

DOWNERS GROVE SANITARY DISTRICT
GENERAL MANAGER'S REPORT
January 13, 2023

January Board Meeting

Copies of documentation for the following agenda items are enclosed for the January 17, 2023 meeting:

- 1) Proposed Agenda
- 2) Minutes of the December 20, 2022 regular meeting
- 3) Claim Ordinance 1921
- 4) Operations Report – 2022 WWTC Annual Summary
- 5) Operations Report – 2022 Collection System Construction Summary
- 6) Operations Report – 2022 Collection System Performance
- 7) Operations Report – 2023 Collection System Work Plan
- 8) Executive Session – 2023-24 Salary Schedule (*Confidential under Separate Cover*)

BOLI Meeting

There is no BOLI meeting scheduled this month.

Operations Reports

Copies of the following are enclosed for December operations:

- 1) Progress Report from Carly on Administrative Services activities.
- 2) The WWTC Operations Report from Marc.
- 3) The WWTC/Lift Station Maintenance Report from Jeff.
- 4) Progress Report from Bob on Collection System Maintenance activities.
- 5) Progress Report from Keith on Collection System Construction activities.
- 6) Progress Report from Reese on Laboratory activities.
- 7) Engineering Report from Alex

Infiltration/Inflow Removal Work

Inspection efforts on private property under the I/I program with the intention of conducting I/I removal are ongoing in the 2C-025 in downtown Downers Grove. A map showing progress for the 2C-025 area is included herein, as well as a status summary sheet.

Safety

Medical evaluations have been completed for all employees who will be using the new PAPR (Powered Air Purifying Respirators) system. This OSHA-required evaluation consists of a health questionnaire that is reviewed privately by a provider at Edward Elmhurst Occupational Health.

A year-end audit of the District's chemical inventory is complete, and the SDS database has been updated.

Directional signs have been designed, purchased, and received for Northwest Lift Station. The signs include a 2-sided reflective address sign on Finley Road, two arrow signs on the road to the lift station, and a detailed address sign at the lift station itself. These signs will assist employees with calling in and emergency and assist first responders in locating the station. The signs will be installed when the ground thaws.

The first Safety Committee meeting of 2023 is scheduled for January 18th.

Financial

A copy of the Investment Schedule as of December 31, 2022 is enclosed.

The Treasurer's Report for December 2022 covering the first eight months of FY 22-23 is included herein, along with a summary cover memo.

Meetings

I attended the following meetings since the December 16, 2022 General Manager's report:

- December 19 attended NACWA Water Quality Committee meeting
- January 5 & 6 attended CSWEA Executive Committee meeting in St. Paul
- January 6 attended Illinois Wastewater Surveillance System (IWSS) Monthly Engagement meeting
- January 13 attended IAWA Executive Committee meeting at Starved Rock.
- January 13 attended IAWA Technical Committee meeting at Starved Rock. Keith also attended.

Miscellaneous

I took vacation on December 22, 23 and 30.

Copies of the following items are enclosed:

- 1) General Manager's Report to the Employees dated December 30 and January 13

cc: WDVb, AES, JMW, BOLI, MGP, CS

**DOWNERS GROVE SANITARY DISTRICT
BOARD OF TRUSTEES MEETING
JANUARY 17, 2023 – 7:00 PM
BOARD ROOM**

PROPOSED AGENDA

- I. APPROVAL OF MINUTES
 - A. REGULAR MEETING – DECEMBER 20, 2022
- II. APPROVAL OF CLAIM ORDINANCE NO. 1921
- III. PUBLIC COMMENT
- IV. OLD BUSINESS
- V. NEW BUSINESS
 - A. OPERATIONS REPORTS
 - 1. 2022 WWTC OPERATIONS SUMMARY
 - 2. 2022 COLLECTION SYSTEM CONSTRUCTION SUMMARY
 - 3. 2022 COLLECTION SYSTEM PERFORMANCE
 - 4. 2023 COLLECTION SYSTEM WORK PLAN
- VI. EXECUTIVE SESSION
 - To discuss employee compensation per exception 2(c)1 of the Illinois Open Meetings Act.

PUBLIC COMMENT:

The District has an online form for the Public who cannot attend the meeting to submit public comment. District staff shall read aloud any received public comments during the Public Comment portion of the meeting. Public comments for Public not attending the meeting in person need to be submitted before 4:00 p.m. on January 17, 2023. The form can be found here:
<https://www.dgsd.org/government/public-comment/>



MINUTES

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, December 20, 2022, convening at 7:00 p.m. The meeting was held at the District's Administration Center, 2710 Curtiss Street, Downers Grove. Present were Trustees Wally D. Van Buren, Amy E. Sejnost, Jeremy M. Wang, General Manager Amy R. Underwood, Administrative Supervisor Carly S. Shaw, Lab Supervisor D. Reese Berry, Information Coordinator Alyssa J. Caballero and Attorney Michael G. Philipp.

Minutes of Regular Meeting – November 15, 2022

A motion was made by Trustee Sejnost seconded by Trustee Wang approving the minutes of the regular meeting held on November 15, 2022 and authorizing the President and Clerk to sign same. The motion carried.

Claim Ordinance No. 1920

A motion was made by Trustee Wang seconded by Trustee Sejnost adopting Claim Ordinance No. 1920 in the total amount of \$960,610.54 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

Public Comment - None

New Business

Schedule of Regular Meetings for 2023

General Manager Underwood presented the proposed Schedule of Regular Meetings for Calendar Year 2023. Trustee Sejnost noted that she had a conflict with the proposed June 20 date. A revised date of June 27 was selected. A motion was made by Trustee Van Buren seconded by Trustee Sejnost approving the Schedule of Regular Meetings for calendar year 2023 with the revised June date. The motion carried. The finalized schedule will be provided to the local papers and posted on the District's website.

Annexation Ordinance AO 2022-17 – 297 and 299 60th Street, Downers Grove

Staff presented Annexation Ordinance No. AO 2022-17 for the annexation of two single-family lots located at located at 297 and 299 60th Street, Downers Grove. A motion was made by Trustee Sejnost seconded by Trustee Wang accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2022-17 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

Operations Report – SCADA

General Manager Underwood presented an operations report reviewing the District's SCADA system used for monitoring and control of Wastewater Treatment Center and lift station operations. She highlighted automation, the extent of data and control provided by the SCADA system, and proposed future improvements.

Other New Business

Trustee Van Buren welcomed Samantha Gudewicz, the new Lab Analyst, and Aaron Gutierrez, the new Maintenance Mechanic, to the District. He noted there was a decrease in past due charges for user billing. He commended the cost savings for the tunnel piping support repairs, noted in Maintenance Supervisor Barta's report. Trustee Van Buren noted the U.S. EPA letter regarding approval of local limit modifications and the Fall/Winter Newsletter from DuPage River Salt Creek Workgroup.

Trustee Sejnost also welcomed Samantha Gudewicz, the new Lab Analyst, and Aaron Gutierrez, the new Maintenance Mechanic, to the District. She expressed her appreciation to General Manager Underwood for her continued involvement in professional organizations that further the wastewater treatment industry. She commended the cost savings for the tunnel piping support repairs, noted the Munters unit gas valve replacement project in the sand filter building, and inquired about the cylinder head and turbo charger replacement for CHP #1, all noted in Maintenance Supervisor Barta's report. Trustee Sejnost inquired about the increase of SARS-CoV-2 levels in our wastewater, noted in the November and December reports. Lastly, she wished everyone safe and happy holidays.

Trustee Wang also noted the increase of SARS-CoV-2 levels in our wastewater, noted in the November and December reports.

A motion was made by Trustee Wang seconded by Trustee Sejnost to adjourn the regular meeting at 8:01 p.m. The motion carried.

Approved: January 17, 2023

President

Attest: _____
Clerk

Downers Grove, Illinois

Date: January 17, 2023

Claim Ordinance No. 1921

An Ordinance Providing for the Payment of Certain Claims.

