	DS-D06	PR003
Park Ridge	DPR	M	004	DS-D07	PR004
Park Ridge	DPR	M	005	DS-D02	PR005
Park Ridge	DPR	M	006	DS-D05	PR006
Park Ridge	DPR	M	007	DS-D06	PR007
Park Ridge	DPR	M	008	DS-D07	PR008
Phoenix	LCaIR	M	001	CDS-45	PO001
River Forest	DPR	M	003	DS-D26	RF003
River Forest	DPR	M	004	DS-D29,64	RF004
River Grove	DPR	M	002	DS-D16	RG002
River Grove	DPR	M	003	DS-D17	RG003
River Grove	DPR	M	004	DS-D17	RG004
River Grove	DPR	M	005	DS-D18	RG005
River Grove	DPR	M	006	DS-D20I	RG006
River Grove / Franklin Park	DPR	M	001 / 002	DS-D15	FK002
Riverdale	LCaIR	M	002	CDS-15-1	RV002

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		Monitored	Unmonitored			
Riverdale	LCalR	M		003	CDS-15-2	RV003
Riverdale	LCalR	M		004	CDS-42	RV004
Riverdale	LCalR	M		005	CDS-15-4	RV005
Riverdale	LCalR	U		NP	CDS-15	RV003
Riverdale	LCalR	M		NP	CDS-15-3	RV NP (CDS-15-3)
Riverside	DPR	U		007	None	
Riverside	DPR	M		010	DS-D44,45	RS010
Riverside	DPR	M		011	DS-D44,45	RS011
Riverside	DPR	M		012	DS-D41	RS012
Riverside	DPR	M		013	DS-D66	RS013
Riverside	DPR	M		NP	DS-D44,45	RS NP (DS-D44, 45)
Riverside	DPR	U		NP	None	
Robbins	CSC	U		NP	CI-3	BI005/PO001
Robbins	CSC	U		NP	CI-2	BI005/PO001
Robbins	CSC	U		NP	CI-1	BI005/PO001
Schiller Park	DPR	M		001	DS-D12I	SL001
Skokie	NSC	U		001	I-99	EV010
Skokie	NSC	M		002	DS-M105W	SK002
Skokie	NSC	M		003	DS-M107-1	SK003
Skokie	NSC	U		004	I-104	SK002 (DS-M105W)
Skokie	NSC	M		005	DS-M104W	SK005 (DS-M104W)

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Skokie	NSC	U		NP	DS-M100	EV010
South Holland	LCaIR	M		001	CDS-C-1	SH001
South Holland	LCaIR	M		002	CDS-C-1	SH002
South Holland	LCaIR	M		003	CDS-48	SH003
South Holland	LCaIR	M		004	CDS-45	SH004
South Holland	LCaIR	M		005	Indirect (CDS-47)	SH003
South Holland	CUDD	U		NP	Indirect (CDS-47)	MH001
South Holland	LCaIR	M		NP	CDS-45	SH NP (CDS-45)
Stickney	CSSC	M		001	DS-M09	ST001
Summit	CSSC	U		001	DS-M5B	MWRD146
Summit	CSSC	M		002	TG-M05	SU002
Summit	CSSC	U		003	Indirect (DS-M03)	MWRD147
Western Springs	SC	U		001	DS-13A-55	LP003
Western Springs	SC	U		002	DS-13A-56	LP003
Wilmette	NSC	M		001	DS-M114N-2	WM001
Wilmette	NSC	U		002	DS-M113	MWRD101

January-March 2023 KIRIE WRP CSO EVENTS & VOLUME ESTIMATES															
Overflow Data			Storm Information						MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)						
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
Indirect (UDP-DSS) (K27)	ALL	02/22/2023 21:35:13	02/22/2023 22:02:14	23.02	02/22/2023 08:10:00	02/23/2023 05:30:00	1,980.00	1.05	446	228,663	12,716,380	361,594	228,663	128	762
Indirect (UDP-DSS) (K27)	ALL	03/31/2023 19:05:46	3/31/2023 20:03	57.75	03/30/2023 17:00:00	3/31/2023 22:30	1,770.00	1.44	446	569,003	17,439,607	907,256	569,003	318	1,896
UDP-DS+ (K20)	ALL	03/31/2023 18:37:28	3/31/2023 18:41	4.08	03/30/2023 17:00:00	3/31/2023 22:30	1,770.00	1.44	502	45,284	19,629,333	n/a	45,284	25	151
TOTAL											842,950	470	2,809		

Note: Discharge through K20 on March 31, 2023, was not able to be quantified using pipe capacity calculation.

January-March 2023 LEMONT WRP CSO EVENTS & VOLUME ESTIMATES													
Overflow Data						Storm Information							
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS		
										Rain Calc	Pipe Capacity Calc	BOD (Lbs)	SS (Lbs)
NO CSOs													

SUMMARY: TOTAL CSO VOLUME ESTIMATE, January 2023 - March 2023					
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)	
January	48,600	0.05	27	162	
February	649,463	0.65	362	2,165	
March	614,287	0.61	343	2,047	
TOTAL	1,312,350	1.31	732	4,212	

Mainstream January-March 2023				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
January	48,600	0.05	27	162
February	420,800	0.42	235	1,402
March	0	0.00	0	0
TOTAL	469,400	0.469	262	1,564

Callumet January-March 2023				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
January	0	0	0	0
February	0	0	0	0
March	0	0	0	0
TOTAL	0	0	0	0

Upper Des Plaines January-March 2023				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
January	0	0	0	0
February	228,663	0.23	128	762
March	614,287	0.61	343	2,047
TOTAL	842,950	0.84	470	2,809

RAINFALL SUMMARY: January 2023 - March 2023

Start Date	Start Time	Stop Date	Stop Time	Duration (hr:min)	Total Rainfall Average (in)
1/3/2023	1:00 AM	1/3/2023	9:50 PM	20:50	0.79
1/18/2023	7:18 PM	1/20/2023	3:30 AM	32:12	0.38
2/9/2023	2:00 AM	2/9/2023	10:20 PM	20:20	0.78
2/14/2023	6:55 PM	2/15/2023	6:30 AM	11:35	0.21
2/22/2023	8:10 AM	2/23/2023	5:30 AM	21:20	0.87
2/27/2023	3:50 AM	2/27/2023	10:05 PM	18:15	0.87
3/16/2023	1:00 PM	3/17/2023	6:20 AM	17:20	0.22
3/22/2023	6:15 PM	3/23/2023	11:05 AM	16:50	0.26
3/24/2023	9:00 PM	3/25/2023	9:35 AM	12:35	0.43
3/31/2023	5:00 PM	3/31/2023	10:30 PM	5:30	0.39

MONTHLY PLANT CAPTURE - 1ST QTR 2023

	Flow (MG)			BOD (lbs)			SS (lbs)		
	January	February	March	January	February	March	January	February	March
O'Brien	6,417	7,112	7,936	5,084,189	4,211,300	5,096,340	8,134,703	7,532,888	10,126,495
Stickney	19,902	22,652	24,955	37,711,265	24,351,489	46,890,495	55,521,206	29,546,725	63,686,158
Calumet	6,324	7,588	8,835	4,113,888	4,999,430	4,715,770	7,594,871	6,391,676	5,673,660
Kirie	1,023	1,450	1,438	1,006,755	1,245,923	959,700	1,134,732	1,584,620	1,403,562
Lemont	78	90	96	115,050	76,221	84,956	142,843	85,935	109,802
TOTAL:	33,744	38,892	43,261	48,031,148	34,884,362	57,747,262	72,528,355	45,141,845	80,999,677

Plant month	O'Brien			Stickney			Calumet			Kirie			Lemont		
	January	February	March	January	February	March	January	February	March	January	February	March	January	February	March
days	31	28	31	31	28	31	31	28	31	31	28	31	31	28	31
flow	207	254	256	642	809	805	285	271	285	33	46	46	3	3	3
month total flow	6,417	7,112	7,936	19,902	22,652	24,955	8,835	7,588	8,835	1,023	1,450	1,438	78	90	96
bod infl	99	75	81	234	134	232	69	86	69	119	104	81	187	115	113
bod eff	4	4	4	7	5	7	5	6	7	5	1	1	1	9	13
bod capture	5,084,189	4,211,300	5,096,340	37,711,265	24,351,489	46,890,495	4,715,770	4,999,430	4,715,770	1,006,755	1,245,923	959,700	115,050	76,221	84,956
ss infl	158	132	158	340	161	311	82	108	82	134	133	119	228	126	142
ss eff	6	5	5	5	5	5	5	7	5	1	2	2	7	11	5
ss capture	8,134,703	7,532,888	10,126,495	55,521,206	29,546,725	63,686,158	6,391,676	6,391,676	5,673,660	1,134,732	1,584,620	1,403,562	142,843	85,935	109,802

January 2023 O'BRIEN (NORTH SIDE) WRP CSO EVENTS & VOLUME ESTIMATES																
Overflow Data					Storm Information											
DS #	TC #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall-North (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs																
										Total Volume (gal)						

January 2023 STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES

DS #	TG #	Overflow Data		Storm Information				Total Volume (gal)								
		Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
WCPS	ALL	01/03/2023 05:15:00	01/03/2023 05:30:00	15.00										48,600	27	162
TOTAL																
														48,600	27	162

JANUARY 2023 CALLUMET WRP CSO EVENTS & VOLUME ESTIMATES															
DS #	TG#	Overflow Data			Storm Information				MONITORED ULTIMATE MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
		Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (Inches)							

NO CSOs

February 2023 O'BRIEN (NORTH SIDE) WRP CSO EVENTS & VOLUME ESTIMATES

DS #	TG #	Overflow Data		Storm Information		Total Rainfall		Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE	Rational Equation	Rain Calc	Plot Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)	
		Start Date & Time	Stop Date & Time	Start Date & Time	Stop Date & Time	North (Inches)	South (Inches)									

NO CSOs

February 2023 STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES															
Overflow Data			Storm Information						MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)						
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (Inches)	Area (Acres)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
W/CFS	ALL	02/09/2023 08:22:00	02/09/2023 08:24:00	2.00									32,000	18	107
W/CFS	ALL	02/22/2023 12:00:00	02/22/2023 18:52:00	412.00									81,000	45	270
W/CFS	ALL	02/27/2023 07:57:00	02/27/2023 14:52:00	415.00									307,800	172	1,026
TOTAL													420,800	235	1,402

February 2023 CALUMET WRP CSO EVENTS & VOLUME ESTIMATES

DS #	TG #	Overflow Data		Storm Information					MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
		Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)							
NO CSOs															

March 2023 O'BRIEN (NORTH SIDE) WRP CSO EVENTS & VOLUME ESTIMATES																
Overflow Data			Storm Information			ESTIMATED VOLUME WITH BOUNDARY CONDITIONS										
DS #	TC #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall-North (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	BOD (Lbs)	SS (Lbs)	

NO CSOs

March 2023 STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES																
Overflow Data			Storm Information													
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)	

NO CSOs

March 2023 CALUMET WRP CSO EVENTS & VOLUME ESTIMATES

Overflow Data				Storm Information					MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)			ESTIMATED VOLUME WITH BOUNDARY CONDITIONS		
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	Rational Equation	Rain Calc	Pipe Capacity Calc	BOD (Lbs)	SS (Lbs)

NO CSOs

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET

CHICAGO, ILLINOIS 60611-3154

312.751.5600

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John P. Murray, P.E.

Director of Maintenance and Operations

312.751.5101 f. 312.751.5145

john.murray@mwr.org

August 15, 2023

Mr. Darin E. LeCrone, P.E.
Manager, Permit Section
Division of Water Pollution Control
Illinois Environmental Protection Agency
PO Box 19276
Springfield, IL 62794-9276

Subject: Metropolitan Water Reclamation District of Greater Chicago (District)
National Pollutant Discharge Elimination System (NPDES) Permits
Stickney WRP - IL0028053; Calumet WRP - IL0028061; Lemont WRP - IL0028070
O'Brien (North Side) WRP - IL0028088; Kirie WRP - IL0047741
Combined Sewer Overflow Quarterly Report

Dear Mr. LeCrone:

In accordance with Special Conditions (SC) 8.13, 13.13, 14.A and 14.11 of the O'Brien, Calumet, Stickney, Kirie and Lemont WRP NPDES permits, enclosed please find the CSO frequency report for the period of April 1, 2023 through June 30, 2023. Please note that the discharge volumes were estimated using a conservative method which assumes that all rainfall that falls during the period that a tide gate is open, is being discharged to the waterway. This discharge volume was then compared to two boundary conditions: (1) total area rainfall volume and (2) outfall pipe capacity. The minimum of these three values was used as the final discharge volume.

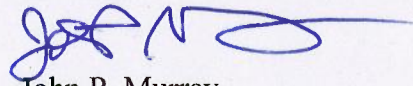
This report documents the following information for those CSOs that discharged during the above referenced quarter:

1. Date, duration, and volume of CSO discharge
2. Duration of storm and total rainfall
3. Estimate of BOD5 and SS discharged through the CSO outfalls
4. Estimate of combined sewage volume, BOD5, and SS captured at the subject WRPs

This quarterly report satisfies the CSO reporting obligation of those municipalities shown on the enclosed list.

If you have any questions, please call Ms. Ann Ko, Principal Engineer, at 312-751-6553.

Sincerely,



John P. Murray

EJS:JS:AK

Enclosures

c: Catherine Siders, IEPA - Springfield

Jay Patel, IEPA - Des Plaines

Podczerwinski/Morakalis/Dorigan/Desai/Gronski

Metropolitan Water Reclamation District of Greater Chicago
Combined Sewer Overflow (CSO) Quarterly Report
2023 Represented Municipalities

Village of Wilmette
Village of Lemont
Village of Stickney
Village of Schiller Park
Village of Lyons
Village of Summit
Village of Arlington Heights
Village of Niles
Village of North Riverside
Village of Melrose Park
Village of Forest Park
Village of Morton Grove
Village of River Grove
City of Des Plaines
Village of River Forest
Village of La Grange
Village of Skokie
Village of Brookfield
Village of Lincolnwood
City of Evanston
City of Park Ridge
City of Chicago
Village of Western Springs
Village of Riverside
City of Markham
Village of Golf
Village of Riverdale
Calumet City
City of Blue Island
Village of Phoenix
Village of South Holland
Village of Calumet Park
City of Harvey
Village of Posen
Village of La Grange Park
Village of Lansing
Village of Burnham
Village of Forest View
Village of Dolton
Village of Dixmoor
Village of Mount Prospect

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored_Lor</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Monitored</u>	<u>Unmonitored</u>			
Arlington Heights	Weller Creek	M		001	UDP-DS1 (K1)	AH001
Arlington Heights	Weller Creek	M		001	UDP-DS1A (K1A)	AH001
Blue Island	CSC	M		002	CDS-7	BI002
Blue Island	CSC	M		003	CDS-8	BI003
Blue Island	CSC	U		004	CDS-9	BI003
Blue Island / Posen	CSC	M		005 / 001	CDS-6	BI005/PO001
Brookfield	SC	M		001	DS-D37,38	BF001
Brookfield	SC	M		003	DS-D40	BF003
Brookfield	SC	M		004	DS-D39,42,46	BF004
Brookfield	SC	M		005	DS-D39,42,46	BF005
Brookfield	SC	M		006	DS-D47,50,51	BF006
Brookfield	SC	M		007	DS-D39,42,46	BF007
Brookfield	SC	M		008	DS-D62	BF008
Brookfield	SC	M		009	DS-D47,50,51	BF009
Brookfield	DPR	U		NP	DS-DA6	BF006
Burnham	GCaIR	M		001	CDS-21	BM001
Burnham	GCaIR	M		002	CDS-22	BM002
Burnham	GCaIR	M		003	CDS-23	BM003
Calumet City	GCaIR	U		001	CDS-24	BM003
Calumet City	LCaIR	M		002	CDS-53	CA002
Calumet City	LCaIR	M		003	CDS-53	CA003

