

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

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February 15, 2022

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 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 September 1, 2021 through December 31, 2021. 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/Serafino/Gronski

Metropolitan Water Reclamation District of Greater Chicago
Combined Sewer Overflow (CSO) Quarterly Report
2021 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</u>		<u>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</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>Monitored</u>	<u>or 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

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		<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

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		<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

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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

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		<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

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		<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

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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

<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	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>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</u>		<u>Outfall #</u>	<u>TARP 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>IARP 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	LCalIR	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

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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-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	LCaIR	M		004	TARP Outfall	MWRD004
MWRD	CSC	M		006	Indirect	
MWRD	CSC	M		007	Indirect	

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>				
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	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>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

*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>Outfall #</u>	<u>TARP Connection</u>	<u>Representative Outfall</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>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

October 2021 O'BRIEN (NORTH SIDE) 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-North (inches)	Area (Acres)	MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Rational Equation	Rain Calc	Pipe Capacity Calc				
NBPS	ALL	10/25/2021 08:36:00	10/25/2021 14:59:00	383.00													
TOTAL													384,000	214	1,280		

October 2021 STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES

DS #	TG #	Overflow Data			Storm Information					MONITORED OUTFALL MAXIMUM DISCHARGE (CFS)	Total Volume (gal)			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- North (inches)	Area (Acres)		Rational Equation	Rain Calc	Pipe Capacity Calc			
DSD06	TG 1	10/25/2021 07:41:37	10/25/2021 15:57:09	495.53	10/24/2021 9:30	10/25/2021 15:15	1785.00	1.93	587.00	317.00	8,540,208	30,763,429	70,508,754	8,540,208	4,760	28,417
DSD06	TG 1	10/28/2021 21:04:01	10/28/2021 22:16:13	72.20	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	587.00	56.00	400,511	12,592,284	1,814,831	400,511	224	1,335
DSD06	TG 1	10/29/2021 08:21:29	10/29/2021 08:31:29	10.00	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	587.00	389.00	55,472	12,592,284	1,746,065	55,472	31	185
DSD10	TG 1	10/25/2021 08:18:21	10/25/2021 09:16:05	59.73	10/24/2021 9:30	10/25/2021 15:15	1785.00	1.93	130.00	250.00	227,991	6,813,025	6,702,976	227,991	127	760
DSD10	TG 1	10/29/2021 14:32:29	10/29/2021 14:55:41	23.20	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	130.00	38.00	28,502	2,788,751	395,715	28,502	16	95
DSD121	TG 1	10/25/2021 08:58:21	10/25/2021 15:08:53	490.53	10/24/2021 9:30	10/25/2021 15:15	1785.00	1.93	210.00	240.00	3,024,442	11,005,856	52,843,390	3,024,442	1,687	10,075
DSD13	TG 1	10/25/2021 08:03:29	10/25/2021 11:16:25	192.93	10/24/2021 9:30	10/25/2021 15:15	1785.00	1.93	539.00	32.00	3,053,188	28,247,851	2,771,202	2,771,202	1,546	9,231
DSD201	TG 1	10/25/2021 08:21:29	10/25/2021 08:32:49	11.33	10/24/2021 9:30	10/25/2021 15:15	1785.00	1.93	60.00	140.00	19,965	3,144,473	712,191	19,965	11	67