WHEREAS, it appears to the Board of Trustees of the Downers Grove Sanitary District that there are certain claims against said District which would be allowed and paid therefore,

BE IT ORDAINED, by the Board of Trustees of the Downers Grove Sanitary District

That the following claims be and they are hereby approved and ordered paid and that an order be drawn on the Treasurer of said District out of the funds shown below. Said claims, totaling **\$603,131.20** being in words and figures as follows:

PAYROLL END DATE: 12.15.22
PAYROLL PAID DATE: 12.19.22
G/L DATE: 01.31.23

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		22726.81-
01-00.2000	FEDERAL TAX WITHHELD		3886.36-
01-00.2001	STATE TAX WITHHELD		1576.73-
01-00.2002	SOCIAL SECURITY WITHHELD		2117.99-
01-00.2003	IMRF WITHHELD		1187.23-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		868.66-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		300.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		498.35-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		152.16-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		117.00-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	10127.72	
01-11.A007	CODE ENFORCEMENT	8991.22	
01-12.A009	OPERATIONS MANAGEMENT	4552.55	
01-12.A011	MAINTENANCE - WWTC	4402.38	
01-12.A014	MAINTENANCE - ELECTRICAL	511.16	
01-12.A021	WWTC - OPERATIONS	300.90	
01-12.A030	BUILDING AND GROUNDS	255.88	
01-13.A041	LAB - WWTC	3054.63	
01-13.A042	LAB - PRETREATMENT	1101.76	
01-13.A043	LAB - SURCHARGE PROGRAM	250.15	
		33548.35	33548.35-

GENERAL LEDGER RECAP
DATE 12/28/22 PERIOD END 12/24/22

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G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		56485.03-
01-00.2000	FEDERAL TAX WITHHELD		10079.91-
01-00.2001	STATE TAX WITHHELD		4168.75-
01-00.2002	SOCIAL SECURITY WITHHELD		6923.49-
01-00.2003	IMRF WITHHELD		4046.74-
01-00.2005	CLEARING		20.89-
01-00.2013	CREDIT UNION WITHHELD		2419.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3821.04-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		184.03-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		192.31-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1378.73-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		246.84-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		295.53-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		200.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		145.35-
01-11.A003	GENERAL MANAGEMENT	980.94	
01-11.A004	FINANCIAL RECORDS	7746.53	
01-11.A005	ADMINISTRATIVE RECORDS	772.14	
01-11.A007	CODE ENFORCEMENT	6309.37	
01-11.A008	SAFETY ACTIVITIES	1286.39	
01-11.A030	BUILDING AND GROUNDS	322.86	
01-12.A006	ENGINEERING	2424.80	
01-12.A011	MAINTENANCE - WWTC	16211.71	
01-12.A012	MAINTENANCE - VEHICLES	577.50	
01-12.A014	MAINTENANCE - ELECTRICAL	7680.89	
01-12.A021	WWTC - OPERATIONS	14579.40	
01-12.A022	WWTC - SLUDGE HANDLING	4421.19	
01-12.A023	WWTC - ENERGY RECOVERY	183.30	
01-12.A030	BUILDING AND GROUNDS	3554.11	
01-13.A041	LAB - WWTC	4777.61	
01-14.A051	SEWER MAINTENANCE	11016.74	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	785.79	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	2027.26	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	332.22	
01-14.A064	INSPECTION - MISCELLANEOUS	1654.86	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	213.99	
01-14.A066	INSPECTION - CODE ENFORCEMENT	2401.16	
01-15.A080	LIFT STATION MAINTENANCE	346.88	
		90607.64	90607.64-

GENERAL LEDGER RECAP

DATE 01/05/23

PERIOD END 12/31/22

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Payroll Ending Date: 12/31/22

Payroll Paid Date: 01/04/23

GL Date: 01/31/23

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		21725.46-
01-00.2000	FEDERAL TAX WITHHELD		3565.85-
01-00.2001	STATE TAX WITHHELD		1542.20-
01-00.2002	SOCIAL SECURITY WITHHELD		2513.71-
01-00.2003	IMRF WITHHELD		1478.64-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1539.25-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		300.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		498.35-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		152.16-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		115.65-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	10206.16	
01-11.A007	CODE ENFORCEMENT	8991.21	
01-12.A006	ENGINEERING	159.30	
01-12.A009	OPERATIONS MANAGEMENT	4408.00	
01-12.A011	MAINTENANCE - WWTC	4250.30	
01-12.A014	MAINTENANCE - ELECTRICAL	115.11	
01-12.A021	WWTC - OPERATIONS	207.70	
01-12.A030	BUILDING AND GROUNDS	804.01	
01-13.A009	OPERATIONS MANAGEMENT	2754.15	
01-13.A041	LAB - WWTC	400.64	
01-13.A042	LAB - PRETREATMENT	1251.75	
		33548.33	33548.33-

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
A-FORMULA MECHANICAL CORP	A000065	12/15/22	43553	01-12.B811	SF BLDG 1&2 DEHUMID SVC	217.50	217.50	104579
ACI Payments Inc.	A000096	12/22/22	1000084684	01-11.B110	OLR FEES	29.80	29.80	104580
ADVOCATE OCCUPATIONAL HEALTH	A000150	12/08/22	838163	01-12.B117	(3) DRUG TESTS	172.00	172.00	063976
ALTORFER INDUSTRIES, INC.	A000292	12/27/22	PM6A0013884	01-15.B523	EARLSTON GEN VALVE ADJUST	1035.90		
		12/27/22	PM6A0013885	01-15.B521	CENTEX GEN VALVE ADJUST	1035.90		
		12/27/22	PM6A0013886	01-15.B525	LIB PARK GEN VALVE ADJUST	1041.31	3113.11	104581
SYNCHB/AMAZON	A000295	12/14/22	BPVXPMPHFIMS	01-11.B113	SAFETY HELMET	116.89	116.89	063977
Amazon Business	A000296	01/03/23	164L6D49VY4Y	01-11.B117	AB COURSE BOOK	87.19		
		01/06/23	16QTCYCY61DW	01-12.B116	(3) WALL CALENDARS	60.93		
		01/04/23	17DL6JQG64LQ	01-12.B112	JB PHONE HOLSTER/CASE	10.98		
		12/22/22	17VDHP4RXKCL	01-12.B116	MM BOOTS	31.50		
		01/07/23	197QVWXGDCJT	01-11.B116	CALENDARS	68.85		
		01/07/23	197QVWXGDCJT	01-14.B116	CALENDARS	37.49		
		01/09/23	1DG7NRD4P44J	01-12.B117	AG OUTER WEAR RETURN	58.05		
		12/27/22	1G4VDPDXM3PC	01-13.B115	CABLE FOR PRINTER	11.97		
		12/26/22	1KNRMJJCJXTP	01-12.B117	MM OUTER WEAR	29.99		
		01/07/23	1NHJKKXTCWTW	01-11.B112	PHONE CASE	11.99		
		01/07/23	1NHJKKXTCWTW	01-12.B112	SCREEN PROTECTOR	11.99		
		01/07/23	1NHJKKXTCWTW	01-13.B112	SCREEN PROTECTOR	12.99		
		12/28/22	1P1KX1P61C36	01-13.B117	WATER ORGANISM ATLAS	175.93		
		01/02/23	1Q6HCF6VR3K4	01-12.B117	AG OUTERWEAR	58.05		
		12/31/22	1TLRG9Q9HVFG	01-12.B117	AG OUTERWEAR	318.93		
		12/15/22	1YJFVHLV76CR	01-14.C225	10 AMP BATTERY CHARGER	97.00	967.73	104582
ATLAS FIRST ACCESS, LLC	A000523	12/21/22	Q49499	01-11.B113	FORKLIFT TRAINING	2350.00	2350.00	104583
AUTOZONE - AZ COMMERCIAL	A000600	12/30/22	2576240262	01-12.B501	VEHICLE SUPPLIES	11.68		
		01/10/23	2576246711	01-12.C225	OIL FILTERS	14.18		
		01/10/23	2576247080	01-12.B116	WINDSHIELD WATER FLUID	17.94		
		01/10/23	2576247081	01-12.C225	MOTOR OIL	45.38	89.18	063978
Barnes & Thornburg LLP	B000068	12/15/22	3041467	01-11.B124	LEGAL SERVICES	6541.00	6541.00	064012
BAXTER & WOODMAN, INC.	B000120	12/19/22	0241622	01-14.B902	OUTFALL CONSTRUCTION SVC	437.50		
		12/19/22	0241624	01-14.B901	CURTISS ST CIPP LINING	4082.50		
		12/19/22	0241625	01-11.B124	MISC SERVICES	240.00		
		12/19/22	0241629	01-12.B812	WWTC & LS CODE REVIEW	3547.50	8307.50	104584
CAREERSAFE	C000087	01/03/23	CS542350	01-11.B113	JG OSHA CLASS	59.00	59.00	064013
CINTAS #344	C000300	12/20/22	4140952029	01-12.B117	WWTC UNIFORMS	208.14		
		12/20/22	4140952029	01-14.B117	SS UNIFORMS	19.17		
		01/10/23	4143062669	01-12.B117	WWTC UNIFORMS	154.79		
		01/10/23	4143062669	01-14.B117	SS UNIFORMS	19.17	401.27	063979
CINTAS FIRST AID & SAFETY	C000320	12/14/22	5136777406	01-11.B113	FIRST AID REPLENISH	401.10	401.10	063980
COMCAST	C000373	12/02/22	877120120005	01-11.B112	INTERNET BACK UP	119.90	119.90	063981
Comcast	C000375	01/01/23	163391209	01-11.B112	INTERNET SERVICE	830.00	830.00	063982
COMED	C000380	12/22/22	6770572011	01-12.B100	WALNUT HSE ELECTRIC	33.96		
		12/22/22	6770572011	01-14.B910	BSSRAP YARD ELECTRIC USE	215.91		
		12/22/22	8762083052	01-12.B100	BIG TOP ELECTRIC	95.79	345.66	063983
CONCENTRIC INTEGRATION, LLC	C000410	12/19/22	0241626	01-11.B115	2022-2023 SUPPORT SVCS	1914.83		
		12/19/22	0241626	01-12.B513	2022-2023 SUPPORT SVCS	3887.67		