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Calumet City	LCalR	M		004	CDS-55	CA004
Calumet City	LCalR	M		005	CDS-55	CA005
Calumet City	LCalR	M		006	CDS-55	CA006
Calumet City	LCalR	M		007	CDS-55	CA007
Chicago	NSC	U		001	DS-M98	CG002
Chicago	NSC	M		002	DS-M97	CG002
Chicago	NSC	M		003	DS-M97	CG003
Chicago	NSC	U		004	I-95	CG003
Chicago	NSC	U		005	DS-M96	CG002
Chicago	NSC	U		006	DS-M95	CG010
Chicago	NSC	U		007	I-94	CG010
Chicago	NSC	U		008	I-93	CG010
Chicago	NSC	U		009	I-92	CG010
Chicago	NSC	M		010	TG-M94	CG010
Chicago	NSC	U		011	DS-M93	CG010
Chicago	NSC	U		012	I-91	CG010
Chicago	NSC	U		014	I-89	CG010
Chicago	NBCR	M		016	DS-N10A	CG016
Chicago	NBCR	M		017	DS-N10B	CG017
Chicago	NBCR	M		018	DS-N09	CG018
Chicago	NBCR	U		019	DS-N08	CG020

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Monitored</u>	<u>Unmonitored</u>			
Chicago	NBCR	M		020	DS-N08	CG020
Chicago	NBCR	M		021	DS-N07	CG021
Chicago	NBCR	U		023	Indirect (DS-N04)	CG026
Chicago	NBCR	M		024	DS-N05	CG024
Chicago	NBCR	M		026	DS-N04	CG026
Chicago	NBCR	M		029	DS-N03	CG029
Chicago	NBCR	M		030	DS-N02	CG030
Chicago	NBCR	U		035	I-88	CG042
Chicago	NSC	U		038	I-116	CG010
Chicago	NSC	U		039	DS-M99	EV010
Chicago	NBCR	U		040	I-88	CG042
Chicago	NBCR	U		041	I-87	CG042
Chicago	NBCR	M		042	DS-LAT	CG042
Chicago	NBCR	U		043	I-86	MWRD107
Chicago	NBCR	U		044	I-85	CG042
Chicago	NBCR	U		046	I-82	MWRD107
Chicago	NBCR	U		047	I-83	MWRD107
Chicago	NBCR	U		048	I-81	CG057
Chicago	NBCR	U		049	I-80	CG057
Chicago	NBCR	U		050	I-79A	CG057
Chicago	NBCR	U		051	DS-M89	CG057

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Chicago	NBCR	U		052	I-78	CG057
Chicago	NBCR	M		057	DS-M88	CG057
Chicago	NBCR	U		058	DS-M87	CG057
Chicago	NBCR	U		059	I-77	CG057
Chicago	NBCR	U		060	Indirect (DS-M90)	CG231
Chicago	NBCR	M		061	DS-M85	CG061
Chicago	NBCR	U		062	I-76	CG061
Chicago	NBCR	M		063	DS-M84	CG063
Chicago	NBCR	M		064	DS-M82	CG064
Chicago	NBCR	M		065	TG-M81	CG065
Chicago	NBCR	M		067	DS-M80	CG067
Chicago	NBCR	M		068	DS-M79	CG068
Chicago	NBCR	U		069	DS-M78	CG070
Chicago	NBCR	M		070	DS-M79	CG070
Chicago	NBCR	U		072	DS-M77	CG073
Chicago	NBCR	M		073	DS-M76	CG073
Chicago	NBCR	M		074	DS-M75	CG074
Chicago	NBCR	U		075	I-75	CG077
Chicago	NBCR	U		076	I-75	CG077
Chicago	NBCR	M		077	DS-M73	CG077
Chicago	NBCR	U		078	I-74	CG077

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored_or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Chicago	NBCR	U		079	I-73	CG077
Chicago	NBCR	U		080	I-72	CG077
Chicago	NBCR	U		081	DS-M72	CG082
Chicago	NBCR	M		082	TG-M71	CG082
Chicago	NBCR	M		083	DS-M70	CG083
Chicago	NBCR	M		084	DS-M66	CG084
Chicago	NBCR	U		085	DS-M69	CG084
Chicago	NBCR	U		086	I-71	CG083
Chicago	NBCR	U		087	I-70	CG084
Chicago	NBCR	U		088	DS-M65	CG092
Chicago	NBCR	U		090	DS-M67R	CG092
Chicago	NBCR	U		091	I-68B	CG092
Chicago	NBCR	M		092	DS-M64	CG092
Chicago	NBCR	U		093	DS-M64	CG092
Chicago	NBCR	U		094	I-68A	CG092
Chicago	NBCR	U		095	DS-M63	CG092
Chicago	NBCR	U		096	I-67	CG092
Chicago	NBCR	U		097	I-66	CG103
Chicago	NBCR	U		098	I-65(A&B)	CG103
Chicago	NBCR	U		099	I-64	CG103
Chicago	NBCR	U		100	I-63	CG103

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Chicago	NBCR	U		101	I-62	CG103
Chicago	NBCR	M		103	DS-M61A	CG103
Chicago	CR	U		104	DS-M59	CG106
Chicago	CR	U		105	DS-M60	CG106
Chicago	CR	M		106	TG-M60	CG106
Chicago	CR	M		107	DS-M55	CG107
Chicago	CR	U		109	I-59	CG107
Chicago	CR	U		110	I-58	CG107
Chicago	CR	U		111	I-56	CG107
Chicago	CR	U		112	I-55	CG107
Chicago	CR	U		113	I-54	CG107
Chicago	CR	U		114	I-53	CG107
Chicago	CR	U		115	I-52	CG107
Chicago	CR	U		116	I-51	CG107
Chicago	CR	U		117	I-49 & I-50	CG107
Chicago	CR	U		118	I-48	CG107
Chicago	CR	U		119	I-47A & I-47B	CG107
Chicago	CR	U		120	I-46	CG107
Chicago	CR	M		121	DS-M54	CG121
Chicago	SBCR	U		123	I-44 & I-45	CG129
Chicago	SBCR	U		124	I-44	CG129

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Monitored</u>	<u>Unmonitored</u>			
Chicago	SBCR	M		125	Indirect (TG-M53)	CG125
Chicago	SBCR	U		126	I-42	CG129
Chicago	SBCR	U		127	I-41	CG129
Chicago	SBCR	U		128	I-39	CG129
Chicago	SBCR	M		129	DS-M52	CG129
Chicago	SBCR	U		130	I-38	CG129
Chicago	SBCR	U		131	I-35	CG129
Chicago	SBCR	M		132	DS-M51	CG132
Chicago	SBCR	U		133	I-33	CG132
Chicago	SBCR	M		134	TG-I32	CG134
Chicago	SBCR	M		136	TG-I28 & I29	CG136
Chicago	SBCR	U		137	DS-M50	CG134
Chicago	SBCR	M		138	DS-M49	CG138
Chicago	SBCR	M		140	DS-M47	CG140
Chicago	SBCR	U		141	DS-M46	CG143
Chicago	SBCR	M		143	DS-M45	CG143
Chicago	SBCR	U		144	DS-M44	CG143
Chicago	SBCR	U		145	DS-M43	CG143
Chicago	SBCR	U		146	I-25	CG143
Chicago	SBCR	U		147	DS-M42	CG143
Chicago	SBCR	U		148	I-24	CG151

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

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		<u>Unmonitored</u>				
Chicago	SBCR	U		149	I-23	CG151
Chicago	SBCR	U		150	Indirect (DS-M41)	CG151
Chicago	SBCR	M		151	DS-M41	CG151
Chicago	SBCR	U		152	I-123	CG151
Chicago	SBCR	U		153	I-21	CG151
Chicago	SBCR	M		154	DS-M40	CG154
Chicago	SBCR	U		155	DS-M39	CG154
Chicago	SBCR	M		156	DS-M38	CG156
Chicago	SBCR	U		157	DS-M37	CG156
Chicago	SBCR	U		158	I-20	CG156
Chicago	SBCR	U		159	I-19	CG156
Chicago	SBCR	U		160	I-18	CG156
Chicago	SBCR	U		163	I-15	CG166
Chicago	SBCR	U		165	DS-M36	CG166
Chicago	SBCR	M		166	DS-M35	CG166
Chicago	SBCR	U		167	DS-M34	CG166
Chicago	SBCR	M		168	DS-M25	CG168
Chicago	SBCR	U		169	DS-M23	CG168
Chicago	SBCR	U		170	DS-M23	CG168
Chicago	CSSC	M		172	TG-M22	CG172
Chicago	CSSC	M		173	DS-M21	CG173

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored_or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Chicago	CSSC	M		174	DS-M20	CG174
Chicago	CSSC	M		176	DS-M19	CG176
Chicago	CC	M		178	TG-I12	CG178
Chicago	CSSC	U		179	DS-M18	CG180
Chicago	CSSC	M		180	DS-M17	CG180
Chicago	CSSC	U		181	I-10	CG184
Chicago	CSSC	M		182	TG-M16	CG182
Chicago	CSSC	M		183	TG-I9	CG183
Chicago	CSSC	M		184	TG-I8	CG184
Chicago	CSSC	M		185	DS-M15	CG185
Chicago	CSSC	M		186	TG-I5	CG186
Chicago	CSSC	M		187	DS-M12	CG187
Chicago	CSSC	M		188	DS-M08	CG188
Chicago	CSSC	M		189	TG-NASH	CG189
Chicago	SFSBCR	U		190	DS-M33	CG194
Chicago	SFSBCR	U		191	DS-M32	CG194
Chicago	SFSBCR	U		192	DS-M31	CG194
Chicago	SFSBCR	U		193	DS-M31	CG194
Chicago	SFSBCR	M		194	DS-M30	CG194
Chicago	SFSBCR	U		195	I-119	CG194
Chicago	SFSBCR	U		196	I-117	CG198

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

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		<u>Monitored</u>	<u>Unmonitored</u>			
Chicago	SFSBCR	M		198	DS-M26	CG198
Chicago	CaIR	M		206	CDS-20	CG206
Chicago	LCaIR	U		209	CI-9	CG239
Chicago	LCaIR	M		210	CDS-15-5	CG210
Chicago	LCaIR	M		211	CDS-14	CG211
Chicago	LCaIR	U		214	CI-8	RV002
Chicago	LCaIR	U		215	CI-7	RV002
Chicago	LCaIR	U		216	CI-6	RV002
Chicago	DPR	M		226	DS-D10	CG226
Chicago	DPR	M		227	DS-D11	CG227
Chicago	NBCR	U		230	DS-M67R	CG092
Chicago	NBCR	M		231	DS-M86	CG231
Chicago	NSC	U		233	DS-M92	CG010
Chicago	NBCR	M		234	DS-N06	CG234
Chicago	NBCR	U		235	DS-N01	CG030
Chicago	NBCR	U		237	I-67	CG092
Chicago	NBCR	M		238	DS-M83	CG238
Chicago	LCaIR	M		239	CDS-16	CG239
Chicago	LCaIR	M		241	CDS-12	CG241
Chicago / Calumet Park	CSC	M		218/001	CDS-10	CG218
Chicago / Niles	NBCR	U		NP	DS-N15	NI003

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

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		<u>Monitored</u>	<u>Unmonitored</u>			
Des Plaines	DPR	M		001	DS-D01	DP001
Des Plaines	DPR	U		002	DS-D02	PR005
Des Plaines	DPR	U		003	DS-D02	PR005
Des Plaines	DPR	U		004	DS-D03R	DP005
Des Plaines	DPR	M		005	DS-D03R	DP005
Des Plaines	DPR	U		006	None	
Des Plaines	Weller Creek	M		007	Indirect (UDP-DS5) (K27)	DP007
Dixmoor	LCalR	M		001	CDS-39	DM001
Dolton	LCalR	M		001	CDS-17	DT001
Dolton	LCalR	M		002	CDS-18	DT002
Dolton	LCalR	M		003	CDS-51	DT003
Evanston	NSC	U		003	I-109	MWRD102
Evanston	NSC	U		004	DS-M110	MWRD102
Evanston	NSC	U		005	DS-M106W	EVA07 (DS-M107-2)
Evanston	NSC	U		006	DS-M107-2	SK003 (DS-M107-1)
Evanston	NSC	M		009	TG-M105E	EV009
Evanston	NSC	M		010	DS-M104E	EV010
Evanston	NSC	U		011	DS-M103	SK005 (DS-M104W)
Evanston	NSC	U		012	DS-M102	SK005 (DS-M104W)
Evanston	NSC	U		013	DS-M101	EVA13
Evanston	NSC	M		A04	DS-M109S	EVA04

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

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		<u>Unmonitored</u>				
Evanston	NSC	U		A06	DS-M108	SK003 (DS-M107-1)
Evanston	NSC	M		A07	DS-M107-2	EVA07
Evanston	NSC	U		A08	DS-M106E	SK002 (DS-M105W)
Evanston	NSC	U		A10	DS-M104E	EV010
Evanston	NSC	M		A13	DS-M101	EVA13
Evanston	NSC	U		NP	I-108	MWRD102
Forest Park	DPR	M		001	DS-D30,28	FP001
Forest Park	DPR	M		002	DS-D28	FP002
Forest View	CSSC	U		001	DS-M07	CG189
Franklin Park	DPR	M		001	DS-D13	FK001
Franklin Park	DPR	U		003	DS-D14	FK004
Franklin Park	DPR	M		004	DS-D14	FK004
Golf	WF-NBCR	U		001	Indirect (DS-N20)	MG002
Harvey	LCalR	M		001	CDS-41	HV001
Harvey	LCalR	M		002	CDS-41	HV002
Harvey	LCalR	M		003	CDS-42	HV003
Harvey	LCalR	M		004	CDS-43	HV004
Harvey	LCalR	M		005	CDS-43	HV005
Harvey	LCalR	M		006	CDS-45	HV006
Harvey	LCalR	M		007	CDS-45	HV007
LaGrange	SC	M		001	DS-D47,50,51 & DS-13A-LG001	

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		<u>Monitored</u>	<u>Unmonitored</u>			
LaGrange Park	SC		U	001	DS-13A-53	LP003
LaGrange Park	SC		U	002	DS-13A-53	LP003
LaGrange Park	SC		M	003	DS-D37,38	LP003
LaGrange Park	SC		U	004	DS-13A-54	LP003
LaGrange Park	SC		U	005	DS-13A-54	LP003
LaGrange Park	SC		U	006	DS-13A-54	LP003
Lansing / Calumet City	LCalR		M	002 / 005	CDS-55	LS002
Lemont	I&M Canal		U	002	None	
Lemont	CSSC		U	003	None	
Lincolnwood	NSC		U	002	I-96	CG003
Lyons	DPR		M	001	DS-D49	LY001
Lyons	DPR		M	002	DS-D48	LY002
Lyons	DPR		M	003	DS-13A-4 (TG137)	LY003
Markham	CUDD		M	001	CDS-57	MH001
Maywood	DPR		M	001	DS-D22,24,25	MW002
Maywood	DPR		M	002	DS-D22,24,25	MW002
Maywood	DPR		M	003	DS-D21,25	MW003
Maywood	DPR		M	004	DS-D271	MW004
Maywood	DPR		M	005	DS-D271	MW005
Maywood	DPR		M	006	DS-D31	MW006
Maywood	DPR		M	007	DS-D32	MW007