DSD271	TG 2	10/28/2021 20:39:21	10/28/2021 22:11:21	92.00	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	180.00	90.00	156,495	3,861,348	3,716,561	156,495	87	522
DSD271	TG 2	10/29/2021 08:02:41	10/29/2021 10:37:17	154.60	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	180.00	210.00	262,979	3,861,348	14,572,689	262,979	147	876
DSD271	TG 2	10/29/2021 10:58:33	10/29/2021 14:55:41	239.13	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	180.00	175.00	406,773	3,861,348	18,784,043	406,773	227	1,356
DSD28	TG 1	10/28/2021 19:59:37	10/28/2021 20:48:21	48.73	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	346.00	68.00	159,346	7,422,369	1,487,462	159,346	89	531
DSD37	TG 2	10/25/2021 06:57:33	10/25/2021 08:59:25	121.87	10/24/2021 9:30	10/25/2021 15:15	1785.00	1.93	347.00	20.00	1,241,572	18,185,536	1,094,021	1,094,021	610	3,646
DSD39	TG 1	10/25/2021 07:00:45	10/25/2021 07:55:05	54.33	10/24/2021 9:30	10/25/2021 15:15	1785.00	1.93	166.00	20.00	264,808	8,699,709	487,761	264,808	148	883
DSD39	TG 2	10/25/2021 06:59:53	10/25/2021 10:15:13	195.33	10/24/2021 9:30	10/25/2021 15:15	1785.00	1.93	94.00	123.00	539,091	4,926,341	10,784,310	539,091	301	1,797
DSD41	TG 1	10/25/2021 09:41:37	10/25/2021 18:50:21	548.73	10/24/2021 9:30	10/25/2021 15:15	1785.00	1.93	278.00	200.00	4,478,820	14,569,392	49,260,889	4,478,820	2,498	14,915
DSD43	TG 1	10/29/2021 09:59:01	10/29/2021 20:41:21	642.33	10/24/2021 9:30	10/25/2021 15:15	1785.00	1.93	70.00	200.00	1,320,128	3,668,552	57,663,548	1,320,128	737	4,399
DSD48	TG 1	10/25/2021 09:58:53	10/25/2021 23:58:53	840.00	10/24/2021 9:30	10/25/2021 15:15	1785.00	1.93	43.00	24.00	1,060,487	9,049,018	1,060,487	1,060,487	592	3,534
DSD49	TG 1	10/25/2021 11:56:41	10/28/2021 02:24:13	867.53	10/24/2021 9:30	10/25/2021 15:15	1785.00	1.93	378.00	50.00	9,627,986	19,810,181	19,470,051	9,627,986	5,365	32,030
DSD10	TG 1	10/29/2021 17:20:29	10/30/2021 02:51:17	570.80	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	130.00	125.00	701,240	2,788,751	32,026,161	701,240	391	2,337
DSD18	TG 1	10/29/2021 18:23:49	10/29/2021 20:11:49	108.00	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	266.00	4.00	271,484	5,706,214	193,908	193,908	108	646
DSD271	TG 2	10/30/2021 03:59:00	10/30/2021 04:26:41	27.68	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	180.00	15.00	47,090	3,861,348	186,389	47,090	26	157
DSD271	TG 2	10/30/2021 04:27:00	10/30/2021 10:41:13	374.22	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	180.00	54.00	636,554	3,861,348	9,070,428	636,554	355	2,121
DSD41	TG 1	10/29/2021 19:42:53	10/30/2021 02:24:09	401.27	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	278.00	54.00	1,054,187	5,963,637	9,726,078	1,054,187	588	3,513
DSD43	TG 1	10/29/2021 19:39:57	10/30/2021 03:10:21	450.40	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	70.00	280.00	297,945	1,501,635	56,606,632	297,945	166	993
DSD43	TG 1	10/30/2021 03:10:57	10/30/2021 03:30:09	19.20	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	70.00	280.00	12,701	1,501,635	2,413,071	12,701	7	42
DSD43	TG 1	10/30/2021 03:57:33	10/30/2021 04:07:05	9.53	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	70.00	280.00	6,306	1,501,635	1,198,157	6,306	4	21
DSD48	TG 1	10/29/2021 19:49:33	10/30/2021 04:26:41	517.13	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	43.00	280.00	210,141	922,433	64,993,731	210,141	117	700
DSD48	TG 1	10/30/2021 04:27:00	10/30/2021 05:00:09	33.15	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	43.00	280.00	13,471	922,433	4,166,319	13,471	8	45
DSD49	TG 1	10/29/2021 19:18:41	10/30/2021 04:26:41	550.00	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	378.00	280.00	1,964,690	8,108,831	69,124,440	1,964,690	1,096	6,546
DSD49	TG 1	10/30/2021 04:27:00	10/30/2021 09:42:33	315.55	10/28/2021 14:00	10/30/2021 3:50	2270.00	0.79	378.00	280.00	1,127,196	8,108,831	39,658,576	1,127,196	629	3,756
RAPS	All	10/25/2021 18:30	10/25/2021 23:25	295.00										85,534,500	47,091	280,351
RAPS	All	10/29/2021 18:30	10/30/2021 7:50	800.00										358,112,000	188,545	1,110,588
WCPS	All	10/11/2021 16:29	10/11/2021 16:33	4.00										32,000	18	107
WCPS	All	10/24/2021 20:18	10/25/2021 2:32	374.00										256,000	143	853
WCPS	All	10/25/2021 7:03	10/25/2021 11:30	267.00										408,200	228	1,360
TOTAL											41,211,771	243,816,150	613,229,368	485,047,357	258,723	1,528,789