===== VENDOR =====		===== INVOICE =====						
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		12/19/22	0241628	01-11.B115	SECURITY AWARE TRAIN-3YR	3116.12		
		12/19/22	0241628	01-12.B513	T&M SERVICES-SCADA	1145.94		
		12/19/22	0241630	01-11.B115	ADMIN SERVER REPLACEMENT	2370.00	12434.56	104585
COVERALL NORTH AMERICA, INC	C000557	01/01/23	1010706875	01-12.B812	MSB CLEANING	304.00		
		01/01/23	1010706875	01-13.B116	LAB CLEANING	157.00		
		01/01/23	1010706876	01-11.B118	ADMIN CTR CLEANING	429.00	890.00	104586
CUMMINS, INC.	C000650	12/09/22	F295255	01-12.B501	DUMPTRUCK REPAIR/MAINT	2496.91		
		12/15/22	F296242	01-14.C225	JETTER REPAIRS	3105.24		
		12/16/22	F296374	01-12.B501	DUMPTRUCK REPAIRS	1299.46	6901.61	063984
DAHME MECHANICAL INDUSTRIES	D000030	12/29/22	20220516	01-12.B513	MAIN GAS LINE REPLACEMENT	5750.00	5750.00	104587
DELTA INDUSTRIES, INC.	D000210	12/07/22	SIN006223	01-12.B513	PRIM PUMP AIR COMP REPAIR	361.73	361.73	104588
DELTA SONIC	D000220	12/30/22	10709425	01-14.C225	CAR WASHES	24.99	24.99	063985
VILLAGE OF DOWNERS GROVE	D000480	12/09/22	4039	01-11.C222	ADMIN FUEL NOVEMBER	111.07		
		12/09/22	4039	01-12.C222	PLANT FUEL NOVEMBER	2117.23		
		12/09/22	4039	01-13.C222	LAB FUEL NOVEMBER	73.70		
		12/09/22	4039	01-14.C222	SS FUEL NOVEMBER	1620.43		
		12/30/22	5390	01-11.B121	JUNE 2022 METER READINGS	441.93		
		12/30/22	C2027270001	01-12.B102	PLANT WATER	796.40		
		12/30/22	C2027271001	01-11.B102	ADMIN CTR WATER	55.29	5216.05	063986
EDWARD OCCUPATIONAL HEALTH	E000027	10/31/22	0015945300	01-11.B113	EMPL HEP B VACCINE	80.00		
		11/30/22	0016049000	01-11.B113	EMPL RESPIRATOR REVIEW	35.00	115.00	063987
EVOQUA WATER TECHNOLOGIES	E000470	12/16/22	905650069	01-12.B503	CROSS COLLECTORS HANGER	3286.84	3286.84	104589
EXODUS TECHNOLOGY SERVICE	E000480	12/19/22	22212	01-11.B124	NOV IT SUPPORT SVCS	2550.00	2550.00	063988
EYE MED VISION CARE	E000600	01/01/23	165587970	01-17.E455	VISION INSURANCE	459.92	459.92	063989
FEDEX KINKO'S	F000075	12/29/22	361300024840	01-13.B116	LAB SUPPLIES	17.47	17.47	063990
FIRST ADVANTAGE	F000130	12/31/22	2501472212	01-12.B117	DRUG TEST	18.82		
		12/31/22	2501472212	01-14.B117	DRUG TEST	35.14	53.96	104590
Foster's Test Lane	F000270	12/15/22	41377	01-12.C225	VEHICLE INSPECTION	60.00		
		12/15/22	41377	01-14.C225	VEHICLE INSPECTIONS	100.50	160.50	063991
FRANK FURTAK	F000550	01/10/23	REIMBURSE	01-12.B117	FF SHOES	99.99	99.99	063992
G.P. MAINTENANCE SERVICES	G000070	12/20/22	PAINTING	01-12.B505	BAR SCREEN PAINTING	450.00		
		12/20/22	PAINTING	01-12.B805	BAR SCREEN PAINTING	1150.00		
		12/20/22	PAINTING	01-12.B812	MSB PAINTING	73200.00	74800.00	104591
GEORGE'S LANDSCAPING	G000260	12/31/22	DECEMBER	01-12.B812	FENCE LINE CLEARING	1039.92	1039.92	104592
W. W. GRAINGER, INC.	G000520	12/08/22	9538399735	01-12.B512	SEE SHEET	151.23		
		12/12/22	9541943669	01-12.B512	SEE SHEET	222.54		
		12/13/22	9543112123	01-12.B813	SEE SHEET	58.02		
		12/14/22	9544565956	01-11.B113	SEE SHEET	27.88		
		12/14/22	9545248511	01-12.B512	SEE SHEET	464.36		
		12/14/22	9545484967	01-12.B501	SEE SHEET	7.26		
		12/15/22	9546644684	01-12.B116	SEE SHEET	3.63		
		12/15/22	9546644692	01-12.B116	SEE SHEET	13.56		
		12/19/22	9548467928	01-12.B506	SEE SHEET	60.81		
		12/19/22	9549106749	01-12.B113	SEE SHEET	155.82		
		12/19/22	9549106756	01-12.B512	SEE SHEET	33.08		
		12/19/22	9549153659	01-12.B113	SEE SHEET	165.30		

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		12/20/22	9550239785	01-12.B509	SEE SHEET	37.11		
		12/20/22	9550639414	01-12.B506	SEE SHEET	25.47		
		12/22/22	9550639422	01-12.B506	SEE SHEET	8.49		
		12/20/22	9550673462	01-12.B103	SEE SHEET	404.75		
		12/21/22	9551912075	01-12.B512	SEE SHEET	97.67		
		12/21/22	9552378151	01-12.B512	SEE SHEET	2.02		
		12/27/22	9554797317	01-12.B116	SEE SHEET	96.67		
		12/28/22	9557241958	01-12.B810	SEE SHEET	1004.01		
		12/29/22	9557870012	01-12.B117	SEE SHEET	57.98		
		12/29/22	9558251998	01-12.B512	SEE SHEET	42.00		
		12/29/22	9558252004	01-12.B809	SEE SHEET	26.58		
		01/03/23	9559596151	01-12.B113	SEE SHEET	31.14		
		01/03/23	9560718034	01-12.B812	SEE SHEET	83.36		
		01/05/23	9562776006	01-12.B512	SEE SHEET	4.34		
		01/05/23	9563109371	01-14.B113	SEE SHEET	28.70		
		01/06/23	9564442987	01-12.B512	SEE SHEET	10.03		
		01/06/23	9565081826	01-12.B117	SEE SHEET	54.76		
		01/09/23	9566302551	01-12.B113	SEE SHEET	211.24		
		01/10/23	9568480926	01-12.B512	SEE SHEET	29.40		
		01/10/23	9568480934	01-12.B512	SEE SHEET	23.46	3642.67	104593
HML, INC.	H000035	12/28/22	97121	01-13.B123	BIOSOLIDS PATHOGEN TEST	1025.00	1025.00	063993
HARRINGTON IND. PLASTICS LLC	H000090	11/16/22	02310822	01-12.B512	PVC PIPE-HYPOCHLORITE	654.00		
		11/16/22	02310821	01-12.B512	PVC FITTINGS/VALVES-HYPO	438.40		
		12/12/22	02311328	01-12.B810	HOSE SPIGOT LINE VALVES	134.64		
		12/15/22	02311416	01-12.B510	W GRSE PIT WASH DWN VLVS	249.71	1476.75	104594
HOME DEPOT	H000400	12/13/22	0012801	01-12.B512	SEE SHEET	5.46		
		12/21/22	2023873	01-12.B116	SEE SHEET	71.95		
		12/29/22	4020527	01-12.B116	SEE SHEET	22.96		
		12/29/22	4024364	01-12.B505	SEE SHEET	187.22		
		12/27/22	6032860	01-14.B115	SEE SHEET	27.75		
		12/27/22	6080132	01-14.B115	SEE SHEET	71.91		
		12/27/22	6113707	01-14.B115	SEE SHEET	27.75-		
		01/05/23	7024965	01-12.B512	SEE SHEET	119.00		
		01/05/23	7024966	01-12.B502	SEE SHEET	71.76		
		12/14/22	9023155	01-13.B115	SEE SHEET	35.55		
		12/14/22	9023182	01-13.B115	SEE SHEET	48.12	633.93	063994
IDEA MARKETING GROUP	I000030	01/01/23	R14168	01-11.B115	MONTHLY WEB HOSTING	95.00	95.00	063995
Inland Com Prop Mgmt	I000280	01/11/23	REIMBURSE	01-05.3001	REIMBURSE ACCOUNT	4848.39	4848.39	063996
IMPACT NETWORKING INC.	I000400	12/20/22	2822411	01-11.B115	COPIER SERVICE	94.85	94.85	104595
INFOSEND, INC.	I000415	09/07/22	220493	01-11.B120	NEWSLETTER ENVELOPES	2137.50		
		12/31/22	226870	01-11.B121	MAILING SERVICES	4544.64	6682.14	104596
John Crane Inc.	J000120	12/20/22	23A046511	01-12.B505	EXC REC PUMP 7 SEAL PARTS	1611.74		
		12/23/22	23A047369	01-12.B505	EXC RAW SEW PUMP 7 SEAL	4936.93	6548.67	063997
KANSAS CITY LIFE INSURANCE CO	K000045	01/01/23	103839900	01-17.E455	LIFE INSURANCE	421.48	421.48	104597
LAI, LTD	L000012	01/09/23	2218987	01-12.B505	BAR SCRIN COMPCTR 1 PARTS	8329.00		
		12/27/22	2219947	01-12.B506	PRIM CLAR 4 VALVE REPLACE	2116.21		