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

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		<u>Monitored</u>	<u>Unmonitored</u>			
Maywood	DPR	M		008	DS-D33	MW008
Maywood	DPR	M		NP	DS-D22,24,25	MW NP (DS-D22, 24, 25)
Maywood	DPR	M		NP	DS-D21,25	MW NP (DS-D21,25)
Maywood	DPR	M		NP	DS-D21,25	MW NP (DS-D21, 25)
Maywood	DPR	M		NP	DS-D271	MW NP (DS-D271)
Maywood	DPR	M		NP	DS-D31	MW NP (DS-D31)
Melrose Park	DPR	M		001	DS-D52	MP001
Methodist Campground	DPR	U		NP	DS-D02	PR005
Morton Grove	NBCR	U		001	DS-N20	MG002
Morton Grove	NBCR	M		002	DS-N19	MG002
Mt. Prospect	Weller Creek	M		001	UDP-DS3 (K11)	MP001
Mt. Prospect	Weller Creek	M		002	UDP-DS3 (K14)	MP002
Mt. Prospect	Weller Creek	M		003	UDP-DS4 (K20)	MP003
Mt. Prospect	Weller Creek	M		004	UDP-DS6 (K22)	MP004
Mt. Prospect	Feehanville Ditch	M		005	UDP-DS8 (K25-1&K25-2)	MP005
Mt. Prospect	Feehanville Ditch	M		006	UDP-DS8 (K26)	MP006
Mt. Prospect	Weller Creek	M		NP	None (K3)	MP None (K3)
MWRD	CSSC	M		002	None	MWRD002
MWRD	LCalR	M		004	TARP Outfall	MWRD004
MWRD	CSC	U*		006	Indirect	
MWRD	CSC	U*		007	Indirect	

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

Owner	Waterway	Monitored_or		Outfall #	TARP Connection	Representative Outfall
		Monitored	Unmonitored			
MWRD	NSC	M		101	DS-M114N	MWRD101
MWRD	NSC	M		102	DS-M109N	MWRD102
MWRD	NSC	U		103	DS-M108	SK003 (DS-M107-1)
MWRD	NSC	M		104	DS-M106E	MWRD104
MWRD	NSC	M		105	DS-M100	MWRD105
MWRD	NBCR	M		107	DS-M90 & DS-M91 (NBP MWRD107	
MWRD	DPR	U		109	Indirect (DS-D03R)	DP001
MWRD	NSC	U		110	I-102	SK005 (DS-M104W)
MWRD	Weller Creek	M		111	UDP-DS1 (K2-1&K2-2)	MWRD111
MWRD	DPR	M		131	DS-D07	MWRD131
MWRD	DPR	M		132	DS-D08	MWRD132
MWRD	DPR	M		133	DS-D09	MWRD133
MWRD	DPR	M		134	DS-D19,23	MWRD134
MWRD	DPR	M		135	DS-D63	MWRD135
MWRD	DPR	U		136	DS-D34-DI	MW008
MWRD	SFSBCR	M		142	DS-M27,DS-M28,& DS-MMWRD142	
MWRD	CSSC	M		143	DS-M13	MWRD143
MWRD	CSSC	M		144	DS-M10	MWRD144
MWRD	CSSC	M		145	DS-M09	MWRD145
MWRD	CSSC	M		146	TG-13A	MWRD146

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Monitored</u>	<u>Unmonitored</u>			
MWRD	CSSC	M		147	DS-M03	MWRD147
MWRD	CSSC	U		148	DS-M01	MWRD147
MWRD	CSSC	U		149	DS-M02	MWRD147
MWRD	Addison Creek	M		150	DS-D34-AI	MWRD150
MWRD	CaIR	M		151	cds34	MWRD151
MWRD	CaIR	M		152	CDS-28	MWRD152
MWRD	LCaIR	M		153	CDS-13	MWRD153
MWRD	CSC	M		154	CDS-11	MWRD154
MWRD	CSC	M		157	CDS-2	MWRD157
MWRD	CSC	M		158	18E PS	MWRD158
MWRD	CSC	U*		160	Indirect	
MWRD	CSC	M		163	CDS-4	MWRD163
MWRD / Blue Island	CSC	M		156 / 001	CDS-5	MWRD156
MWRD / Lincolnwood	NSC	U		106 / 001	I-97	CG003
Niles	NBCR	M		001	DS-N18	NI001
Niles	NBCR	M		002	DS-N17	NI002
Niles	NBCR	M		003	DS-N16	NI003
Niles	NBCR	U		006	DS-N15	NI003
Niles	NBCR	U		007	DS-N15	NI003
Niles	NBCR	M		009	DS-N11	NI090
Niles	NBCR	M		010	DS-N12	NI010

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Monitored</u>	<u>Unmonitored</u>			
Niles	NBCR	U		NP	Indirect (DS-N16)	NI003
Niles / Chicago	NBCR	M		008 / 236	DS-N13R	CG236
North Riverside	DPR	M		001	DS-D36	NR001
North Riverside	DPR	M		002	DS-D35	NR002
Park Ridge	DPR	M		002	DS-D05	PR002
Park Ridge	DPR	M		003	DS-D06	PR003
Park Ridge	DPR	M		004	DS-D07	PR004
Park Ridge	DPR	M		005	DS-D02	PR005
Park Ridge	DPR	M		006	DS-D05	PR006
Park Ridge	DPR	M		007	DS-D06	PR007
Park Ridge	DPR	M		008	DS-D07	PR008
Phoenix	LCaIR	M		001	CDS-45	PO001
River Forest	DPR	M		003	DS-D26	RF003
River Forest	DPR	M		004	DS-D29,64	RF004
River Grove	DPR	M		002	DS-D16	RG002
River Grove	DPR	M		003	DS-D17	RG003
River Grove	DPR	M		004	DS-D17	RG004
River Grove	DPR	M		005	DS-D18	RG005
River Grove	DPR	M		006	DS-D20I	RG006
River Grove / Franklin Park	DPR	M		001 / 002	DS-D15	FK002
Riverdale	LCaIR	M		002	CDS-15-1	RV002

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Monitored</u>	<u>Unmonitored</u>			
Riverdale	LCaIR	M		003	CDS-15-2	RV003
Riverdale	LCaIR	M		004	CDS-42	RV004
Riverdale	LCaIR	M		005	CDS-15-4	RV005
Riverdale	LCaIR	U		NP	CDS-15	RV003
Riverdale	LCaIR	M		NP	CDS-15-3	RV NP (CDS-15-3)
Riverside	DPR	U		007	None	
Riverside	DPR	M		010	DS-D44,45	RS010
Riverside	DPR	M		011	DS-D44,45	RS011
Riverside	DPR	M		012	DS-D41	RS012
Riverside	DPR	M		013	DS-D66	RS013
Riverside	DPR	M		NP	DS-D44,45	RS NP (DS-D44, 45)
Riverside	DPR	U		NP	None	
Robbins	CSC	U		NP	CI-3	BI005/PO001
Robbins	CSC	U		NP	CI-2	BI005/PO001
Robbins	CSC	U		NP	CI-1	BI005/PO001
Schiller Park	DPR	M		001	DS-D12I	SL001
Skokie	NSC	U		001	I-99	EV010
Skokie	NSC	M		002	DS-M105W	SK002
Skokie	NSC	M		003	DS-M107-1	SK003
Skokie	NSC	U		004	I-104	SK002 (DS-M105W)
Skokie	NSC	M		005	DS-M104W	SK005 (DS-M104W)

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Skokie	NSC	U		NP	DS-M100	EV010
South Holland	LCaIR	M		001	CDS-C-1	SH001
South Holland	LCaIR	M		002	CDS-C-1	SH002
South Holland	LCaIR	M		003	CDS-48	SH003
South Holland	LCaIR	M		004	CDS-45	SH004
South Holland	LCaIR	M		005	Indirect (CDS-47)	SH003
South Holland	CUDD	U		NP	Indirect (CDS-47)	MH001
South Holland	LCaIR	M		NP	CDS-45	SH NP (CDS-45)
Stickney	CSSC	M		001	DS-M09	ST001
Summit	CSSC	U		001	DS-M5B	MWRD146
Summit	CSSC	M		002	TG-M05	SU002
Summit	CSSC	U		003	Indirect (DS-M03)	MWRD147
Western Springs	SC	U		001	DS-13A-55	LP003
Western Springs	SC	U		002	DS-13A-56	LP003
Wilmette	NSC	M		001	DS-M114N-2	WM001
Wilmette	NSC	U		002	DS-M113	MWRD101

April 2023 O'BRIEN (NORTH SIDE) WRP CSO EVENTS & VOLUME ESTIMATES																			
Overflow Data				Storm Information				Total Volume (gal)											
DS #	TC #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall-North (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)			
NO CSOs																			
TOTAL												0	0	0	0	0	0	0	0

April 2023 STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES																										
Overflow Data				Storm Information				Total Volume (gal)																		
DS #	TC #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)										
NO CSOs																										
TOTAL												0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

May 2023 O'BRIEN (NORTH SIDE) WRP CSO EVENTS & VOLUME ESTIMATES														
DS #	TG #	Overflow Data		Storm Information			MONITORED OUTFALL		Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
		Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Duration (min)	Estimated Storm						

NO CSOs

May 2023 STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES																	
Overflow Data			Storm Information														
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Regional Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)	

NO CSOs

May 2023 CALLUMET WRP CSO EVENTS & VOLUME ESTIMATES															
Overflow Data				Storm Information											
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (GFS)	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS				
										Regional Equation	Rain Calc	Pipe Capacity Calc	BOD (Lbs)	SS (Lbs)	
NO CSOs															
TOTAL															
										0	0	0	0	0	0

June 2023 O'BRIEN (NORTH SIDE) WRP CSO EVENTS & VOLUME ESTIMATES																	
DS #	TG #	Overflow Data			Storm Information			Estimated Storm Duration (min)	Total Rainfall-North (inches)	Area (acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
		Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)										
DSM10ME	TG1	06/13/2022 16:53:26	06/13/2022 19:01:18	7.87	06/13/2022 03:30:00	06/13/2022 23:00:00	1179	0.61	1179	1907.60	131.307	19,529,133	6,735,797	131,307	73	438	
TOTAL													131,307	73	438		

June 2023 STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES															
Overflow Data			Storm Information					MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)							
DS #	TC #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
DSD18	TG1	06/13/2022 18:59:18	06/13/2022 19:47:46	48.47	06/13/2022 03:30:00	06/13/2022 23:00:00	1170.00	3.67	293	170,550	4,117,142	3,045,665	170,550	95	568
TOTAL										170,550	4,117,142	3,045,665	170,550	95	568

June 2023 CALLUMET WRP CSO EVENTS & VOLUME ESTIMATES																
Overflow Data							Storm Information									
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs														0	0	0
TOTAL														0	0	0

April-June 2023 KIRIE WRP CSO EVENTS & VOLUME ESTIMATES												
DS #	TG #	Overflow Date			Storm Information			MONITORED OUTFALL PERFORMANCE DURATION (CEFS)		ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
		Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)			
NO CSOs										0.00	0.00	0.00
TOTAL										0.00	0.00	0.00

April-June 2023 LEMONT WRP CSO EVENTS & VOLUME ESTIMATES														
DS #	TG #	Overflow Data			Storm Information			MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
		Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Step Date & Time	Estimated Storm Duration (min)							

NO CSOs

SUMMARY: TOTAL CSO VOLUME ESTIMATE, April 2023 - June 2023

Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
April	0	0.00	0	0
May	0	0.00	0	0
June	301,857	0.30	168	1,006
TOTAL	301,857	0.30	168	1,006

Mainstream April-June 2023				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
April	0	0.00	0	0
May	0	0.00	0	0
June	301,857	0.30	168	1,006
TOTAL	301,857	0.30	168	1,006

Calumet April-June 2023				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
TOTAL	0	0	0	0

Upper Des Plaines April-June 2023				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
TOTAL	0	0	0	0

MONTHLY PLANT CAPTURE - 1ST QTR 2023

	Flow (MG)			BOD (lbs)			SS (lbs)		
	April	May	June	April	May	June	April	May	June
O'Brien	6,600	5,394	5,220	4,953,960	4,048,736	4,266,410	8,531,820	9,042,178	8,988,169
Stickney	18,510	14,601	15,240	35,984,440	26,095,812	19,446,545	65,485,196	42,315,888	26,881,988
Calumet	7,860	4,991	4,470	5,506,402	7,076,240	6,449,405	6,883,002	14,152,480	7,493,240
Kirie	1,386	797	714	1,236,839	857,138	1,125,450	2,566,151	1,176,073	1,286,228
Lemont	75	65	57	66,303	168,310	95,076	76,311	167,767	118,845
TOTAL:	34,431	25,848	25,701	47,747,943	38,246,236	31,382,886	83,542,481	66,854,385	44,748,470

Plant	O'Brien			Stickney			Calumet			Kite			Lemont		
	April	May	June	April	May	June	April	May	June	April	May	June	April	May	June
month	30	31	30	30	31	30	30	31	30	30	31	30	30	31	30
days	220	174	174	617	471	508	262	161	149	24	26	24	3	3	2
flow	6,600	5,394	5,220	18,510	14,601	15,240	7,860	4,991	4,470	714	797	714	79	65	57
month total flow	95	95	103	241	220	160	90	178	181	191	131	191	117	318	210
bood infl	5	5	5	8	6	7	6	8	8	2	2	2	11	8	10
bood eff	4,953,960	4,048,736	4,266,410	35,984,440	26,095,812	19,446,545	5,506,402	7,076,240	6,449,405	1,236,639	857,138	1,125,450	66,303	168,310	95,076
ss infl	160	205	209	428	353	218	110	345	205	224	179	218	130	315	260
ss eff	5	4	3	4	5	6	5	5	4	2	2	2	8	6	10
ss capture	8,531,820	9,042,178	8,968,169	65,485,196	42,315,888	26,881,988	6,883,002	14,152,480	7,493,240	2,566,151	1,176,073	1,286,228	76,311	167,767	118,845

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET

CHICAGO, ILLINOIS 60611-3154

312.751.5600

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John P. Murray, P.E.

Director of Maintenance and Operations

312.751.5101 f. 312.751.5145

john.murray@mwrdd.org

November 15, 2023

Mr. Darin E. LeCrone, P.E.
Manager, Permit Section
Division of Water Pollution Control
Illinois Environmental Protection Agency
PO Box 19276
Springfield, IL 62794-9276

Subject: Metropolitan Water Reclamation District of Greater Chicago (District)
National Pollutant Discharge Elimination System (NPDES) Permits
Stickney WRP - IL0028053; Calumet WRP - IL0028061; Lemont WRP IL0028070
O'Brien (North Side) WRP - IL0028088; Kirie WRP - IL0047741
Combined Sewer Overflow Quarterly Report

Dear Mr. LeCrone:

In accordance with Special Conditions (SC) 8.13, 13.13, 14.A and 14.11 of the O'Brien, Calumet, Stickney, Kirie and Lemont WRP NPDES permits, enclosed please find the CSO frequency report for the period of July 1, 2023 through September 30, 2023. Please note that the discharge volumes were estimated using a conservative method which assumes that all rainfall that falls during the period that a tide gate is open, is being discharged to the waterway. This discharge volume was then compared to two boundary conditions: (1) total area rainfall volume and (2) outfall pipe capacity. The minimum of these three values was used as the final discharge volume.

This report documents the following information for those CSOs that discharged during the above referenced quarter:

1. Date, duration, and volume of CSO discharge
2. Duration of storm and total rainfall
3. Estimate of BOD5 and SS discharged through the CSO outfalls
4. Estimate of combined sewage volume, BOD5, and SS captured at the subject WRPs

Mr. Darin LeCrone, P.E.

Page 2 of 2

November 15, 2023

This quarterly report satisfies the CSO reporting obligation of those municipalities shown on the enclosed list.

If you have any questions, please call Ms. Ann Ko, Principal Engineer, at 312-751-6553.

Sincerely,

A handwritten signature in blue ink that reads "John P. Murray" followed by a stylized monogram or initials.