October 2021 CALUMET 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)	Total Rainfall (inches)								
NO CSOs																
TOTAL											0	0	0	0	0	0

November 2021 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	0	0	0	0		

November 2021 STICKNEY WRP CSO EVENTS & VOLUME ESTIMATES													
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)
DS #	TG #	Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time							
NO CSOs													
							TOTAL	0	0	0	0	0	0

November 2021 CALUMET WRP CSO EVENTS & VOLUME ESTIMATES																	
DS #	TG #	Overflow Data			Storm Information			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)
		Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time											
NO CSOs																	
Total											0	0	0	0	0	0	

December 2021 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																
Total											0	0	0	0	0	0

December 2021 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										Total	0	0	0	0	0	0

December 2021 CALUMET WRP CSO EVENTS & VOLUME ESTIMATES																	
DS #	TG #	Overflow Data			Storm Information			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)
		Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time											
NO CSOs											Total	0	0	0	0	0	0

October-December 2021 KIRIE WRP CSO EVENTS & VOLUME ESTIMATES																	
DS #	TG #	Overflow Data			Storm Information			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)
		Start Date & Time	Stop Date & Time	Duration (min)	Start Date & Time	Stop Date & Time											
NO CSOs																	
TOTAL														0.00	0.00	0.00	

October-December 2021 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, October 2021 - December 2021				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
October	485,431,357	485.43	258,937	1,530,069
November	0	0.00	0	0
December	0	0.00	0	0
TOTAL	485,431,357	485	258,937	1,530,069

Mainstream October-December 2021				
Month	Est CSO Volume (Gallons)	Est CSO Volume (MG)	BOD5 (Lbs)	SS (Lbs)
October	485,431,357	485.43	258,937	1,530,069
November	0	0.00	0	0
December	0	0.00	0	0
TOTAL	485,431,357	485.43	258,937	1,530,069

Calumet October-December 2021				
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 October-December 2021				
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

RAINFALL SUMMARY: October 2021 - December 2021

Start Date	Start Time	Stop Date	Stop Time	Duration (hr:min)	Total Rainfall Average (in)
10/2/2021	3:30 PM	10/3/2021	10:45 PM	31:15	1.60
10/7/2021	5:55 AM	10/8/2021	1:05 AM	19:10	0.60
10/8/2021	4:15 PM	10/8/2021	8:45 PM	4:30	0.22
10/11/2021	2:30 PM	10/12/2021	9:10 AM	18:40	1.19
10/13/2021	3:35 PM	10/14/2021	2:00 PM	22:25	0.44
10/24/2021	9:30 AM	10/25/2021	3:15 PM	29:45	2.71
10/28/2021	2:00 PM	10/30/2021	3:50 AM	13:50	1.03
11/11/2021	8:30 AM	11/11/2021	3:05 PM	6:35	0.41
12/5/2021	10:50 AM	12/5/2021	9:45 PM	10:55	0.21
12/10/2021	3:15 PM	12/11/2021	3:30 AM	12:15	0.83
12/26/2021	10:30 PM	12/27/2021	7:15 AM	8:45	0.59
12/28/2021	12:00 PM	12/28/2021	10:30 PM	10:30	0.38

MONTHLY PLANT CAPTURE - 4TH QTR 2021

	Flow (MG)			BOD (lbs)			SS (lbs)		
	October	November	December	October	November	December	October	November	December
O'Brien	7,801	5,789	6,546	5,830,246	5,623,041	7,076,040	8,774,751	6,496,914	9,597,914
Stickney	22,036	19,161	17,135	53,501,321	42,294,459	45,007,192	76,526,882	53,974,897	56,691,727
Calumet	7,648	8,391	7,346	17,116,831	22,654,841	7,304,906	33,540,453	33,719,150	8,775,699
Kirie	1,304	820	962	1,319,653	1,044,817	1,189,476	1,372,660	949,689	1,101,148
Lemont	79	64	74	104,277	79,726	111,935	128,468	120,569	128,141
TOTAL:	38,868	34,225	32,063	77,872,327	71,696,884	60,689,550	120,343,214	95,261,218	76,294,628