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		12/29/22	2219963	01-12.B513	FLTR BLDG GAS VALVE	529.91	10975.12	104598
JOE MAGIERA	M000070	01/07/23	REIMBURSE	01-12.B117	JM OUTER WEAR	239.98	239.98	104599
MCMaster-CARR SUPPLY COMPANY	M000360	12/28/22	90227440	01-12.B505	MSB SUPPLIES	20.70		
		01/10/23	90773721	01-12.B113	LIFTING SCALE	366.49	387.19	104600
MENARDS - BOLINGBROOK	M000430	12/16/22	43049	01-12.B113	RF WINTER WORK GLOVES	24.99		
		12/16/22	43049	01-12.B116	MAINT REP SUPPLIES	3.97		
		12/29/22	43707	01-12.B117	NW WORK GLOVES	21.99		
		12/29/22	43707	01-12.B812	CLOSET DOOR HANDLE	81.99	132.94	063998
MICRO CENTER	M000550	12/30/22	5950366	01-12.B513	SCADA PANEL UPS UNIT	159.98		
		12/30/22	5950366	01-13.B115	AMMONIA ANALYZER UPS	139.99	299.97	104601
MIDAMERICAN ENERGY SERVICES, LLM	000554	12/22/22	259824	01-15.B100	NW LS ELECTRIC	1280.25		
		12/20/22	259825	01-15.B100	LIB PARK LS ELECTRIC	382.07		
		12/20/22	259827	01-15.B100	BUTTERFLD LS ELECTRIC	264.95		
		12/27/22	259829	01-15.B100	VENARD LS ELECTRIC	684.53		
		12/20/22	259830	01-15.B100	CENTEX LS ELECTRIC	121.59		
		12/20/22	259831	01-15.B100	COLLEGE LS ELECTRIC	385.59		
		12/20/22	259838	01-15.B100	EARLSTON LS ELECTRIC	314.38		
		12/20/22	462517	01-15.B100	WROBLE LS ELECTRIC	1017.59		
		12/20/22	462518	01-15.B100	HOBSON LS ELECTRIC	1913.82	6364.77	104602
MOTION INDUSTRIES, INC.	M000750	11/11/22	IL1000747050	01-15.B524	MODIFY & CUT DOWN REDUCER	538.36	538.36	104603
MUNICIPAL MARKING	M000820	12/14/22	35038	01-14.B116	MARKING PAINT	849.00	849.00	104604
NALCO WATER PRETREATMENT	N000030	12/30/22	2683864	01-13.B116	DI WATER SYS PARTS	421.50		
		12/30/22	2692560	01-13.B116	DI WATER SYS PARTS	393.41	814.91	104605
NAPA AUTO PARTS	N000040	12/01/22	3266012023	01-00.2017	LIFE INSURANCE	272.00		
		12/20/22	4343814447	01-12.B116	OPS SUPPLIES	59.57	331.57	063999
NEUCO, INC.	N000260	12/29/22	64777062	01-12.B513	CHP2 HW PMP SHFT SEAL KIT	231.15		
		01/04/23	6489216	01-12.B513	CHP2 HW PMP SHFT SEAL KIT	590.55	821.70	104606
NICOR GAS	N000330	12/14/22	15876210004	01-12.B101	PLANT GAS	467.67		
		12/14/22	44976210003	01-12.B101	PLANT 2 GAS	358.92		
		12/14/22	51006900008	01-12.B101	CHEM FEED GAS	344.98		
		12/14/22	54976210002	01-11.B101	ADMIN CTR GAS	343.88		
		12/14/22	87801017812	01-12.B101	WALNUT HSE GAS	194.72	1710.17	064000
ATLAS FORMS & GRAPHICS	N000700	01/10/23	161696	01-11.B120	CHECKS	338.98	338.98	064001
OLLMANN ERNEST MARTIN ARCHITECT	0000281	12/15/22	1	01-11.B118	ADMIN BLDG REMODEL CM	3045.00	3045.00	064014
PACE ANALYTICAL	P000010	01/05/23	2340127041	01-13.B123	DECEMBER NPDES TESTING	124.89	124.89	104607
PEERLESS NETWORK, INC	P000175	01/15/23	590611	01-11.B112	ADMIN PHONE SERVICE	352.95		
		01/15/23	590611	01-12.B112	PLANT PHONE SERVICE	790.60	1143.55	104608
PETTY CASH	P000350	01/12/23	CASH BOX	01-00.2005	MISSING RECEIPT REIMBURSE	67.13		
		01/12/23	CASH BOX	01-11.B119	POSTAGE	10.50		
		01/12/23	CASH BOX	01-12.B117	FF CDL REIMBURSE	30.00	107.63	064002
POLYDYNE INC.	P000395	01/03/23	1703737	01-12.B402	BELT PRESS POLYMER	3074.04	3074.04	104609
PRINCIPAL LIFE INSURANCE CO	P000650	01/01/23	109309910001	01-17.E455	DENTAL INSURANCE	2615.04	2615.04	104610
RED WING SHOE STORE	R000180	12/27/22	126209	01-12.B117	SA BOOTS	220.99	220.99	104611
RENTALMAX ADMINISTRATION	R000250	12/15/22	5703105	01-12.B513	WELDER RENTAL	85.12		
		12/29/22	5714745	01-12.B116	FORKLIFT FUEL	33.69	118.81	064015
Republic Services #551	R000264	12/15/22	055101557206	01-12.B102	GRIT SCREEN DUMPSTER	72.36		