John P. Murray

EJS:JS:AK

Enclosures

c: Catherine Siders, IEPA - Springfield

Jay Patel, IEPA - Des Plaines

Podczerwinski/Morakalis/Dorigan/Desai/Gronski

Metropolitan Water Reclamation District of Greater Chicago
Combined Sewer Overflow (CSO) Quarterly Report
2023 Represented Municipalities

Village of Wilmette
Village of Lemont
Village of Stickney
Village of Schiller Park
Village of Lyons
Village of Summit
Village of Arlington Heights
Village of Niles
Village of North Riverside
Village of Melrose Park
Village of Forest Park
Village of Morton Grove
Village of River Grove
City of Des Plaines
Village of River Forest
Village of La Grange
Village of Skokie
Village of Brookfield
Village of Lincolnwood
City of Evanston
City of Park Ridge
City of Chicago
Village of Western Springs
Village of Riverside
City of Markham
Village of Golf
Village of Riverdale
Calumet City
City of Blue Island
Village of Phoenix
Village of South Holland
Village of Calumet Park
City of Harvey
Village of Posen
Village of La Grange Park
Village of Lansing
Village of Burnham
Village of Forest View
Village of Dolton
Village of Dixmoor
Village of Mount Prospect

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>8.eD.r♦ nstLYe. 0 utfall</u>
Arlington Heights	Weller Creek	M	001	UDP-DS1 (K1)	AH001
Arlington Heights	Weller Creek	M	001	UDP-DS1A (K1A)	AH001
Blue Island	'b'Á	M	002	CDS-7	BI002
Blue Island	'b'Á	M	003	CDS-8	BI003
Blue Island	'b'Á	U	004	CDS-9	81003
Blue Island/ Posen	'b'Á	M	005 / 001	CDS-6	BI005/P0001
Brookfield	SC	M	001	DS-O37,38	BF001
Brookfield	SC	M	003	DS-O40	BF003
Brookfield	SC	M	004	DS-O39,42,46	BF004
Brookfield	SC	M	005	DS-O39,42,46	BF005
Brookfield	SC	M	006	DS-O47,50,51	BF006
Brookfield	SC	M	007	DS-O39,42,46	BF007
Brookfield	SC	M	008	DS-O62	BF008
Brookfield	SC	M	009	DS-O47,50,51	BF009
Brookfield	DPR	U	NP	DS-DA6	BF006
Burnham	GCaIR	M	001	CDS-21	BM001
Burnham	GCaIR	M	002	CDS-22	BM002
Burnham	GCaIR	M	003	CDS-23	BM003
Calumet City	GCaIR	U	001	CDS-24	BM003
Calumet City	LCaIR	M	002	CDS-53	CA002
Calumet City	LCaIR	M	003	CDS-53	CA003

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Calumet City	LCaIR	M		004	CDS-55	CA004
Calumet City	LCaIR	M		005	CDS-55	CA005
Calumet City	LCaIR	M		006	CDS-55	CA006
Calumet City	LCaIR	M		007	CDS-55	CA007
Chicago	NSC	U		001	DS-M98	CG002
Chicago	NSC	M		002	DS-M97	CG002
Chicago	NSC	M		003	DS-M97	CG003
Chicago	NSC	U		004	I-95	CG003
Chicago	NSC	U		005	DS-M96	CG002
Chicago	NSC	U		006	DS-M95	CG010
Chicago	NSC	U		007	I-94	CG010
Chicago	NSC	U		008	I-93	CG010
Chicago	NSC	U		009	I-92	CG010
Chicago	NSC	M		010	TG-M94	CG010
Chicago	NSC	U		011	DS-M93	CG010
Chicago	NSC	U		012	I-91	CG010
Chicago	NSC	U		014	I-89	CG010
Chicago	NBCR	M		016	DS-N10A	CG016
Chicago	NBCR	M		017	DS-N10B	CG017
Chicago	NBCR	M		018	DS-N09	CG018
Chicago	NBCR	U		019	DS-N08	CG020

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored_or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Chicago	NBCR	M	020	DS-N08	CG020
Chicago	NBCR	M	021	DS-N07	CG021
Chicago	NBCR	U	023	Indirect (DS-N04)	CG026
Chicago	NBCR	M	024	DS-N05	CG024
Chicago	NBCR	M	026	DS-N04	CG026
Chicago	NBCR	M	029	DS-N03	CG029
Chicago	NBCR	M	030	DS-N02	CG030
Chicago	NBCR	U	035	I-88	CG042
Chicago	NSC	U	038	I-116	CG010
Chicago	NSC	U	039	DS-M99	EV010
Chicago	NBCR	U	040	I-88	CG042
Chicago	NBCR	U	041	I-87	CG042
Chicago	NBCR	M	042	DS-LAT	CG042
Chicago	NBCR	U	043	I-86	MWRD107
Chicago	NBCR	U	044	I-85	CG042
Chicago	NBCR	U	046	I-82	MWRD107
Chicago	NBCR	U	047	I-83	MWRD107
Chicago	NBCR	U	048	I-81	CG057
Chicago	NBCR	U	049	I-80	CG057
Chicago	NBCR	U	050	I-79A	CG057
Chicago	NBCR	U	051	DS-M89	CG057

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored_or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Monitored</u>	<u>Unmonitored</u>			
Chicago	NBCR	U		052	I-78	CG057
Chicago	NBCR	M		057	DS-M88	CG057
Chicago	NBCR	U		058	DS-M87	CG057
Chicago	NBCR	U		059	I-77	CG057
Chicago	NBCR	U		060	Indirect (DS-M90)	CG231
Chicago	NBCR	M		061	DS-M85	CG061
Chicago	NBCR	U		062	I-76	CG061
Chicago	NBCR	M		063	DS-M84	CG063
Chicago	NBCR	M		064	DS-M82	CG064
Chicago	NBCR	M		065	TG-M81	CG065
Chicago	NBCR	M		067	DS-M80	CG067
Chicago	NBCR	M		068	DS-M79	CG068
Chicago	NBCR	U		069	DS-M78	CG070
Chicago	NBCR	M		070	DS-M79	CG070
Chicago	NBCR	U		072	DS-M77	CG073
Chicago	NBCR	M		073	DS-M76	CG073
Chicago	NBCR	M		074	DS-M75	CG074
Chicago	NBCR	U		075	I-75	CG077
Chicago	NBCR	U		076	I-75	CG077
Chicago	NBCR	M		077	DS-M73	CG077
Chicago	NBCR	U		078	I-74	CG077

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Chicago	NBCR	U		079	I-73	CG077
Chicago	NBCR	U		080	I-72	CG077
Chicago	NBCR	U		081	DS-M72	CG082
Chicago	NBCR	M		082	TG-M71	CG082
Chicago	NBCR	M		083	DS-M70	CG083
Chicago	NBCR	M		084	DS-M66	CG084
Chicago	NBCR	U		085	DS-M69	CG084
Chicago	NBCR	U		086	I-71	CG083
Chicago	NBCR	U		087	I-70	CG084
Chicago	NBCR	U		088	DS-M65	CG092
Chicago	NBCR	U		090	DS-M67R	CG092
Chicago	NBCR	U		091	I-68B	CG092
Chicago	NBCR	M		092	DS-M64	CG092
Chicago	NBCR	U		093	DS-M64	CG092
Chicago	NBCR	U		094	I-68A	CG092
Chicago	NBCR	U		095	DS-M63	CG092
Chicago	NBCR	U		096	I-67	CG092
Chicago	NBCR	U		097	I-66	CG103
Chicago	NBCR	U		098	I-65(A&B)	CG103
Chicago	NBCR	U		099	I-64	CG103
Chicago	NBCR	U		100	I-63	CG103

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Chicago	NBCR	U	101	I-62	CG103
Chicago	NBCR	M	103	DS-M61A	CG103
Chicago	CR	U	104	DS-M59	CG106
Chicago	CR	U	105	DS-M60	CG106
Chicago	CR	M	106	TG-M60	CG106
Chicago	CR	M	107	DS-M55	CG107
Chicago	CR	U	109	I-59	CG107
Chicago	CR	U	110	I-58	CG107
Chicago	CR	U	111	I-56	CG107
Chicago	CR	U	112	I-55	CG107
Chicago	CR	U	113	I-54	CG107
Chicago	CR	U	114	I-53	CG107
Chicago	CR	U	115	I-52	CG107
Chicago	CR	U	116	I-51	CG107
Chicago	CR	U	117	I-49 & I-50	CG107
Chicago	CR	U	118	I-48	CG107
Chicago	CR	U	119	I-47A & I-47B	CG107
Chicago	CR	U	120	I-46	CG107
Chicago	CR	M	121	DS-M54	CG121
Chicago	SBCR	U	123	I-44 & I-45	CG129
Chicago	SBCR	U	124	I-44	CG129

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Chicago	SBCR	M		125	Indirect (TG-M53)	CG125
Chicago	SBCR	U		126	I-42	CG129
Chicago	SBCR	U		127	I-41	CG129
Chicago	SBCR	U		128	I-39	CG129
Chicago	SBCR	M		129	DS-M52	CG129
Chicago	SBCR	U		130	I-38	CG129
Chicago	SBCR	U		131	I-35	CG129
Chicago	SBCR	M		132	DS-M51	CG132
Chicago	SBCR	U		133	I-33	CG132
Chicago	SBCR	M		134	TG-I32	CG134
Chicago	SBCR	M		136	TG-I28 & I29	CG136
Chicago	SBCR	U		137	DS-M50	CG134
Chicago	SBCR	M		138	DS-M49	CG138
Chicago	SBCR	M		140	DS-M47	CG140
Chicago	SBCR	U		141	DS-M46	CG143
Chicago	SBCR	M		143	DS-M45	CG143
Chicago	SBCR	U		144	DS-M44	CG143
Chicago	SBCR	U		145	DS-M43	CG143
Chicago	SBCR	U		146	I-25	CG143
Chicago	SBCR	U		147	DS-M42	CG143
Chicago	SBCR	U		148	I-24	CG151

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored_or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Chicago	SBCR	U		149	I-23	CG151
Chicago	SBCR	U		150	Indirect (DS-M41)	CG151
Chicago	SBCR	M		151	DS-M41	CG151
Chicago	SBCR	U		152	I-123	CG151
Chicago	SBCR	U		153	I-21	CG151
Chicago	SBCR	M		154	DS-M40	CG154
Chicago	SBCR	U		155	DS-M39	CG154
Chicago	SBCR	M		156	DS-M38	CG156
Chicago	SBCR	U		157	DS-M37	CG156
Chicago	SBCR	U		158	I-20	CG156
Chicago	SBCR	U		159	I-19	CG156
Chicago	SBCR	U		160	I-18	CG156
Chicago	SBCR	U		163	I-15	CG166
Chicago	SBCR	U		165	DS-M36	CG166
Chicago	SBCR	M		166	DS-M35	CG166
Chicago	SBCR	U		167	DS-M34	CG166
Chicago	SBCR	M		168	DS-M25	CG168
Chicago	SBCR	U		169	DS-M23	CG168
Chicago	SBCR	U		170	DS-M23	CG168
Chicago	CSSC	M		172	TG-M22	CG172
Chicago	CSSC	M		173	DS-M21	CG173

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored_or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Chicago	CSSC	M		174	DS-M20	CG174
Chicago	CSSC	M		176	DS-M19	CG176
Chicago	CC	M		178	TG-I12	CG178
Chicago	CSSC	U		179	DS-M18	CG180
Chicago	CSSC	M		180	DS-M17	CG180
Chicago	CSSC	U		181	I-10	CG184
Chicago	CSSC	M		182	TG-M16	CG182
Chicago	CSSC	M		183	TG-I9	CG183
Chicago	CSSC	M		184	TG-I8	CG184
Chicago	CSSC	M		185	DS-M15	CG185
Chicago	CSSC	M		186	TG-I5	CG186
Chicago	CSSC	M		187	DS-M12	CG187
Chicago	CSSC	M		188	DS-M08	CG188
Chicago	CSSC	M		189	TG-NASH	CG189
Chicago	SFSBCR	U		190	DS-M33	CG194
Chicago	SFSBCR	U		191	DS-M32	CG194
Chicago	SFSBCR	U		192	DS-M31	CG194
Chicago	SFSBCR	U		193	DS-M31	CG194
Chicago	SFSBCR	M		194	DS-M30	CG194
Chicago	SFSBCR	U		195	I-119	CG194
Chicago	SFSBCR	U		196	I-117	CG198

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Monitored</u>	<u>Unmonitored</u>			
Chicago	SFBCR	M		198	DS-M26	CG198
Chicago	CaIR	M		206	CDS-20	CG206
Chicago	LCaIR	U		209	CI-9	CG239
Chicago	LCaIR	M		210	CDS-15-5	CG210
Chicago	LCaIR	M		211	CDS-14	CG211
Chicago	LCaIR	U		214	CI-8	RV002
Chicago	LCaIR	U		215	CI-7	RV002
Chicago	LCaIR	U		216	CI-6	RV002
Chicago	DPR	M		226	DS-D10	CG226
Chicago	DPR	M		227	DS-D11	CG227
Chicago	NBCR	U		230	DS-M67R	CG092
Chicago	NBCR	M		231	DS-M86	CG231
Chicago	NSC	U		233	DS-M92	CG010
Chicago	NBCR	M		234	DS-N06	CG234
Chicago	NBCR	U		235	DS-N01	CG030
Chicago	NBCR	U		237	I-67	CG092
Chicago	NBCR	M		238	DS-M83	CG238
Chicago	LCaIR	M		239	CDS-16	CG239
Chicago	LCaIR	M		241	CDS-12	CG241
Chicago / Calumet Park	CSC	M		218/001	CDS-10	CG218
Chicago / Niles	NBCR	U		NP	DS-N15	NI003

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Des Plaines	DPR	M	001	DS-D01	DP001
Des Plaines	DPR	U	002	DS-D02	PR005
Des Plaines	DPR	U	003	DS-D02	PR005
Des Plaines	DPR	U	004	DS-D03R	DP005
Des Plaines	DPR	M	005	DS-D03R	DP005
Des Plaines	DPR	U	006	None	
Des Plaines	Weller Creek	M	007	Indirect (UDP-DS5) (K27)	DP007
Dixmoor	LCalR	M	001	CDS-39	DM001
Dolton	LCalR	M	001	CDS-17	DT001
Dolton	LCalR	M	002	CDS-18	DT002
Dolton	LCalR	M	003	CDS-51	DT003
Evanston	NSC	U	003	I-109	MWRD102
Evanston	NSC	U	004	DS-M110	MWRD102
Evanston	NSC	U	005	DS-M106W	EVA07 (DS-M107-2)
Evanston	NSC	U	006	DS-M107-2	SK003 (DS-M107-1)
Evanston	NSC	M	009	TG-M105E	EV009
Evanston	NSC	M	010	DS-M104E	EV010
Evanston	NSC	U	011	DS-M103	SK005 (DS-M104W)
Evanston	NSC	U	012	DS-M102	SK005 (DS-M104W)
Evanston	NSC	U	013	DS-M101	EVA13
Evanston	NSC	M	A04	DS-M109S	EVA04