===== VENDOR =====		===== INVOICE =====						
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		12/31/22	055101558981	01-12.B102	GRIT SCREEN DUMPSTER	1480.19	1552.55	064003
REVERE ELECTRIC	R000275	12/19/22	S4817270004	01-12.B812	MSB ELEC CODE IMPROVE	504.57		
		12/15/22	S4823062001	01-12.B506	PRIM SLDG VLV 6 PARTS	191.95	696.52	064004
S. Schroeder Trucking, Inc.	S000059	10/17/22	23054	01-12.B509	SAND	1122.94	1122.94	064016
SEAWAY SUPPLY CO.	S000200	12/20/22	190091	01-12.B116	MSB SUPPLIES	68.00		
		12/20/22	190092	01-13.B116	LAB SUPPLIES	34.00		
		01/04/23	190372	01-14.B116	SS SUPPLIES	69.00		
		01/04/23	190418	01-12.B116	MSB SUPPLIES	277.52	448.52	104612
CARLY SHAW	S000305	12/29/22	REIMBURSE	01-11.B117	SUPS LUNCH	100.20		
		12/29/22	REIMBURSE2	01-11.B117	SUPS LUNCH	18.62	118.82	104613
SHERWIN-WILLIAMS CO.	S000320	12/19/22	23534	01-12.B805	PAINT	263.50	263.50	104614
SMARTSIGN	S000432	12/13/22	SMT557170	01-11.B113	NW LS SIGNS	519.74	519.74	064005
SOLENIS LLC	S000450	12/19/22	132205694	01-12.B402	WAS THICKNER POLYMER	3192.80	3192.80	104615
Saferite Solutions	S00047	12/23/22	V382285	01-12.B113	(2) RESP HARD HATS	872.10	872.10	104616
STAPLES INC.	S000640	12/28/22	32526947810	01-13.B116	LAB TONER CARTRIDGE	84.48		
		12/28/22	32526947810	01-14.B116	DAILY PLANNER	29.99		
		12/05/22	3526947808	01-13.B116	LAB PRINTER	244.45		
		12/16/22	3526947809	01-11.B116	ADMIN SUPPLIES	22.42		
		12/16/22	3526947809	01-13.B116	LAB SUPPLIES	20.43		
		12/29/22	3526947811	01-11.B116	ADMIN SUPPLIES	138.46		
		12/29/22	3526947812	01-11.B116	CALENDARS	19.59		
		12/29/22	3526947812	01-12.B116	CALENDARS/PLANNERS	174.43		
		12/29/22	3526947812	01-13.B116	CALENDARS	62.84		
		12/29/22	3526947812	01-14.B116	PLANNERS	42.70		
		12/15/22	3526947813	01-11.B116	ADMIN SUPPLIES	203.00		
		12/15/22	3526947813	01-12.B116	TONER CARTRIDGE	102.35	1145.14	104617
STEPHENS PLUMBING AND	S000680	12/19/22	254529	01-14.B910	SHEAR REPAIR	644.00		
		12/20/22	254594	01-14.B910	SHEAR REPAIR	612.60		
		12/27/22	254800	01-14.B910	SHEAR REPAIR	562.60	1819.20	064006
STEWART SPREADING, INC.	S000780	12/19/22	3251	01-12.B131	BIOSOLIDS HAUL/LAND APP	39852.28	39852.28	064007
USABBLUEBOOK	U000150	12/23/22	214649	01-13.B114	LAB CHEMICALS	2264.93		
		01/03/23	220464	01-13.B116	LAB SUPPLIES	980.20	3245.13	064008
AMY UNDERWOOD	U000189	01/09/23	REIMBURSE	01-11.B117	CSWEA COMM MEETING	405.24		
		01/09/23	REIMBURSE	01-11.C222	TRAVEL	35.99	441.23	104618
UNO CONSTRUCTION CO., INC.	U000450	12/31/22	DECEMBER2022	01-14.B910	BSSRAP PROGRAM	63880.49	63880.49	104619
VERIZON WIRELESS	V000135	12/28/22	9924078504	01-11.B112	ADMIN CELL SERVICE	256.30		
		12/28/22	9924078504	01-12.B112	PLANT CELL SERVICE	974.13		
		12/28/22	9924078504	01-13.B112	LAB CELL SERVICE	181.18		
		12/28/22	9924078504	01-14.B112	SS CELL SERVICE	483.02		
		12/28/22	9924078504	01-15.B112	LS CELL SERVICE	277.02		
		01/01/23	9924250308	01-12.B112	PLANT TABLET SERVICE	165.45		
		01/01/23	9924250308	01-14.B112	SS TABLET SERVICE	40.08		
		01/01/23	9924250308	01-15.B112	LS TABLET SERVICE	36.01	2413.19	064009
WAGNER COMMUNICATIONS, INC	W000070	01/01/23	000027751341	01-11.B112	ANSWERING SERVICE	318.58	318.58	104620
WASTE MANAGEMENT SERVICES, INC.	W000170	01/05/23	000846820090	01-12.B102	GARBAGE & RECYCLING	669.77	669.77	064017
WESCO DISTRIBUTION, INC.	W000250	12/22/22	102172	01-12.B513	SWITCH GEAR CNTRL REPLMNT	12020.00	12020.00	104621

===== VENDOR =====		===== INVOICE =====							
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO	
WESTFAX	W000350	01/01/23	1409306	01-11.B112	FAX SERVICE	8.99	8.99	104622	
WEST SIDE TRACTOR SALES CO.	W000380	12/19/22	V05455	01-12.B501	LOADER REPAIRS	4422.56			
		01/12/23	V05635	01-12.B501	CREDIT FOR LOADER REPAIRS	600.00-	3822.56	064010	
VILLAGE OF WESTMONT	W000450	12/22/22	717984	01-11.B121	METER READINGS	370.01	370.01	064011	
XYLEM WATER SOLUTIONS USA	X000110	12/29/22	3556C56122	01-12.B510	GREASE MIXERS PM SERVICE	625.00			
		12/08/22	3556X53013	01-15.B525	LIB PARK PM SERVICE	1400.00			
		12/08/22	3556X53013	01-15.B527	VENARD PM SERVICE	1400.00	3425.00	104623	
						=====	=====		
Total Payments:						340166.73	340166.73		
ACH Payments Total:						240525.22	.00		
Check Payments Total:						99641.51	340166.73		

01 GENERAL FUND MANUAL CHECK REGISTER FOR 01/17/23

Date: 01/13/23

Time: 9:58am

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
Auto Glass Masters	A000546	01/12/23	LAB VEHICLE	01-13.C225	LAB VEHICLE REPAIR	754.22	754.22	063975
CHASE	B000050	12/15/22	SUPVPR121522	01-00.2000	FEDERAL TAX WITHHELD	3886.36		
		12/15/22	SUPVPR121522	01-00.2002	EMPLY TAX WITHHELD	2117.99		
		12/15/22	SUPVPR121522	01-17.E461	EMPLR SOC SEC WITHHELD	2117.99	8122.34	104563
CHASE	B000050	12/24/22	EMPLPR122422	01-00.2000	FEDERAL TAX WITHHELD	10079.91		
		12/24/22	EMPLPR122422	01-00.2002	EMPL SOC SEC TAX	6923.49		
		12/24/22	EMPLPR122422	01-17.E461	EMPLR SOC SEC TAX	6923.40	23926.80	104568
CHASE	B000050	12/31/22	SUPVPR123122	01-00.2000	FEDERAL TAX WITHHELD	3565.85		
		12/31/22	SUPVPR123122	01-00.2002	EMPL SOC SEC TAX	2513.71		
		12/31/22	SUPVPR123122	01-17.E461	EMPLR SOC SEC TAX	2513.71	8593.27	104572
D.G. SANIT DIST #XXXXXXXXX1117	D000400	01/18/23	REIMBURSE	01-00.1001	PAYROLL ACCT REIMBURSE	100937.30	100937.30	104576
D.G. SANIT DIST #XXXXXXXXX1114	D000420	01/03/23	REFUNDS	01-05.3001	REFUNDS	1900.43	1900.43	104577
D.G. SANIT DIST #XXXXXXXXX1112	D000440	01/12/23	REIMBURSE	01-11.B117	AU CONFERENCE	60.00		
		01/12/23	REIMBURSE	01-11.C225	TOLLS	16.80		
		01/12/23	REIMBURSE	01-12.B116	MSB SUPPLIES	175.86		
		01/12/23	REIMBURSE	01-12.B117	JB MEMBERSHIP	105.00		
		01/12/23	REIMBURSE	01-14.B117	KF CONFERENCE	60.00		
		01/12/23	REIMBURSE	01-15.B529	STARTER	170.00	587.66	104578
DUPAGE CREDIT UNION	D000650	12/24/22	EMPLPR122422	01-00.2013	EMPL AUTHORIZED W/HOLDING	2419.00	2419.00	104567
HEALTH CARE SERVICE CORP.	H000190	12/16/22	165585	01-17.E455	HEALTH INSURANCE	49107.53	49107.53	104562
ILLINOIS DEPARTMENT OF REVENUE	I000240	12/15/22	SUPVPR121522	01-00.2001	STATE TAX WITHHELD	1576.73	1576.73	104564
ILLINOIS DEPARTMENT OF REVENUE	I000240	12/24/22	EMPLPR122422	01-00.2001	STATE TAX WITHHELD	4168.75	4168.75	104569
ILLINOIS DEPARTMENT OF REVENUE	I000240	12/31/22	SUPVPR123122	01-00.2001	STATE TAX WITHHELD	1542.20	1542.20	104573
ILLINOIS MUNICIPAL	I000300	12/28/22	PENSION	01-00.2003	EMPL PENSION DEPOSIT	13961.94		
		12/28/22	PENSION	01-00.2014	EMPL VOL PENSION DEPOSIT	13016.78		
		12/28/22	PENSION	01-17.E460	EMPLR VOL PENSION DEPOSIT	28296.17	55274.89	104566
APWA, Illinois Public Service	II000352e	12/21/22	REGISTRATION	01-12.B117	NW REGISTRATION IPSI	750.00	750.00	063973
INVOICE CLOUD	I000750	12/31/22	607202212	01-11.B121	BILLING PORTAL	616.20	616.20	104571
MIDAMERICA ADMIN HRA ACCOUNT	M000557	12/30/22	HRA FUNDING	01-17.E455	HRA ACCT FUNDING	600.00	600.00	104561
SELECTIVE INSURANCE COMPANY	S000210	12/25/22	417147515	01-17.E452	LAB VEHICLE INSURANCE	367.00	367.00	063974
TRANSAMERICA RETIREMENT	T000415	12/15/22	SUPVPR121522	01-00.2026	DEF COMP IPPFA	117.00		
		12/15/22	SUPVPR121522	01-00.2027	DEF COMP ROTH IPPFA	40.00		
		12/15/22	SUPVPR121522	01-00.2028	DEF COMP LOAN REPAY IPPFA	77.06	234.06	104565
TRANSAMERICA RETIREMENT	T000415	12/24/22	EMPLPR122422	01-00.2026	DEF COMP IPPFA	295.53		
		12/24/22	EMPLPR122422	01-00.2027	DEF COMP ROTH IPPFA	200.00		
		12/24/22	EMPLPR122422	01-00.2028	DEF COMP LOAN REPAY IPPFA	145.35	640.88	104570
TRANSAMERICA RETIREMENT	T000415	12/31/22	SUPVPR123122	01-00.2026	DEF COMP IPPFA	115.65		
		12/31/22	SUPVPR123122	01-00.2027	DEF COMP ROTH IPPFA	40.00		
		12/31/22	SUPVPR123122	01-00.2028	DEF COMP LOAN REPAY IPPFA	77.06	232.71	104574
						=====	=====	
Total Payments:						262351.97	262351.97	
ACH Payments Total:						260480.75	.00	
Check Payments Total:						1871.22	262351.97	