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Evanston	NSC	U		A06	DS-M108	SK003 (DS-M107-1)
Evanston	NSC	M		A07	DS-M107-2	EVA07
Evanston	NSC	U		A08	DS-M106E	SK002 (DS-M105W)
Evanston	NSC	U		A10	DS-M104E	EV010
Evanston	NSC	M		A13	DS-M101	EVA13
Evanston	NSC	U		NP	I-108	MWRD102
Forest Park	DPR	M		001	DS-D30,28	FP001
Forest Park	DPR	M		002	DS-D28	FP002
Forest View	CSSC	U		001	DS-M07	CG189
Franklin Park	DPR	M		001	DS-D13	FK001
Franklin Park	DPR	U		003	DS-D14	FK004
Franklin Park	DPR	M		004	DS-D14	FK004
Golf	WF-NBCR	U		001	Indirect (DS-N20)	MG002
Harvey	LCalR	M		001	CDS-41	HV001
Harvey	LCalR	M		002	CDS-41	HV002
Harvey	LCalR	M		003	CDS-42	HV003
Harvey	LCalR	M		004	CDS-43	HV004
Harvey	LCalR	M		005	CDS-43	HV005
Harvey	LCalR	M		006	CDS-45	HV006
Harvey	LCalR	M		007	CDS-45	HV007
LaGrange	SC	M		001	DS-D47,50,51 & DS-13A-LG001	

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored Or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
LaGrange Park	SC	U		001	DS-13A-53	LP003
LaGrange Park	SC	U		002	DS-13A-53	LP003
LaGrange Park	SC	M		003	DS-D37,38	LP003
LaGrange Park	SC	U		004	DS-13A-54	LP003
LaGrange Park	SC	U		005	DS-13A-54	LP003
LaGrange Park	SC	U		006	DS-13A-54	LP003
Lansing / Calumet City	LCalR	M		002 / 005	CDS-55	LS002
Lemont	I&M Canal	U		002	None	
Lemont	CSSC	U		003	None	
Lincolnwood	NSC	U		002	I-96	CG003
Lyons	DPR	M		001	DS-D49	LY001
Lyons	DPR	M		002	DS-D48	LY002
Lyons	DPR	M		003	DS-13A-4 (TG137)	LY003
Markham	CUDD	M		001	CDS-57	MH001
Maywood	DPR	M		001	DS-D22,24,25	MW002
Maywood	DPR	M		002	DS-D22,24,25	MW002
Maywood	DPR	M		003	DS-D21,25	MW003
Maywood	DPR	M		004	DS-D271	MW004
Maywood	DPR	M		005	DS-D271	MW005
Maywood	DPR	M		006	DS-D31	MW006
Maywood	DPR	M		007	DS-D32	MW007

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Maywood	DPR	M		008	DS-D33	MW008
Maywood	DPR	M		NP	DS-D22,24,25	MW NP (DS-D22, 24, 25)
Maywood	DPR	M		NP	DS-D21,25	MW NP (DS-D21,25)
Maywood	DPR	M		NP	DS-D21,25	MW NP (DS-D21, 25)
Maywood	DPR	M		NP	DS-D271	MW NP (DS-D271)
Maywood	DPR	M		NP	DS-D31	MW NP (DS-D31)
Melrose Park	DPR	M		001	DS-D52	MP001
Methodist Campground	DPR	U		NP	DS-D02	PR005
Morton Grove	NBCR	U		001	DS-N20	MG002
Morton Grove	NBCR	M		002	DS-N19	MG002
Mt. Prospect	Weller Creek	M		001	UDP-DS3 (K11)	MP001
Mt. Prospect	Weller Creek	M		002	UDP-DS3 (K14)	MP002
Mt. Prospect	Weller Creek	M		003	UDP-DS4 (K20)	MP003
Mt. Prospect	Weller Creek	M		004	UDP-DS6 (K22)	MP004
Mt. Prospect	Feehanville Ditch	M		005	UDP-DS8 (K25-1&K25-2)	MP005
Mt. Prospect	Feehanville Ditch	M		006	UDP-DS8 (K26)	MP006
Mt. Prospect	Weller Creek	M		NP	None (K3)	MP None (K3)
MWRD	CSSC	M		002	None	MWRD002
MWRD	LCalR	M		004	TARP Outfall	MWRD004
MWRD	CSC	U*		006	Indirect	
MWRD	CSC	U*		007	Indirect	

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
MWRD	NSC	M	101	DS-M114N	MWRD101
MWRD	NSC	M	102	DS-M109N	MWRD102
MWRD	NSC	U	103	DS-M108	SK003 (DS-M107-1)
MWRD	NSC	M	104	DS-M106E	MWRD104
MWRD	NSC	M	105	DS-M100	MWRD105
MWRD	NBCR	M	107	DS-M90 & DS-M91 (NBP MWRD107	MWRD107
MWRD	DPR	U	109	Indirect (DS-D03R)	DP001
MWRD	NSC	U	110	I-102	SK005 (DS-M104W)
MWRD	Weller Creek	M	111	UDP-DS1 (K2-1&K2-2)	MWRD111
MWRD	DPR	M	131	DS-D07	MWRD131
MWRD	DPR	M	132	DS-D08	MWRD132
MWRD	DPR	M	133	DS-D09	MWRD133
MWRD	DPR	M	134	DS-D19,23	MWRD134
MWRD	DPR	M	135	DS-D63	MWRD135
MWRD	DPR	U	136	DS-D34-DI	MW008
MWRD	SFSBCR	M	142	DS-M27,DS-M28,& DS-MMWRD142	MWRD142
MWRD	CSSC	M	143	DS-M13	MWRD143
MWRD	CSSC	M	144	DS-M10	MWRD144
MWRD	CSSC	M	145	DS-M09	MWRD145
MWRD	CSSC	M	146	TG-13A	MWRD146

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
MWRD	CSSC	M	147	DS-M03	MWRD147
MWRD	CSSC	U	148	DS-M01	MWRD147
MWRD	CSSC	U	149	DS-M02	MWRD147
MWRD	Addison Creek	M	150	DS-D34-AI	MWRD150
MWRD	CaIR	M	151	cds34	MWRD151
MWRD	CaIR	M	152	CDS-28	MWRD152
MWRD	LCaIR	M	153	CDS-13	MWRD153
MWRD	CSC	M	154	CDS-11	MWRD154
MWRD	CSC	M	157	CDS-2	MWRD157
MWRD	CSC	M	158	18E PS	MWRD158
MWRD	CSC	U*	160	Indirect	
MWRD	CSC	M	163	CDS-4	MWRD163
MWRD / Blue Island	CSC	M	156 / 001	CDS-5	MWRD156
MWRD / Lincolnwood	NSC	U	106 / 001	I-97	CG003
Niles	NBCR	M	001	DS-N18	NI001
Niles	NBCR	M	002	DS-N17	NI002
Niles	NBCR	M	003	DS-N16	NI003
Niles	NBCR	U	006	DS-N15	NI003
Niles	NBCR	U	007	DS-N15	NI003
Niles	NBCR	M	009	DS-N11	NI090
Niles	NBCR	M	010	DS-N12	NI010

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>	<u>U</u>			
Niles	NBCR	U		NP	Indirect (DS-N16)	NI003
Niles / Chicago	NBCR	M		008 / 236	DS-N13R	CG236
North Riverside	DPR	M		001	DS-D36	NR001
North Riverside	DPR	M		002	DS-D35	NR002
Park Ridge	DPR	M		002	DS-D05	PR002
Park Ridge	DPR	M		003	DS-D06	PR003
Park Ridge	DPR	M		004	DS-D07	PR004
Park Ridge	DPR	M		005	DS-D02	PR005
Park Ridge	DPR	M		006	DS-D05	PR006
Park Ridge	DPR	M		007	DS-D06	PR007
Park Ridge	DPR	M		008	DS-D07	PR008
Phoenix	LCaIR	M		001	CDS-45	PO001
River Forest	DPR	M		003	DS-D26	RF003
River Forest	DPR	M		004	DS-D29,64	RF004
River Grove	DPR	M		002	DS-D16	RG002
River Grove	DPR	M		003	DS-D17	RG003
River Grove	DPR	M		004	DS-D17	RG004
River Grove	DPR	M		005	DS-D18	RG005
River Grove	DPR	M		006	DS-D20I	RG006
River Grove / Franklin Park	DPR	M		001 / 002	DS-D15	FK002
Riverdale	LCaIR	M		002	CDS-15-1	RV002

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or</u>		<u>Outfall #</u>	<u>IARP Connection</u>	<u>Representative Outfall</u>
		<u>Unmonitored</u>				
Riverdale	LCalR	M		003	CDS-15-2	RV003
Riverdale	LCalR	M		004	CDS-42	RV004
Riverdale	LCalR	M		005	CDS-15-4	RV005
Riverdale	LCalR	U		NP	CDS-15	RV003
Riverdale	LCalR	M		NP	CDS-15-3	RV NP (CDS-15-3)
Riverside	DPR	U		007	None	
Riverside	DPR	M		010	DS-D44,45	RS010
Riverside	DPR	M		011	DS-D44,45	RS011
Riverside	DPR	M		012	DS-D41	RS012
Riverside	DPR	M		013	DS-D66	RS013
Riverside	DPR	M		NP	DS-D44,45	RS NP (DS-D44, 45)
Riverside	DPR	U		NP	None	
Robbins	CSC	U		NP	CI-3	BI005/PO001
Robbins	CSC	U		NP	CI-2	BI005/PO001
Robbins	CSC	U		NP	CI-1	BI005/PO001
Schiller Park	DPR	M		001	DS-D12I	SL001
Skokie	NSC	U		001	I-99	EV010
Skokie	NSC	M		002	DS-M105W	SK002
Skokie	NSC	M		003	DS-M107-1	SK003
Skokie	NSC	U		004	I-104	SK002 (DS-M105W)
Skokie	NSC	M		005	DS-M104W	SK005 (DS-M104W)

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Skokie	NSC	U	NP	DS-M100	EV010
South Holland	LCalR	M	001	CDS-C-1	SH001
South Holland	LCalR	M	002	CDS-C-1	SH002
South Holland	LCalR	M	003	CDS-48	SH003
South Holland	LCalR	M	004	CDS-45	SH004
South Holland	LCalR	M	005	Indirect (CDS-47)	SH003
South Holland	CUDD	U	NP	Indirect (CDS-47)	MH001
South Holland	LCalR	M	NP	CDS-45	SH NP (CDS-45)
Stickney	CSSC	M	001	DS-M09	ST001
Summit	CSSC	U	001	DS-M5B	MWRD146
Summit	CSSC	M	002	TG-M05	SU002
Summit	CSSC	U	003	Indirect (DS-M03)	MWRD147
Western Springs	SC	U	001	DS-13A-55	LP003
Western Springs	SC	U	002	DS-13A-56	LP003
Wilmette	NSC	M	001	DS-M114N-2	WM001
Wilmette	NSC	U	002	DS-M113	MWRD101

July O'BRIEN (NORTH SIDE) WRP CSO EVENTS & VOLUME ESTIMATES

		Overflow Data			Storm Information				Total Volume (gal)							
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall-North (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
DSM104E	TG1	07/02/2023 11:40:17	07/02/2023 12:22:53	42.60	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	1179	1361.60	2,540,477	121,656,897	26,035,747	2,540,477	1,417	8,463
DSM104E	TG1	07/02/2023 13:31:21	07/02/2023 15:27:09	115.80	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	1179.00	1361.60	6,905,803	121,656,897	70,773,228	6,905,803	3,850	22,986
DSM105W	TG1	07/02/2023 11:06:21	07/02/2023 16:43:57	337.60	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	491.00	413.40	8,384,472	50,664,577	62,644,625	8,384,472	4,673	27,900
DSM107	TG1	07/02/2023 10:45:09	07/02/2023 17:46:45	421.60	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	468.00	434.00	9,980,177	48,291,287	82,129,889	9,980,177	5,561	33,199
DSM107	TG2	07/02/2023 13:24:17	07/02/2023 17:40:21	256.07	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	702.00	195.00	9,092,472	72,436,931	22,412,926	9,092,472	5,067	30,252
DSM109S	TG1	07/02/2023 13:26:53	07/02/2023 19:03:53	337.00	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	185.00	164.90	3,153,504	19,089,505	24,943,734	3,153,504	1,759	10,504
DSM114N	TG1	07/02/2023 10:43:53	07/02/2023 19:42:13	538.33	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	635.00	260.00	17,290,868	65,523,435	62,825,438	17,290,868	9,624	57,437
DSM80	TG1	07/02/2023 10:59:57	07/02/2023 16:56:25	356.47	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	575.00	1305.00	10,367,608	59,332,244	208,804,735	10,367,608	5,777	34,486
DSM80	TG1	07/02/2023 18:48:41	07/02/2023 18:59:21	10.67	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	575.00	1305.00	310,233	59,332,244	6,248,131	310,233	173	1,034
DSM80	TG2	07/02/2023 11:00:09	07/02/2023 16:52:57	352.80	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	575.00	1305.00	10,260,965	59,332,244	206,656,939	10,260,965	5,717	34,132
DSM84	TG2	07/02/2023 15:41:37	07/02/2023 23:42:33	480.93	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	22524.00	2260.00	547,926,358	2,324,172,986	487,870,123	487,870,123	251,275	1,472,026
DSM84	TG4	07/02/2023 15:41:37	07/02/2023 21:42:21	360.73	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	22524.00	2260.00	410,982,745	2,324,172,986	365,936,407	365,936,407	192,412	1,133,000
DSN05	TG1	07/02/2023 15:20:25	07/02/2023 17:20:37	120.20	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	2719.00	321.00	16,531,241	280,564,125	17,318,904	16,531,241	9,202	54,922
DSN08	TG1	07/02/2023 14:23:09	07/02/2023 15:14:41	51.53	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	3.80	2721.00	690.00	7,092,651	280,770,498	15,960,564	7,092,651	3,954	23,607
NBPS	ALL	07/02/2023 10:54:00	07/03/2023 09:44:00	1,370.00										490,455,000	252,495	1,479,005
DSM107	TG1	07/05/2023 19:44:21	07/05/2023 21:29:57	105.60	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.45	468.00	434.00	639,041	5,718,705	20,571,433	639,041	357	2,130
DSM114N	TG1	07/05/2023 19:43:49	07/05/2023 20:08:37	24.80	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.45	635.00	260.00	203,631	7,759,354	2,894,249	203,631	114	679
DSM80	TG1	07/05/2023 19:37:09	07/05/2023 21:35:41	118.53	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.45	575.00	1305.00	881,307	7,026,187	69,432,358	881,307	492	2,937
DSM80	TG2	07/05/2023 19:37:41	07/05/2023 21:35:01	117.33	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.45	575.00	1305.00	872,385	7,026,187	68,729,443	872,385	487	2,907
DSM84	TG2	07/05/2023 19:50:49	07/05/2023 23:51:13	240.40	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.45	22524.00	2260.00	70,016,286	275,231,011	243,867,433	70,016,286	38,643	230,192
DSM84	TG4	07/05/2023 19:50:49	07/05/2023 23:51:13	240.40	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.45	22524.00	2260.00	70,016,286	275,231,011	243,867,433	70,016,286	38,643	230,192
DSM97	TG1	07/05/2023 18:50:37	07/05/2023 21:50:53	120.27	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.45	1312.00	1478.00	2,040,320	16,031,925	79,786,720	2,040,320	1,138	6,798
DSM97	TG2	07/05/2023 19:50:37	07/05/2023 21:50:53	120.27	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.45	1312.00	1478.00	2,040,320	16,031,925	79,786,720	2,040,320	1,138	6,798
NBPS	ALL	07/05/2023 20:47:00	07/06/2023 02:23:00	336.00										86,130,000	47,414	282,270
TOTAL														1,679,011,578	881,383	5,187,854