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
BAXTER & WOODMAN, INC.	B000120	12/19/22	024623	02-47.0504	CENTEX PS REPLACEMENT	612.50	612.50	104624
						=====	=====	
					Total Payments:	612.50	612.50	
					ACH Payments Total:	612.50	.00	
					Check Payments Total:	.00	612.50	

DATE _____

REVIEWED _____

TRUSTEE APPROVAL _____

PRESIDENT

CLERK

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-00.1000	CASH		602518.70-
01-00.1001	CASH - PAYROLL ACCOUNT	100937.30	
01-00.2000	FEDERAL TAX WITHHELD	17532.12	
01-00.2001	STATE TAX WITHHELD	7287.68	
01-00.2002	SOCIAL SECURITY WITHHELD	11555.19	
01-00.2003	IMRF WITHHELD	13961.94	
01-00.2005	CLEARING	67.13	
01-00.2013	CREDIT UNION WITHHELD	2419.00	
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	13016.78	
01-00.2017	VOLUNTARY GROUP LIFE	272.00	
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	528.18	
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH	280.00	
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD	299.47	
01-05.3001	USER RECEIPTS	6748.82	
01-11.B101	NATURAL GAS	343.88	
01-11.B102	WATER, GARBAGE AND OTHER UTILITIES	55.29	
01-11.B110	BANK CHARGES	29.80	
01-11.B112	COMMUNICATION	1898.71	
01-11.B113	EMERGENCY/SAFETY EQUIPMENT	3589.61	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	7590.80	
01-11.B116	SUPPLIES	452.32	
01-11.B117	EMPLOYEE/DUTY COSTS	671.25	
01-11.B118	BUILDING AND GROUNDS	3474.00	
01-11.B119	POSTAGE	10.50	
01-11.B120	PRINTING/PHOTOGRAPHY	2476.48	
01-11.B121	USER BILLING MATERIALS	5972.78	
01-11.B124	CONTRACT SERVICES	9331.00	
01-11.C222	GAS/FUEL	147.06	
01-11.C225	OPERATION/REPAIR	16.80	
01-12.B100	ELECTRICITY	129.75	
01-12.B101	NATURAL GAS	1366.29	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	3018.72	
01-12.B103	ODOR CONTROL	404.75	
01-12.B112	COMMUNICATION	1953.15	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	1827.08	
01-12.B116	SUPPLIES	1214.53	
01-12.B117	EMPLOYEE/DUTY COSTS	2483.36	
01-12.B131	SLUDGE HAULING/DISPOSAL SERVICES	39852.28	
01-12.B402	CHEMICALS - SLUDGE DEWATERING	6266.84	
01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	7637.87	
01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	71.76	
01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	3286.84	
01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	15535.59	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	2402.93	
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	1160.05	
01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	874.71	

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	2296.99	
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	24762.05	
01-12.B805	BLDG AND GROUNDS - INFLUENT PUMPING	1413.50	
01-12.B809	BLDG AND GROUNDS - SLUDGE DEWATERING	26.58	
01-12.B810	BLDG AND GROUNDS - SLUDGE DIGESTION	1138.65	
01-12.B811	BLDG AND GROUNDS - TERTIARY TREATMENT	217.50	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	78761.34	
01-12.B813	BLDG AND GROUNDS - WWTC UTILITIES	58.02	
01-12.C222	GAS/FUEL	2117.23	
01-12.C225	OPERATION/REPAIR	119.56	
01-13.B112	COMMUNICATION	194.17	
01-13.B114	CHEMICALS	2264.93	
01-13.B115	EQUIPMENT/EQUIPMENT REPAIR	235.63	
01-13.B116	SUPPLIES	2415.78	
01-13.B117	EMPLOYEE/DUTY COSTS	175.93	
01-13.B123	OUTSIDE LAB SERVICES	1149.89	
01-13.C222	GAS/FUEL	73.70	
01-13.C225	OPERATION/REPAIR	754.22	
01-14.B112	COMMUNICATION	523.10	
01-14.B113	EMERGENCY/SAFETY EQUIPMENT	28.70	
01-14.B115	EQUIPMENT/EQUIPMENT REPAIR	71.91	
01-14.B116	SUPPLIES	1028.18	
01-14.B117	EMPLOYEE/DUTY COSTS	133.48	
01-14.B901	SEWER SYSTEM REPAIRS - I/I PROGRAM	4082.50	
01-14.B902	SEWER SYSTEM REPAIRS - REPLACEMENT	437.50	
01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	65915.60	
01-14.C222	GAS/FUEL	1620.43	
01-14.C225	OPERATION/REPAIR	3327.73	
01-15.B100	ELECTRICITY	6364.77	
01-15.B112	COMMUNICATION	313.03	
01-15.B521	EQPT/EQPT REPAIR - CENTEX	1035.90	
01-15.B523	EQPT/EQPT REPAIR - EARLSTON	1035.90	
01-15.B524	EQPT/EQPT REPAIR - HOBSON	538.36	
01-15.B525	EQPT/EQPT REPAIR - LIBERTY PARK	2441.31	
01-15.B527	EQPT/EQPT REPAIR - VENARD	1400.00	
01-15.B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	170.00	
01-17.E452	LIABILITY/PROPERTY	367.00	
01-17.E455	EMPLOYEE GROUP HEALTH	53203.97	
01-17.E460	IMRF	28296.17	
01-17.E461	SOCIAL SECURITY	11555.10	
02-00.1000	CASH		612.50-
02-47.0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVISN	612.50	
		=====	
		603131.20	603131.20-

Vendor	Invoice Date	Amount	Coding	Coding Description	Purchase Location	Emp.	Procurement	Project Name (If applicable)	Item Description
Grainger	12/08/22	\$151.23	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	12/12/22	\$222.54	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	MR		Electrical Repair Supplies	(2) 100 Amp Fuses for MCC 1 Lighting Panel
Grainger	12/13/22	\$58.02	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	RF		Soda Ash Building HVAC	Replacement Thermostat for Soda Ash Building Electric Wall Heater
Grainger	12/14/22	\$27.88	01-11.B113	ADMIN SAFETY	Delivered	JG			Faceshield
Grainger	12/13/22	\$464.36	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	BS		Battery Charger (Replace Old/Broken Charger)	6/12/24 Volt 12 Amp Battery Charger
Grainger	12/14/22	\$7.26	01-12.B116	WWTC SUPPLIES	Delivered	MM		Labels for new machine	Reflective labels for vehicle lettering on New JD
Grainger	12/15/22	\$3.63	01-12.B116	WWTC SUPPLIES	Delivered	MM		Reflective labels for vehicle lettering on New JD	
Grainger	12/15/22	\$13.56	01-12.B116	WWTC SUPPLIES	In-Store	RF		Supplies	AA Batteries
Grainger	12/19/22	\$60.81	01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	In-Store	NW		Primary Sludge Valve 6 - Valve Replacement	Drop in gaskets(6)
Grainger	12/19/22	\$155.82	12B-113	CLEARING	In-Store	JM		Replace broken ladder grit basement	6' Fiberglass stepladder
Grainger	12/19/22	\$33.08	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	NW		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	12/19/22	\$165.30	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	MM		Safety gloves for OPS	
Grainger	12/20/22	\$37.11	01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	Delivered	MM		Spill Absorbent for polymer	
Grainger	12/20/22	\$25.47	01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	In-Store	NW		Primary Sludge Valve 6 - Valve Replacement	3/4" Bolts(3pk)
Grainger	12/19/22	\$8.49	01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	In-Store	NW		Primary Sludge Valve 6 - Valve Replacement	3/4" Bolts(1pk)
Grainger	12/20/22	\$404.75	12B-103	CLEARING	Delivered	MM		Granular deodorizer	
Grainger	12/21/22	\$97.67	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	12 Ton Bottle Jack (Shop Tool)
Grainger	12/21/22	\$2.02	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	RF		Electrical Repair Supplies	#8-32 Machine Screws (100 Pack)
Grainger	12/27/22	\$96.67	01-12.B116	WWTC SUPPLIES	Delivered	ST			Soap for Hotsy Pressure Washer at MSB
Grainger	12/28/22	\$1,004.01	01-12.B810	BLDG & GROUNDS - SLUDGE DIGESTION	In-Store	MR		Digester 3 Control Building HVAC	Replacement Hydronic Unit Heater
Grainger	12/29/22	\$57.98	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	AG		Safety Supplies	Kneeling Mat & Face Shield
Grainger	12/29/22	\$42.00	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	(2) Metal Cut Off Wheels
Grainger	12/29/22	\$26.58	01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	Delivered	JM			Replacement garden hose.
Grainger	12/30/22	\$31.14	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	MR		Safety Supplies	(2) Pair Mechanics Work Gloves
Grainger	01/03/23	\$83.36	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	Delivered	JPB		WWTC Main Gate Repair	(2) 12VDC Batteries
Grainger	01/04/23	\$4.34	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	1/4" Drill Bit
Grainger	01/05/23	\$28.70	01-14.B117	EMPLOYEE/DUTY COSTS	Delivered	KS			OA Hat & Gaiter
Grainger	01/06/23	\$10.03	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	01/06/23	\$54.76	01-12.B117	EMPLOYEE/DUTY COSTS	Delivered	JPB		Aaron Outerwear	3-Piece Rain Suit
Grainger	01/09/23	\$211.24	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	AC		Safety Items	(11) Lifting Straps
Grainger	01/10/23	\$29.40	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	MR	Trip Same	Electrical Repair Supplies	(2) Boxes Wire Nuts
Grainger	01/10/23	\$23.46	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	MR		Broken Tool Replacement (Marco)	Electricians Scissors
Home Depot	12/13/22	\$5.46	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	FF		Berlon Salt Spreader Repair	Carriage Bolts
Home Depot	12/21/22	\$71.95	01-12.B116	WWTC SUPPLIES	In-Store	FF		Supplies	LED Work Light, 27" Coat Hook Rack, Zinc Eyebolts
Home Depot	12/29/22	\$22.96	01-12.B116	WWTC SUPPLIES	In-Store	AC		Manual Bar Screen Cleaning Rake	3/4" x 10' Black Pipe
Home Depot	12/29/22	\$187.22	01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	In-Store	FF		Excess Flow Raw Sewage Pump 7 Overhaul	Plumbing Supplies & Braided Hose Connectors
Home Depot	12/27/22	\$27.75	01-14.B115	SEWER SYSTEM EQUIPMENT/EQUIPMENT REPAIR	In-Store	BS			Pipe wrench/Propane Cylinder
Home Depot	12/27/22	\$71.91	01-14.B115	SEWER SYSTEM EQUIPMENT/EQUIPMENT REPAIR	In-Store	BS			Pipe wrench/Propane Cylinder
Home Depot	12/27/22	-\$27.75	01-14.B115	SEWER SYSTEM EQUIPMENT/EQUIPMENT REPAIR	In-Store	BS			Return for Credit
Home Depot	01/05/23	\$119.00	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	BS	Same Trip	Truck 304 (Worn Tool Replacement)	24" Aluminum Pipe Wrench
Home Depot	01/05/23	\$71.76	01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	In-Store	BS		OSEC Generator Electrode Cleaning	(6) Gallons Muriatic Acid
Home Depot	12/14/22	\$35.55	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	In-Store	FF		New Lab Faucet Install	Plumbing Supplies
Home Depot	12/14/22	\$48.12	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	In-Store	FF		New Lab Faucet Install	Plumbing Supplies

Date: 1/12/2023
Due Date: 1/17/2023
Invoice #: Reimburse

Petty Cash Checking Reimbursement

D-440

Date	Purchased From	Description	Code	Amount	Ck No.
12/8/2022	Power Master	Starter	15B529	170	3823
12/13/2022	Costco	MSB Supplies	12B116	175.86	3824
12/20/2022	IAWA	AU Conference	11B117	60	3825
		KS Conference	14B117	60	
12/20/2022	WEF	JB Membership	12B117	105	3826
12/27/2022	IL Tollway	Tolls	11C225	16.8	3827

Total Receipts/Reimbursement 587.66

Expense by code

11C225	16.80
11B117	60.00
12B116	175.86
12B117	105.00
14B117	60.00
15B529	170.00
Total	587.66

Date: 1/12/2023

Petty Cash Reimbursement

P - 350

Due Date: 1/17/2023

Invoice #: Cash Box

Date	Purchased From	Reimbursed To	Description	Code	Amount
12/22/22	USPS	Megan	Postage	11B119	0.70
12/14/22	USPS	Megan	Postage	11B119	4.90
1/10/23	USPS	Megan	Postage	11B119	0.70
12/27/22	USPS	Megan	Postage	11B119	0.70
12/21/22	USPS	Megan	Postage	11B119	0.70
12/21/22	USPS	Megan	Postage	11B119	2.80
12/1/22	Sec of State	Frank Furtak	CDL License	12B117	30.00
1/12/23			Missing Receipt - box shortage	0.2005	67.13
			Total Receipts		107.63

Expense by code

11B119	10.50
12B117	30.00
0.2005	67.13

DOWNERS GROVE SANITARY DISTRICT
2022 WWTC PERFORMANCE REPORT

**DOWNERS GROVE SANITARY DISTRICT
2022 WWTC PERFORMANCE REPORT**

TO: Amy R. Underwood
General Manager

FROM: Alex M. Bielawa
Staff Engineer

DATE: January 13, 2023

SUMMARY OF 2022 OPERATIONS

Total Flow to WWTC: 3,758,836,600 gallons
Average Daily Flow: 10.30 MGD

Total Complete Treatment Flow: 3,583,757,400 gallons
Average Daily Complete Treatment Flow: 9.82 MGD

District Billed Flow: 1,822,211,297 gallons
Ratio of Billed Flow to Total WWTC Flow: 48.5%
Ratio of Billed Flow to Total Complete Treatment Flow: 50.8%

Precipitation Total for 2022: 34.91''

Net ComEd Electrical Consumption: -375,444 KW Hrs.
Average Daily ComEd Electric Usage: -1,029 KW Hrs.

Complete Treatment Flow Characteristics – Average Daily Values

Influent Concentrations:	BOD	216 mg/L
	TSS	196 mg/L
	NH3-N	17.8 mg/L

Influent Loadings:	BOD	16,526 lbs. /day
	TSS	14,691 lbs. /day
	NH3-N	1,264 lbs. /day

Effluent Concentrations:	CBOD	1.0 mg/L
	TSS	0.9 mg/L
	NH3-N	0.5 mg/L

Effluent Loadings:	CBOD	90 lbs. /day
	TSS	79 lbs. /day
	NH3-N	49 lbs. /day

Biosolids Production, after digestion:	11,525,779 gallons 2,504,877 lbs. dry solids 1,252 dry tons
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WASTEWATER TREATMENT CENTER FLOWS

WWTC FLOW (TABLES 1, 2, 3 & 4)

As shown in Table 1, the total flow to the treatment center in 2022 was 3,758,836,600 gallons, with 95.3% of this total, or 3,583,757,400 gallons, receiving tertiary treatment. The total flow for the year equates to an average daily flow of 10.30 MGD as compared to an average tertiary flow of 9.82 MGD. Excess flow treatment was in operation for 433 hours during the year, or 5.0% of the time, and accounted for 175,079,200 gallons.

Table 2 compares the 2022 flows to the past 47 years:

- 2022 was an average precipitation year, with the annual rainfall of 34.91 inches being close to the median annual precipitation total in the 47-year reporting period. This resulted in the 17th lowest historic total flow volume of 3,758.8 MG. The 47-year reporting period has an annual average of 34.19 inches of rainfall. In comparison, the past ten years has an average of 41.20 inches of annual rainfall.
- The tertiary or complete treatment volume of 3,583.8 MG for 2022 was the 18th lowest flow year at the WWTC when viewed over the 47-year period.
- The excess flow volume of 175.1 MG for 2022 was the median annual total excess flow for the 47-year period.