JULY STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES

		Overflow Data			Storm Information				Total Volume (gal)			ESTIMATED VOLUME WITH BOUNDARY CONDITIONS			BOD (Lbs)	SS (Lbs)
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc			
DSD48	TG1	07/02/2023 08:19:41	07/02/2023 09:07:49	48.13	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	43	54.00	113,506	4,810,664	1,166,677	113,506	63	378
DSM06	TG1	07/02/2023 13:16:21	07/03/2023 00:00:00	643.65	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	1904.00	980.00	67,208,182	213,011,717	283,130,564	67,208,182	37,110	221,082
DSM10	TG3	07/02/2023 13:18:01	07/03/2023 00:00:00	641.96	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	3523.00	3560.00	124,034,308	394,138,803	1,025,851,875	124,034,308	67,866	403,449
DSM30	TG1	07/02/2023 14:40:45	07/02/2023 18:49:49	249.07	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	541.00	234.00	7,389,555	60,524,863	26,160,279	7,389,555	4,119	24,594
DSM36	TG1	07/02/2023 13:22:21	07/02/2023 23:25:01	602.67	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	484.00	648.00	15,996,610	54,147,937	175,292,398	15,996,610	8,905	53,151
DSM38	TG1	07/02/2023 23:27:49	07/02/2023 23:31:37	3.80	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	484.00	648.00	100,864	54,147,937	1,105,273	100,864	56	336
DSM38	TG2	07/02/2023 13:22:33	07/02/2023 22:41:53	559.33	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	484.00	648.00	14,846,412	54,147,937	162,688,409	14,846,412	8,266	49,340
DSM38	TG2	07/02/2023 22:44:25	07/02/2023 22:51:41	7.27	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	484.00	648.00	192,879	54,147,937	2,113,592	192,879	108	643
DSM38	TG2	07/02/2023 22:53:09	07/02/2023 23:00:21	7.20	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	484.00	648.00	191,110	54,147,937	2,094,201	191,110	107	637
DSM38	TG2	07/02/2023 23:02:37	07/02/2023 23:07:17	4.67	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	484.00	648.00	123,868	54,147,937	1,357,353	123,868	69	413
DSM38	TG2	07/02/2023 23:11:01	07/02/2023 23:23:21	12.33	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	484.00	648.00	327,364	54,147,937	3,587,289	327,364	183	1,091
DSM70	TG1	07/02/2023 13:53:05	07/02/2023 22:19:17	506.20	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	145.00	98.00	4,025,275	16,222,006	22,266,867	4,025,275	2,245	13,406
DSM73	TG1	07/02/2023 10:51:05	07/02/2023 19:51:09	540.07	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	1056.00	475.00	31,276,397	118,140,952	115,146,804	31,276,397	17,369	103,611
DSM73	TG1	07/02/2023 19:52:53	07/02/2023 20:05:41	12.80	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	1056.00	475.00	741,275	118,140,952	2,729,069	741,275	414	2,470
TG9	TG1	07/02/2023 10:06:37	07/02/2023 23:39:09	812.53	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	582.00	422.00	25,934,006	65,111,775	153,909,186	25,934,006	14,414	86,003
TGM22	TG2	07/02/2023 11:32:37	07/02/2023 11:44:57	12.33	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	314.00	580.00	212,381	35,129,033	3,210,845	212,381	119	708
TGM22	TG2	07/02/2023 13:18:05	07/03/2023 00:00:00	641.92	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	314.00	580.00	11,053,854	35,129,033	167,115,815	11,053,854	6,158	36,763
RAPS	ALL	07/02/2023 13:00:00	07/02/2023 17:40:00	280.00										88,829,500	37,996	226,343
WCPS	ALL	07/02/2023 09:29:00	07/02/2023 18:37:00	548.00										1,182,600	660	3,941
DSM08	TG1	07/03/2023 00:00:00	07/03/2023 06:53:37	413.62	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	1904.00	980.00	43,188,726	213,011,717	181,942,857	43,188,726	23,939	142,741
DSM10	TG3	07/03/2023 00:00:00	07/03/2023 06:01:45	481.75	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	3523.00	3560.00	93,076,444	394,138,803	769,808,366	93,076,444	51,181	304,617
TGM22	TG2	07/03/2023 00:00:00	07/03/2023 00:54:57	54.95	07/01/2023 11:30:00	07/02/2023 21:30:00	2040.00	4.12	314.00	580.00	946,243	35,129,033	14,305,617	946,243	528	3,153
RAPS	ALL	07/03/2023 16:30:00	07/05/2023 01:50:00	2,000.00										832,895,000	403,618	2,327,067
DSM08	TG1	07/05/2023 19:41:33	07/05/2023 22:54:01	192.47	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.98	1904.00	980.00	10,319,416	50,667,836	84,662,776	10,319,416	5,750	34,326
DSM10	TG3	07/05/2023 19:49:33	07/05/2023 23:32:53	223.33	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.98	3523.00	3560.00	22,156,382	93,751,463	356,873,624	22,156,382	12,322	73,530
DSM36	TG1	07/05/2023 19:58:37	07/05/2023 22:11:29	132.87	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.98	484.00	648.00	1,810,898	12,879,849	38,645,769	1,810,898	1,010	6,034
DSM38	TG2	07/05/2023 19:59:13	07/05/2023 22:09:33	130.33	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.98	484.00	648.00	1,776,370	12,879,849	37,908,920	1,776,370	991	5,919
DSM73	TG1	07/05/2023 19:35:57	07/05/2023 22:26:21	170.40	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.98	1056.00	475.00	5,067,178	28,101,489	36,330,728	5,067,178	2,826	16,872
TG9	TG1	07/05/2023 19:42:21	07/05/2023 19:47:41	5.33	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.98	582.00	422.00	87,409	15,487,752	1,010,234	87,409	49	291
TG9	TG1	07/05/2023 19:57:29	07/05/2023 22:04:37	127.13	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.98	582.00	422.00	2,083,603	15,487,752	24,081,459	2,083,603	1,162	6,942
TGM22	TG2	07/05/2023 20:06:37	07/05/2023 20:48:01	41.40	07/05/2023 14:15:00	07/06/2023 06:00:00	945.00	0.98	314.00	580.00	366,069	8,355,935	10,778,026	366,069	204	1,220
RAPS	ALL	07/05/2023 15:15:00	07/06/2023 21:10:00	1,795.00										845,165,000	408,649	2,354,637
WCPS	ALL	07/05/2023 18:57:00	07/05/2023 22:58:00	241.00										364,500	203	1,215
RAPS	ALL	07/12/2023 14:10:00	07/13/2023 07:50:00	1,060.00										543,630,000	277,319	1,620,649
RAPS	ALL	07/14/2023 22:30:00	07/15/2023 06:55:00	505.00										117,862,500	64,553	383,845
DSD48	TG1	07/28/2023 23:41:07	07/29/2023 00:22:39	41.53	07/28/2023 20:00:00	07/29/2023 03:35:00	455.00	0.68	43	54.00	72,477	793,993	1,006,703	72,477	40	242
WCPS	ALL	07/28/2023 23:25:00	07/29/2023 02:45:00	200.00										295,200	165	984
TOTAL														8,294,943,362	1,460,739	8,512,643

JULY CALUMET WRP CSO EVENTS & VOLUME ESTIMATES																
Overflow Data					Storm Information											
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs																

DS #	TG #	Overflow Data		Storm Information		Total Rainfall North (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE	Regional Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
		Start Date & Time	Duration (min)	Start Date & Time	Stop Date & Time									
AUGUST O'BRIEN (NORTH SIDE) WRP CSO EVENTS & VOLUME ESTIMATES														
NO CSOs														
TOTAL												0	0	0

AUGUST STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES																
Overflow Data			Storm Information						Estimation Methods							
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	Monitored Outfall Maximum Discharge (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	Estimated Volume with Boundary Conditions	BOD (Lbs)	SS (Lbs)
WCPS	ALL	08/14/2023 17:25:00	08/14/2023 20:05:00	160.00										356,000	199	1,188

AUGUST CALUMET WRP CSO EVENTS & VOLUME ESTIMATES																			
Overflow Data						Storm Information													
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)	
NO CSOs																			

SEPTEMBER O'BRIEN (NORTH SIDE) WRP CSO EVENTS & VOLUME ESTIMATES															
DS #	TG #	Overflow Data			Storm Information			Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
		Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)								

NO CSOs

SEPTEMBER STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES															
		Overflow Data			Storm Information				Rational Equation						
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
WCPS	ALL	09/17/2023 07:10:00	09/17/2023 12:57:00	347.00									1,028,700	574	3,428
TOTAL													1,028,700	574	3,428

SEPTMBER CALUMET WRP CSO EVENTS & VOLUME ESTIMATES														
DS #	TG #	Overflow Data			Storm Information			MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
		Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)							

NO CSOs

JULY-SEPTEMBER KIRIE WRP CSO EVENTS & VOLUME ESTIMATES																
			Overflow Data				Storm Information									
DS #	TC #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
UDP-DS4 (K20)	ALL	7/11/2023 14:08	7/11/2023 14:36	27.33	07/11/2023 13:30:00	7/12/2023 21:00	1,890.00	1.33	502	0.0	262,195	18,129,870	n/a	262,195	146	874
UDP-DS4 (K20)	ALL	7/12/2023 19:13	7/12/2023 19:44	30.92	07/11/2023 13:30:00	7/12/2023 21:00	1,890.00	1.33	502	0.0	296,566	18,129,870	n/a	296,566	156	988
UDP-DS4 (K20)	ALL	7/26/2023 10:06	7/26/2023 11:16	69.67	07/26/2023 09:40:00	7/26/2023 19:45	605.00	0.45	502	0.0	706,357	6,134,167	n/a	706,357	394	2,354
UDP-DS4 (K20)	ALL	7/28/2023 22:46	7/29/2023 1:58	192.08	07/28/2023 20:00:00	7/29/2023 3:35	455.00	1	502	0.0	5,754,670	43,631,481	n/a	5,754,670	3,709	19,159
UDP-DS4 (K20)	ALL	8/15/2023 1:45	8/15/2023 2:20	35.75	08/14/2023 12:00:00	8/15/2023 13:30	1,530.00	1.43	502	0.0	455,473	19,483,018	n/a	455,473	254	1,518
										TOTAL				7,475,263	4,169	24,893

Note: Discharges through K20 were not able to be quantified using pipe capacity calculation.

JULY-SEPTEMBER LEMONT WRP CSO EVENTS & VOLUME ESTIMATES																
Overflow Data			Storm Information													
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Relational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)

NO CSOs

SUMMARY: TOTAL CSO VOLUME ESTIMATE

Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
July	4,580,974,729	4580.974729	2,346,037	13,723,872
August	811,873	0.811873121	453	2,706
September	1,028,700	1.0287	574	3,428
TOTAL	4,582,815,303	4,582.82	2,347,064	13,730,006

RAINFALL SUMMARY

Start Date	Start Time	Stop Date	Stop Time	Duration (hr:min)	Total Rainfall Average (in)
7/1/2023	11:30 AM	7/2/2023	9:30 PM	34:00	3.84
7/5/2023	2:15 PM	7/6/2023	6:00 AM	15:45	1.09
7/11/2023	1:30 PM	7/12/2023	9:00 PM	31:30	1.33
7/14/2023	9:45 PM	7/15/2023	8:45 AM	11:00	0.35
7/22/2023	9:45 PM	7/23/2023	5:45 AM	8:00	0.29
7/26/2023	9:40 AM	7/26/2023	7:45 PM	10:05	0.24
7/28/2023	4:30 AM	7/28/2023	9:05 PM	4:35	0.27
7/28/2023	8:00 PM	7/29/2023	3:35 AM	7:35	0.77
8/5/2023	7:40 PM	8/6/2023	11:20 AM	15:40	0.41
8/14/2023	12:00 PM	8/15/2023	1:30 PM	25:30	1.53
8/17/2023	7:30 AM	8/17/2023	11:45 AM	4:15	0.31
9/6/2023	4:00 AM	9/6/2023	9:30 AM	5:30	0.31
9/16/2023	4:20 PM	9/17/2023	4:35 PM	24:15	1.35
9/11/2023	4:06 AM	9/12/2023	1:20 AM	21:14	0.90

Mainstream				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
July	4,573,954,940	4573.95	2,342,122	13,700,497
August	356,400	0.3564	199	1,188
September	1,028,700	1.0287	574	3,428
TOTAL	4,575,340,040	4,575	2,342,895	13,705,113

Calumet				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
TOTAL	0	0	0	0

Upper Des Plaines				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
July	7,019,790	7.01979	3,915	23,375
August	455,473	0.45547	254	1,518
September	0	0	0	0
TOTAL	7,475,263	7	4,169	24,893

MONTHLY PLANT CAPTURE

	Flow (MG)			BOD (lbs)			SS (lbs)		
	July	August	September	July	August	September	July	August	September
	O'Brien	7,440	6,262	5,850	3,909,125	3,864,656	3,317,652	8,438,746	6,214,785
Stickney	30,720	22,196	21,210	32,768,594	36,819,302	28,833,298	47,039,201	56,978,286	40,154,348
Calumet	10,530	6,386	7,200	10,889,705	5,379,183	4,263,408	22,569,791	4,313,998	4,563,648
Kirie	1,143	822	858	1,754,002	1,109,912	1,273,718	1,677,741	1,151,020	1,252,251
Lemont	93	71	81	79,113	105,252	83,767	82,216	110,603	144,566
TOTAL:	49,926	35,737	35,199	49,400,539	47,278,305	37,771,843	79,807,695	68,768,693	52,652,538

Plant	O'Brien			Stickney			Calumet			Kirie			Lemont		
	July	August	September	July	August	September	July	August	September	July	August	September	July	August	September
month	30	31	30	30	31	30	30	31	30	30	31	30	30	31	30
days	248	202	195	1,024	716	707	351	206	240	38	27	29	3	2	3
flow	7,440	6,262	5,850	30,720	22,196	21,210	10,530	6,386	7,200	1,143	822	858	93	71	81
bod infl	67	77	72	133	203	168	129	106	76	186	164	180	108	187	132
bod eff	4	3	4	5	4	5	5	5	5	2	2	2	2	6	8
bod capture	3,909,125	3,864,656	3,317,652	32,768,594	36,819,302	28,833,298	10,889,705	5,379,183	4,263,408	1,754,002	1,109,912	1,273,718	79,113	105,252	83,767
ss infl	140	122	138	189	312	232	262	85	81	179	170	177	112	193	220
ss eff	4	3	4	5	4	5	5	4	5	3	2	2	2	7	6
ss capture	8,438,746	6,214,785	6,537,726	47,039,201	56,978,286	40,154,348	22,569,791	4,313,998	4,563,648	1,677,741	1,151,020	1,252,251	82,216	110,603	144,566

Protecting Our Water Environment

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Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET

CHICAGO, ILLINOIS 60611-3154

312.751.5600

John P. Murray, P.E.

Director of Maintenance and Operations

312.751.5101 f: 312.751.5145

john.murray@mwr.org

February 15, 2024

Mr. Darin E. LeCrone, P.E.
Manager, Permit Section
Division of Water Pollution Control
Illinois Environmental Protection Agency
PO Box 19276
Springfield, IL 62794-9276

Subject: Metropolitan Water Reclamation District of Greater Chicago (District)
National Pollutant Discharge Elimination System (NPDES) Permits
Stickney WRP - IL0028053; Calumet WRP - IL0028061; Lemont WRP- IL0028070
O'Brien (North Side) WRP - IL0028088; Kirie WRP – IL0047741
Combined Sewer Overflow Quarterly Report

Dear Mr. LeCrone:

In accordance with Special Conditions (SC) 8.13, 13.13, 14.A and 14.11 of the O'Brien, Calumet, Stickney, Kirie and Lemont WRP NPDES permits, enclosed please find the CSO frequency report for the period of October 1, 2023 through December 31, 2023. Please note that the discharge volumes were estimated using a conservative method which assumes that all rainfall that falls during the period that a tide gate is open, is being discharged to the waterway. This discharge volume was then compared to two boundary conditions: (1) total area rainfall volume and (2) outfall pipe capacity. The minimum of these three values was used as the final discharge volume.

This report documents the following information for those CSOs that discharged during the above referenced quarter:

1. Date, duration, and volume of CSO discharge
2. Duration of storm and total rainfall
3. Estimate of BOD5 and SS discharged through the CSO outfalls
4. Estimate of combined sewage volume, BOD5, and SS captured at the subject WRPs

This quarterly report satisfies the CSO reporting obligation of those municipalities shown on the enclosed list. If you have any questions, please call Ms. Ann Ko, Principal Engineer, at 312-751-6553.

Sincerely,



John P. Murray

EJS:JS:AK

Enclosures

c: Catherine Siders, IEPA – Springfield, Todd Bennett, IEPA - Des Plaines,
Podczerwinski/Morakalis/Dorigan/Desai/Gronski

Metropolitan Water Reclamation District of Greater Chicago
Combined Sewer Overflow (CSO) Quarterly Report
2023 Represented Municipalities

Village of Wilmette
Village of Lemont
Village of Stickney
Village of Schiller Park
Village of Lyons
Village of Summit
Village of Arlington Heights
Village of Niles
Village of North Riverside
Village of Melrose Park
Village of Forest Park
Village of Morton Grove
Village of River Grove
City of Des Plaines
Village of River Forest
Village of La Grange
Village of Skokie
Village of Brookfield
Village of Lincolnwood
City of Evanston
City of Park Ridge
City of Chicago
Village of Western Springs
Village of Riverside
City of Markham
Village of Golf
Village of Riverdale
Calumet City
City of Blue Island
Village of Phoenix
Village of South Holland
Village of Calumet Park
City of Harvey
Village of Posen
Village of La Grange Park
Village of Lansing
Village of Burnham
Village of Forest View
Village of Dolton
Village of Dixmoor
Village of Mount Prospect

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Arlington Heights	Weller Creek	M	001	UDP-DS1 (K1)	AH001
Arlington Heights	Weller Creek	M	001	UDP-DS1A (K1A)	AH001
Blue Island	CSC	M	002	CDS-7	BI002
Blue Island	CSC	M	003	CDS-8	BI003
Blue Island	CSC	U	004	CDS-9	BI003
Blue Island / Posen	CSC	M	005 / 001	CDS-6	BI005/PO001
Brookfield	SC	M	001	DS-D37,38	BF001
Brookfield	SC	M	003	DS-D40	BF003
Brookfield	SC	M	004	DS-D39,42,46	BF004
Brookfield	SC	M	005	DS-D39,42,46	BF005
Brookfield	SC	M	006	DS-D47,50,51	BF006
Brookfield	SC	M	007	DS-D39,42,46	BF007
Brookfield	SC	M	008	DS-D62	BF008
Brookfield	SC	M	009	DS-D47,50,51	BF009
Brookfield	DPR	U	NP	DS-DA6	BF006
Burnham	GCaIR	M	001	CDS-21	BM001
Burnham	GCaIR	M	002	CDS-22	BM002
Burnham	GCaIR	M	003	CDS-23	BM003
Calumet City	GCaIR	U	001	CDS-24	BM003
Calumet City	LCaIR	M	002	CDS-53	CA002
Calumet City	LCaIR	M	003	CDS-53	CA003

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Calumet City	LCalR	M	004	CDS-55	CA004
Calumet City	LCalR	M	005	CDS-55	CA005
Calumet City	LCalR	M	006	CDS-55	CA006
Calumet City	LCalR	M	007	CDS-55	CA007
Chicago	NSC	U	001	DS-M98	CG002
Chicago	NSC	M	002	DS-M97	CG002
Chicago	NSC	M	003	DS-M97	CG003
Chicago	NSC	U	004	I-95	CG003
Chicago	NSC	U	005	DS-M96	CG002
Chicago	NSC	U	006	DS-M95	CG010
Chicago	NSC	U	007	I-94	CG010
Chicago	NSC	U	008	I-93	CG010
Chicago	NSC	U	009	I-92	CG010
Chicago	NSC	M	010	TG-M94	CG010
Chicago	NSC	U	011	DS-M93	CG010
Chicago	NSC	U	012	I-91	CG010
Chicago	NSC	U	014	I-89	CG010
Chicago	NBCR	M	016	DS-N10A	CG016
Chicago	NBCR	M	017	DS-N10B	CG017
Chicago	NBCR	M	018	DS-N09	CG018
Chicago	NBCR	U	019	DS-N08	CG020

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Chicago	NBCR	M	020	DS-N08	CG020
Chicago	NBCR	M	021	DS-N07	CG021
Chicago	NBCR	U	023	Indirect (DS-N04)	CG026
Chicago	NBCR	M	024	DS-N05	CG024
Chicago	NBCR	M	026	DS-N04	CG026
Chicago	NBCR	M	029	DS-N03	CG029
Chicago	NBCR	M	030	DS-N02	CG030
Chicago	NBCR	U	035	I-88	CG042
Chicago	NSC	U	038	I-116	CG010
Chicago	NSC	U	039	DS-M99	EV010
Chicago	NBCR	U	040	I-88	CG042
Chicago	NBCR	U	041	I-87	CG042
Chicago	NBCR	M	042	DS-LAT	CG042
Chicago	NBCR	U	043	I-86	MWRD107
Chicago	NBCR	U	044	I-85	CG042
Chicago	NBCR	U	046	I-82	MWRD107
Chicago	NBCR	U	047	I-83	MWRD107
Chicago	NBCR	U	048	I-81	CG057
Chicago	NBCR	U	049	I-80	CG057
Chicago	NBCR	U	050	I-79A	CG057
Chicago	NBCR	U	051	DS-M89	CG057

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Chicago	NBCR	U	052	I-78	CG057
Chicago	NBCR	M	057	DS-M88	CG057
Chicago	NBCR	U	058	DS-M87	CG057
Chicago	NBCR	U	059	I-77	CG057
Chicago	NBCR	U	060	Indirect (DS-M90)	CG231
Chicago	NBCR	M	061	DS-M85	CG061
Chicago	NBCR	U	062	I-76	CG061
Chicago	NBCR	M	063	DS-M84	CG063
Chicago	NBCR	M	064	DS-M82	CG064
Chicago	NBCR	M	065	TG-M81	CG065
Chicago	NBCR	M	067	DS-M80	CG067
Chicago	NBCR	M	068	DS-M79	CG068
Chicago	NBCR	U	069	DS-M78	CG070
Chicago	NBCR	M	070	DS-M79	CG070
Chicago	NBCR	U	072	DS-M77	CG073
Chicago	NBCR	M	073	DS-M76	CG073
Chicago	NBCR	M	074	DS-M75	CG074
Chicago	NBCR	U	075	I-75	CG077
Chicago	NBCR	U	076	I-75	CG077
Chicago	NBCR	M	077	DS-M73	CG077
Chicago	NBCR	U	078	I-74	CG077

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Chicago	NBCR	U	079	I-73	CG077
Chicago	NBCR	U	080	I-72	CG077
Chicago	NBCR	U	081	DS-M72	CG082
Chicago	NBCR	M	082	TG-M71	CG082
Chicago	NBCR	M	083	DS-M70	CG083
Chicago	NBCR	M	084	DS-M66	CG084
Chicago	NBCR	U	085	DS-M69	CG084
Chicago	NBCR	U	086	I-71	CG083
Chicago	NBCR	U	087	I-70	CG084
Chicago	NBCR	U	088	DS-M65	CG092
Chicago	NBCR	U	090	DS-M67R	CG092
Chicago	NBCR	U	091	I-68B	CG092
Chicago	NBCR	M	092	DS-M64	CG092
Chicago	NBCR	U	093	DS-M64	CG092
Chicago	NBCR	U	094	I-68A	CG092
Chicago	NBCR	U	095	DS-M63	CG092
Chicago	NBCR	U	096	I-67	CG092
Chicago	NBCR	U	097	I-66	CG103
Chicago	NBCR	U	098	I-65(A&B)	CG103
Chicago	NBCR	U	099	I-64	CG103
Chicago	NBCR	U	100	I-63	CG103

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Chicago	NBCR	U	101	I-62	CG103
Chicago	NBCR	M	103	DS-M61A	CG103
Chicago	CR	U	104	DS-M59	CG106
Chicago	CR	U	105	DS-M60	CG106
Chicago	CR	M	106	TG-M60	CG106
Chicago	CR	M	107	DS-M55	CG107
Chicago	CR	U	109	I-59	CG107
Chicago	CR	U	110	I-58	CG107
Chicago	CR	U	111	I-56	CG107
Chicago	CR	U	112	I-55	CG107
Chicago	CR	U	113	I-54	CG107
Chicago	CR	U	114	I-53	CG107
Chicago	CR	U	115	I-52	CG107
Chicago	CR	U	116	I-51	CG107
Chicago	CR	U	117	I-49 & I-50	CG107
Chicago	CR	U	118	I-48	CG107
Chicago	CR	U	119	I-47A & I-47B	CG107
Chicago	CR	U	120	I-46	CG107
Chicago	CR	M	121	DS-M54	CG121
Chicago	SBCR	U	123	I-44 & I-45	CG129
Chicago	SBCR	U	124	I-44	CG129

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Chicago	SBCR	M	125	Indirect (TG-M53)	CG125
Chicago	SBCR	U	126	I-42	CG129
Chicago	SBCR	U	127	I-41	CG129
Chicago	SBCR	U	128	I-39	CG129
Chicago	SBCR	M	129	DS-M52	CG129
Chicago	SBCR	U	130	I-38	CG129
Chicago	SBCR	U	131	I-35	CG129
Chicago	SBCR	M	132	DS-M51	CG132
Chicago	SBCR	U	133	I-33	CG132
Chicago	SBCR	M	134	TG-I32	CG134
Chicago	SBCR	M	136	TG-I28 & I29	CG136
Chicago	SBCR	U	137	DS-M50	CG134
Chicago	SBCR	M	138	DS-M49	CG138
Chicago	SBCR	M	140	DS-M47	CG140
Chicago	SBCR	U	141	DS-M46	CG143
Chicago	SBCR	M	143	DS-M45	CG143
Chicago	SBCR	U	144	DS-M44	CG143
Chicago	SBCR	U	145	DS-M43	CG143
Chicago	SBCR	U	146	I-25	CG143
Chicago	SBCR	U	147	DS-M42	CG143
Chicago	SBCR	U	148	I-24	CG151

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Chicago	SBCR	U	149	I-23	CG151
Chicago	SBCR	U	150	Indirect (DS-M41)	CG151
Chicago	SBCR	M	151	DS-M41	CG151
Chicago	SBCR	U	152	I-123	CG151
Chicago	SBCR	U	153	I-21	CG151
Chicago	SBCR	M	154	DS-M40	CG154
Chicago	SBCR	U	155	DS-M39	CG154
Chicago	SBCR	M	156	DS-M38	CG156
Chicago	SBCR	U	157	DS-M37	CG156
Chicago	SBCR	U	158	I-20	CG156
Chicago	SBCR	U	159	I-19	CG156
Chicago	SBCR	U	160	I-18	CG156
Chicago	SBCR	U	163	I-15	CG166
Chicago	SBCR	U	165	DS-M36	CG166
Chicago	SBCR	M	166	DS-M35	CG166
Chicago	SBCR	U	167	DS-M34	CG166
Chicago	SBCR	M	168	DS-M25	CG168
Chicago	SBCR	U	169	DS-M23	CG168
Chicago	SBCR	U	170	DS-M23	CG168
Chicago	CSSC	M	172	TG-M22	CG172
Chicago	CSSC	M	173	DS-M21	CG173

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Chicago	CSSC	M	174	DS-M20	CG174
Chicago	CSSC	M	176	DS-M19	CG176
Chicago	CC	M	178	TG-I12	CG178
Chicago	CSSC	U	179	DS-M18	CG180
Chicago	CSSC	M	180	DS-M17	CG180
Chicago	CSSC	U	181	I-10	CG184
Chicago	CSSC	M	182	TG-M16	CG182
Chicago	CSSC	M	183	TG-I9	CG183
Chicago	CSSC	M	184	TG-I8	CG184
Chicago	CSSC	M	185	DS-M15	CG185
Chicago	CSSC	M	186	TG-I5	CG186
Chicago	CSSC	M	187	DS-M12	CG187
Chicago	CSSC	M	188	DS-M08	CG188
Chicago	CSSC	M	189	TG-NASH	CG189
Chicago	SFSBCR	U	190	DS-M33	CG194
Chicago	SFSBCR	U	191	DS-M32	CG194
Chicago	SFSBCR	U	192	DS-M31	CG194
Chicago	SFSBCR	U	193	DS-M31	CG194
Chicago	SFSBCR	M	194	DS-M30	CG194
Chicago	SFSBCR	U	195	I-119	CG194
Chicago	SFSBCR	U	196	I-117	CG198

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Chicago	SFSBCR	M	198	DS-M26	CG198
Chicago	CalR	M	206	CDS-20	CG206
Chicago	LCaIR	U	209	CI-9	CG239
Chicago	LCaIR	M	210	CDS-15-5	CG210
Chicago	LCaIR	M	211	CDS-14	CG211
Chicago	LCaIR	U	214	CI-8	RV002
Chicago	LCaIR	U	215	CI-7	RV002
Chicago	LCaIR	U	216	CI-6	RV002
Chicago	DPR	M	226	DS-D10	CG226
Chicago	DPR	M	227	DS-D11	CG227
Chicago	NBCR	U	230	DS-M67R	CG092
Chicago	NBCR	M	231	DS-M86	CG231
Chicago	NSC	U	233	DS-M92	CG010
Chicago	NBCR	M	234	DS-N06	CG234
Chicago	NBCR	U	235	DS-N01	CG030
Chicago	NBCR	U	237	I-67	CG092
Chicago	NBCR	M	238	DS-M83	CG238
Chicago	LCaIR	M	239	CDS-16	CG239
Chicago	LCaIR	M	241	CDS-12	CG241
Chicago / Calumet Park	CSC	M	218/001	CDS-10	CG218
Chicago / Niles	NBCR	U	NP	DS-N15	NI003

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Des Plaines	DPR	M	001	DS-D01	DP001
Des Plaines	DPR	U	002	DS-D02	PR005
Des Plaines	DPR	U	003	DS-D02	PR005
Des Plaines	DPR	U	004	DS-D03R	DP005
Des Plaines	DPR	M	005	DS-D03R	DP005
Des Plaines	DPR	U	006	None	
Des Plaines	Weller Creek	M	007	Indirect (UDP-DS5) (K27)	DP007
Dixmoor	LCalR	M	001	CDS-39	DM001
Dolton	LCalR	M	001	CDS-17	DT001
Dolton	LCalR	M	002	CDS-18	DT002
Dolton	LCalR	M	003	CDS-51	DT003
Evanston	NSC	U	003	I-109	MWRD102
Evanston	NSC	U	004	DS-M110	MWRD102
Evanston	NSC	U	005	DS-M106W	EVA07 (DS-M107-2)
Evanston	NSC	U	006	DS-M107-2	SK003 (DS-M107-1)
Evanston	NSC	M	009	TG-M105E	EV009
Evanston	NSC	M	010	DS-M104E	EV010
Evanston	NSC	U	011	DS-M103	SK005 (DS-M104W)
Evanston	NSC	U	012	DS-M102	SK005 (DS-M104W)
Evanston	NSC	U	013	DS-M101	EVA13
Evanston	NSC	M	A04	DS-M109S	EVA04

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Evanston	NSC	U	A06	DS-M108	SK003 (DS-M107-1)
Evanston	NSC	M	A07	DS-M107-2	EVA07
Evanston	NSC	U	A08	DS-M106E	SK002 (DS-M105W)
Evanston	NSC	U	A10	DS-M104E	EV010
Evanston	NSC	M	A13	DS-M101	EVA13
Evanston	NSC	U	NP	I-108	MWRD102
Forest Park	DPR	M	001	DS-D30,28	FP001
Forest Park	DPR	M	002	DS-D28	FP002
Forest View	CSSC	U	001	DS-M07	CG189
Franklin Park	DPR	M	001	DS-D13	FK001
Franklin Park	DPR	U	003	DS-D14	FK004
Franklin Park	DPR	M	004	DS-D14	FK004
Golf	WF-NBCR	U	001	Indirect (DS-N20)	MG002
Harvey	LCaIR	M	001	CDS-41	HV001
Harvey	LCaIR	M	002	CDS-41	HV002
Harvey	LCaIR	M	003	CDS-42	HV003
Harvey	LCaIR	M	004	CDS-43	HV004
Harvey	LCaIR	M	005	CDS-43	HV005
Harvey	LCaIR	M	006	CDS-45	HV006
Harvey	LCaIR	M	007	CDS-45	HV007
LaGrange	SC	M	001	DS-D47,50,51 & DS-13A-LG001	

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
LaGrange Park	SC	U	001	DS-13A-53	LP003
LaGrange Park	SC	U	002	DS-13A-53	LP003
LaGrange Park	SC	M	003	DS-D37,38	LP003
LaGrange Park	SC	U	004	DS-13A-54	LP003
LaGrange Park	SC	U	005	DS-13A-54	LP003
LaGrange Park	SC	U	006	DS-13A-54	LP003
Lansing / Calumet City	LCaIR	M	002 / 005	CDS-55	LS002
Lemont	I&M Canal	U	002	None	
Lemont	CSSC	U	003	None	
Lincolnwood	NSC	U	002	I-96	CG003
Lyons	DPR	M	001	DS-D49	LY001
Lyons	DPR	M	002	DS-D48	LY002
Lyons	DPR	M	003	DS-13A-4 (TG137)	LY003
Markham	CUDD	M	001	CDS-57	MH001
Maywood	DPR	M	001	DS-D22,24,25	MW002
Maywood	DPR	M	002	DS-D22,24,25	MW002
Maywood	DPR	M	003	DS-D21,25	MW003
Maywood	DPR	M	004	DS-D27I	MW004
Maywood	DPR	M	005	DS-D27I	MW005
Maywood	DPR	M	006	DS-D31	MW006
Maywood	DPR	M	007	DS-D32	MW007

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Maywood	DPR	M	008	DS-D33	MW008
Maywood	DPR	M	NP	DS-D22,24,25	MW NP (DS-D22, 24, 25)
Maywood	DPR	M	NP	DS-D21,25	MW NP (DS-D21,25)
Maywood	DPR	M	NP	DS-D21,25	MW NP (DS-D21, 25)
Maywood	DPR	M	NP	DS-D271	MW NP (DS-D271)
Maywood	DPR	M	NP	DS-D31	MW NP (DS-D31)
Melrose Park	DPR	M	001	DS-D52	MP001
Methodist Campground	DPR	U	NP	DS-D02	PR005
Morton Grove	NBCR	U	001	DS-N20	MG002
Morton Grove	NBCR	M	002	DS-N19	MG002
Mt. Prospect	Weller Creek	M	001	UDP-DS3 (K11)	MP001
Mt. Prospect	Weller Creek	M	002	UDP-DS3 (K14)	MP002
Mt. Prospect	Weller Creek	M	003	UDP-DS4 (K20)	MP003
Mt. Prospect	Weller Creek	M	004	UDP-DS6 (K22)	MP004
Mt. Prospect	Feehanville Ditch	M	005	UDP-DS8 (K25-1&K25-2)	MP005
Mt. Prospect	Feehanville Ditch	M	006	UDP-DS8 (K26)	MP006
Mt. Prospect	Weller Creek	M	NP	None (K3)	MP None (K3)
MWRD	CSSC	M	002	None	MWRD002
MWRD	LCaIR	M	004	TARP Outfall	MWRD004
MWRD	CSC	U*	006	Indirect	
MWRD	CSC	U*	007	Indirect	

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
MWRD	NSC	M	101	DS-M114N	MWRD101
MWRD	NSC	M	102	DS-M109N	MWRD102
MWRD	NSC	U	103	DS-M108	SK003 (DS-M107-1)
MWRD	NSC	M	104	DS-M106E	MWRD104
MWRD	NSC	M	105	DS-M100	MWRD105
MWRD	NBCR	M	107	DS-M90 & DS-M91 (NBP	MWRD107
MWRD	DPR	U	109	Indirect (DS-D03R)	DP001
MWRD	NSC	U	110	I-102	SK005 (DS-M104W)
MWRD	Weller Creek	M	111	UDP-DS1 (K2-1&K2-2)	MWRD111
MWRD	DPR	M	131	DS-D07	MWRD131
MWRD	DPR	M	132	DS-D08	MWRD132
MWRD	DPR	M	133	DS-D09	MWRD133
MWRD	DPR	M	134	DS-D19,23	MWRD134
MWRD	DPR	M	135	DS-D63	MWRD135
MWRD	DPR	U	136	DS-D34-DI	MW008
MWRD	SFSBCR	M	142	DS-M27,DS-M28,& DS-MMWRD142	
MWRD	CSSC	M	143	DS-M13	MWRD143
MWRD	CSSC	M	144	DS-M10	MWRD144
MWRD	CSSC	M	145	DS-M09	MWRD145
MWRD	CSSC	M	146	TG-13A	MWRD146

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
MWRD	CSSC	M	147	DS-M03	MWRD147
MWRD	CSSC	U	148	DS-M01	MWRD147
MWRD	CSSC	U	149	DS-M02	MWRD147
MWRD	Addison Creek	M	150	DS-D34-AI	MWRD150
MWRD	CaIR	M	151	cds34	MWRD151
MWRD	CaIR	M	152	CDS-28	MWRD152
MWRD	LCaIR	M	153	CDS-13	MWRD153
MWRD	CSC	M	154	CDS-11	MWRD154
MWRD	CSC	M	157	CDS-2	MWRD157
MWRD	CSC	M	158	18E PS	MWRD158
MWRD	CSC	U*	160	Indirect	
MWRD	CSC	M	163	CDS-4	MWRD163
MWRD / Blue Island	CSC	M	156 / 001	CDS-5	MWRD156
MWRD / Lincolnwood	NSC	U	106 / 001	I-97	CG003
Niles	NBCR	M	001	DS-N18	NI001
Niles	NBCR	M	002	DS-N17	NI002
Niles	NBCR	M	003	DS-N16	NI003
Niles	NBCR	U	006	DS-N15	NI003
Niles	NBCR	U	007	DS-N15	NI003
Niles	NBCR	M	009	DS-N11	NI090
Niles	NBCR	M	010	DS-N12	NI010

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Niles	NBCR	U	NP	Indirect (DS-N16)	NI003
Niles / Chicago	NBCR	M	008 / 236	DS-N13R	CG236
North Riverside	DPR	M	001	DS-D36	NR001
North Riverside	DPR	M	002	DS-D35	NR002
Park Ridge	DPR	M	002	DS-D05	PR002
Park Ridge	DPR	M	003	DS-D06	PR003
Park Ridge	DPR	M	004	DS-D07	PR004
Park Ridge	DPR	M	005	DS-D02	PR005
Park Ridge	DPR	M	006	DS-D05	PR006
Park Ridge	DPR	M	007	DS-D06	PR007
Park Ridge	DPR	M	008	DS-D07	PR008
Phoenix	LCaIR	M	001	CDS-45	PO001
River Forest	DPR	M	003	DS-D26	RF003
River Forest	DPR	M	004	DS-D29,64	RF004
River Grove	DPR	M	002	DS-D16	RG002
River Grove	DPR	M	003	DS-D17	RG003
River Grove	DPR	M	004	DS-D17	RG004
River Grove	DPR	M	005	DS-D18	RG005
River Grove	DPR	M	006	DS-D20I	RG006
River Grove / Franklin Park	DPR	M	001 / 002	DS-D15	FK002
Riverdale	LCaIR	M	002	CDS-15-1	RV002

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Riverdale	LCaIR	M	003	CDS-15-2	RV003
Riverdale	LCaIR	M	004	CDS-42	RV004
Riverdale	LCaIR	M	005	CDS-15-4	RV005
Riverdale	LCaIR	U	NP	CDS-15	RV003
Riverdale	LCaIR	M	NP	CDS-15-3	RV NP (CDS-15-3)
Riverside	DPR	U	007	None	
Riverside	DPR	M	010	DS-D44,45	RS010
Riverside	DPR	M	011	DS-D44,45	RS011
Riverside	DPR	M	012	DS-D41	RS012
Riverside	DPR	M	013	DS-D66	RS013
Riverside	DPR	M	NP	DS-D44,45	RS NP (DS-D44, 45)
Riverside	DPR	U	NP	None	
Robbins	CSC	U	NP	CI-3	BI005/PO001
Robbins	CSC	U	NP	CI-2	BI005/PO001
Robbins	CSC	U	NP	CI-1	BI005/PO001
Schiller Park	DPR	M	001	DS-D12I	SL001
Skokie	NSC	U	001	I-99	EV010
Skokie	NSC	M	002	DS-M105W	SK002
Skokie	NSC	M	003	DS-M107-1	SK003
Skokie	NSC	U	004	I-104	SK002 (DS-M105W)
Skokie	NSC	M	005	DS-M104W	SK005 (DS-M104W)

Metropolitan Water Reclamation District of Greater Chicago CSO Connections

<u>Owner</u>	<u>Waterway</u>	<u>Monitored or Unmonitored</u>	<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</u>
Skokie	NSC	U	NP	DS-M100	EV010
South Holland	LCaIR	M	001	CDS-C-1	SH001
South Holland	LCaIR	M	002	CDS-C-1	SH002
South Holland	LCaIR	M	003	CDS-48	SH003
South Holland	LCaIR	M	004	CDS-45	SH004
South Holland	LCaIR	M	005	Indirect (CDS-47)	SH003
South Holland	CUDD	U	NP	Indirect (CDS-47)	MH001
South Holland	LCaIR	M	NP	CDS-45	SH NP (CDS-45)
Stickney	CSSC	M	001	DS-M09	ST001
Summit	CSSC	U	001	DS-M5B	MWRD146
Summit	CSSC	M	002	TG-M05	SU002
Summit	CSSC	U	003	Indirect (DS-M03)	MWRD147
Western Springs	SC	U	001	DS-13A-55	LP003
Western Springs	SC	U	002	DS-13A-56	LP003
Wilmette	NSC	M	001	DS-M114N-2	WM001
Wilmette	NSC	U	002	DS-M113	MWRD101

OCTOBER O'BRIEN (NORTH SIDE) WRP CSO EVENTS & VOLUME ESTIMATES																
		Overflow Data			Storm Information				Total Volume (gal)							
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall-North (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs																

OCTOBER STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES																
Overflow Data					Storm Information				Total Volume (gal)							
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs																

OCTOBER CALUMET WRP CSO EVENTS & VOLUME ESTIMATES																	
		Overflow Data			Storm Information												
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)	
NO CSOs																	

NOVEMBER O'BRIEN (NORTH SIDE) WRP CSO EVENTS & VOLUME ESTIMATES																
			Overflow Data			Storm Information										
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall-North (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs																
TOTAL														0	0	0

NOVEMBER STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES

		Overflow Data			Storm Information											
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs																

NOVEMBER CALUMET WRP CSO EVENTS & VOLUME ESTIMATES																
		Overflow Data			Storm Information											
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs																

DECEMBER O'BRIEN (NORTH SIDE) WRP CSO EVENTS & VOLUME ESTIMATES																
		Overflow Data			Storm Information											
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall-North (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs																

DECEMBER STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES																
		Overflow Data			Storm Information											
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs																

DECEMBER CALUMET WRP CSO EVENTS & VOLUME ESTIMATES																
		Overflow Data			Storm Information											
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs																

OCTOBER-DECEMBER KIRIE WRP CSO EVENTS & VOLUME ESTIMATES

		Overflow Data			Storm Information											
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs																

OCTOBER - DECEMBER LEMONT WRP CSO EVENTS & VOLUME ESTIMATES

		Overflow Data			Storm Information											
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time	Estimated Storm Duration (min)	Total Rainfall (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc	ESTIMATED VOLUME WITH BOUNDARY CONDITIONS	BOD (Lbs)	SS (Lbs)
NO CSOs																

SUMMARY: TOTAL CSO VOLUME ESTIMATE				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
TOTAL	0	0.00	0	0

RAINFALL SUMMARY					
Start Date	Start Time	Stop Date	Stop Time	Duration (hr:min)	Total Rainfall Average (in)
9/26/2023	8:30 AM	9/27/2023	10:40 PM	38:10	0.49
10/5/2023	12:05 AM	10/5/2023	2:31 PM	14:26	0.37
10/11/2023	7:05 PM	10/12/2023	12:45 PM	17:40	0.43
10/13/2023	11:45 AM	10/15/2023	10:50 AM	47:05	1.23
10/25/2023	8:00 PM	10/27/2023	2:30 AM	30:30	0.22
11/20/2023	5:25 PM	11/21/2023	5:20 PM	23:55	0.81
12/1/2023	1:00 AM	12/2/2023	6:30 AM	29:30	0.66
12/3/2023	1:15 AM	12/3/2023	12:10 PM	10:55	0.25
12/16/2023	9:30 AM	12/17/2023	11:25 AM	25:55	0.44
12/22/2023	11:00 AM	12/23/2023	1:25 AM	14:25	0.46
12/25/2023	3:45 PM	12/26/2023	2:40 AM	10:55	0.31
12/28/2023	5:20 AM	12/29/2023	12:00PM	30:40	0.33

Mainstream				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
TOTAL	0	0	0	0

Calumet				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
TOTAL	0	0	0	0

Upper Des Plaines				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
TOTAL	0	0	0	0

MONTHLY PLANT CAPTURE									
	Flow (MG)			BOD (lbs)			SS (lbs)		
	October	November	December	October	November	December	October	November	December
O'Brien	6,107	5,370	7,068	3,768,996	3,762,007	4,362,087	7,945,451	5,329,510	8,311,544
Stickney	19,406	14,400	19,747	28,225,949	14,975,971	20,932,096	44,216,338	16,993,584	24,407,055
Calumet	5,828	5,010	7,316	3,888,442	3,551,589	4,088,034	3,694,020	2,674,138	4,515,143
Kirie	908	717	998	1,227,186	1,237,814	840,824	1,143,859	1,160,077	907,424
Lemont	84	63	96	117,972	138,711	105,795	189,174	115,592	88,162
TOTAL:	32,333	25,560	35,225	37,228,545	23,666,093	30,328,836	57,188,841	26,272,902	38,229,327

Plant	O'Brien			Stickney			Calumet			Kirie			Lemont		
	October	November	December	October	November	December	October	November	December	October	November	December	October	November	December
month	31	30	31	31	30	31	31	30	31	31	30	31	31	30	31
days	31	30	31	31	30	31	31	30	31	31	30	31	31	30	31
flow	197	179	228	626	480	637	188	167	236	29	24	32	3	2	3
month total flow	6,107	5,370	7,068	19,406	14,400	19,747	5,828	5,010	7,316	908	717	998	84	63	96
bod infl	78	89	79	179	132	133	86	92	73	164	209	103	174	270	138
bod eff	4	5	5	5	7	6	6	7	6	2	2	2	5	6	6
bod capture	3,768,996	3,762,007	4,362,087	28,225,949	14,975,971	20,932,096	3,888,442	3,551,589	4,088,034	1,227,186	1,237,814	840,824	117,972	138,711	105,795
ss infl	159	124	147	277	147	153	82	70	79	153	196	111	275	225	117
ss eff	3	5	6	4	5	5	6	6	5	2	2	2	4	5	7
ss capture	7,945,451	5,329,510	8,311,544	44,216,338	16,993,584	24,407,055	3,694,020	2,674,138	4,515,143	1,143,859	1,160,077	907,424	189,174	115,592	88,162