Wet weather discharges are summarized in Table 3. The discharge to St. Joseph Creek, Outfall 002, was in use for 399.5 hours in 2022 and accounted for 273 MG. The operation hours represent 4.6% of the year. The St. Joseph discharge for 2022 represented 7.3% of the total flow. St. Joseph Creek is intended to be used when the combined tertiary and excess flows exceed the capacity of the Outfall 001 pipe, rated for 30.0 MGD. All the flow in October was due to a diversion to Outfall 002 for root removal and cleaning of the Outfall 001 line for the Outfall Sag Repair project.

Outfall C01 discharge can be used when flows exceed both the tertiary plant capacity and the capacity of the excess flow clarifiers. Intermediate Clarifier No. 1 is temporarily converted from a tertiary treatment unit to an excess flow treatment unit. This outfall was in use for 48.1 hours and accounted for 22.1 MG in 2022.

Outfall 003 can be used when peak flows exceed both the tertiary plant capacity and the capacity of the excess flow clarifiers. Operators typically do not use Outfall 003 until Outfall C01 is already in service. Intermediate Clarifiers Nos. 2 & 3 are temporarily converted from tertiary treatment to excess flow treatment units. This outfall was not used in 2022.

As shown in Table 4, the current plant design of 11.0 MGD for tertiary treatment was exceeded on 105 days, or 29% of the days, during 2022.

WWTC CAPACITY (TABLE 5)

The Illinois EPA determines remaining capacity at a treatment facility by reviewing the past twelve months of average influent flow data at the facility. The three lowest flow months for the period plus outstanding Illinois EPA permits for new development issued to the District over the past two years determines the remaining hydraulic capacity. Table 5 indicates the remaining capacity at the WWTC during the course of the past six years. As indicated, the WWTC is currently at 59% capacity in terms of remaining hydraulic capacity. This is based on an average flow of 6.4 MGD, which is the average of the three lowest flow months during 2022. Remaining capacity, based on organic loading, is also indicated in Table 5. The WWTC organic loading is currently in the range of 76% to 117% of capacity, depending on the parameter. Organic loading can be used by IEPA as an indicator of reserve capacity if hydraulic limits are approached or operational difficulties stem from high organic loading.

TREATMENT PROVIDED (TABLES 6, 7 and 8)

The yearly average effluent results in 2022 were well below the NPDES Permit requirements. The effluent CBOD concentration averaged 1.0 mg/l, TSS was at 0.9 mg/l, and ammonia-nitrogen was 0.5 mg/l.

Over the ten-year period, as indicated in Table 6, the yearly averages have ranged from 1.0 to 1.5 mg/L for CBOD, 0.5 to 1.2 mg/L for TSS, and 0.1 to 0.6 mg/L for ammonia-nitrogen.

Table 7 provides the monthly process performance and removal values for 2022. A ten-year history indicating yearly process performance and removal values is presented in Table 8.

NPDES PERMIT COMPLIANCE

The WWTC operated with six permit excursions in 2022. In two separate events, one in April and the other in July, the treatment plant was operating under high flow conditions due to rainfall events when the daily maximum fecal coliform concentration excursion occurred at both the 001 and 002 outfalls. In August, an activated sludge process upset caused daily maximum ammonia excursions on two days in the B01 outfall.

SLUDGE QUANTITIES (TABLES 9 and 10)

Total raw sludge pumping to the digestion processes is shown in Table 9. The total of primary sludge, waste activated sludge (WAS), thickened waste activated sludge (TWAS) and hauled grease waste was 20,296,151 gallons for 2022. This is 2.7% higher than in 2021. Digester supernatant (clear water decanted from the process) was slightly lower than the value of 2021.

In 2022, total digested sludge pumping was 11,525,779 gallons. Of the total, 77.5% or 8,930,847 gallons was dewatered on the belt filter press. 501,396 gallons, or 4.4% of the total, was placed in the sludge lagoons seeded with reeds. The remaining 18.1% of the digested sludge in 2022, or 2,093,536 gallons, was dewatered on the drying beds. A ten-year history on sludge production is included in Table 10.

BIOSOLIDS DISPOSAL (TABLE 11 & 12)

Class A biosolids disposal through the public distribution program for 2022 totaled 1,192 cubic yards, the lowest amount in the last ten years. This was a decrease over the 2021 annual total of 2,537 cubic yards. Deliveries for 2022 accounted for 70% of the total or 832 yards. The pickup station accounted for 21% or 251 yards. District use at the plant was nominal at only 9 yards. Contractor pickup was 8% of the total or 100 yards. The above total yards to public distribution includes 24 cubic yards of composted biosolids from the pilot program in 2020.

1,512 cubic yards of Class B material were removed in May, 2,016 cubic yards of material were removed in June, and 1,772 cubic yards were removed in December by a hauling contractor and hauled to farm field for Class B land application in order to make space available for belt press cake storage. This represents 542 dry tons of solids.

UTILITIES (TABLES 13, 14, and 15)

The total yearly net electricity from ComEd was -375,444 kW-hours, for an average daily use of -1,029 kW-hours. This is approximately the same as 2021 due to continued operation of two CHP units.

Table 14 provides our monthly Net Energy Summary. All energy used and produced in the WWTC is taken into consideration and not just electricity from ComEd. The months of August and December were not net zero energy as one or both of the CHP units were out of service for maintenance. In addition, the gas cleaning media was replaced in August. The month of October was the first month every day was negative, meaning we produced more energy than we needed for that day.

Natural gas consumption for 2022 was at 875,725 cubic feet, an increase from 2021.

City water consumption for the year was at 1,428,281 gallons, reflecting full use of the hypochlorite generation system.

DIGESTER GAS UTILIZATION (TABLE 16)

Total digester gas production for 2022 was at 70,628,326 cubic feet, for a daily average of 193,502 cubic feet. Gas was utilized in the CHP facility, where a total of 63,737,424 cubic feet of gas was used in 2022. The digester heat exchangers used 1,108,193 cubic feet of gas. Wasting of digester gas (gas flared) totaled 993,204 cubic feet in 2022. Gas was flared when the supply exceeded the demand and when needed due to equipment outages.

Total gas production was higher in 2022 as compared to 2021. This was due to more hauled grease waste being accepted as a result of having two CHP engines in service.

CHEMICAL USAGE (TABLES 17 and 18)

Sodium hypochlorite and sodium bisulfite were utilized for the year for disinfection and dechlorination. In 2022, hypochlorite was used at 24.4 pounds per million gallons of tertiary flow, an increase compared to 2021.

The amount reported for excess flow includes the totals used to treat return activated sludge for filamentous control.

Hypochlorite used in 2022 was mostly that produced by the OSEC unit (hypochlorite generator) with a little supplemented from delivered bulk hypochlorite. We received 12,500 gallons of bulk hypochlorite and produced 1,174,320 gallons from the OSEC unit to meet the disinfection needs for the year.

Sodium bisulfite was used at a rate of 9.9 pounds per million gallons, making 2022 the highest year in the ten-year history shown in Table 18. The increased rate of sodium bisulfite was due to the increased rate of sodium hypochlorite.

Dewatering polymer use in 2022 was at 24,300 pounds for 2,504,877 pounds of sludge on a dry solids basis and equated to 103.1 pounds of dry solids per pound of polymer. Thickening polymer use, which is used in the WAS Thickener, was 22,500 pounds for 1,340,189 pounds of sludge on a dry basis and equated to 59.6 pounds of dry solids per pound of polymer.

NUTRIENTS (TABLES 19 and 20)

The NPDES permit requires routine monitoring of influent and effluent total nitrogen and total phosphorus concentrations. Table 19 summarizes that data and applies the concentration data to the monthly flows to estimate loads. 46% removal of total phosphorus and 51% removal of total nitrogen occurred across the plant in 2022. The returned activated sludge (RAS) fermenter which was being used to attempt biological phosphorus removal was removed from service in July as it was not proven to be providing the desired result.

Table 20 compares the annual average nutrients influent, effluent and percentage removals since monitoring began in 2015. Percent removal of nutrients was higher in 2022 than the previous two years.

SUMMARY

The rainfall and total flow values to the WWTC in 2022 were on average over the 47-year reporting period.

Billable flow as a proportion of total flow was approximately 49%, reflecting the high proportion of inflow and infiltration (I/I) in the collection system due to annual precipitation. The need for collection system I/I reduction continues.

Plant reserve capacity appears to be adequate. Dry weather low flows remain well below the plant's hydraulic capacity, the primary method used to determine reserve capacity.

The hypochlorite generation unit was operational for the disinfection season. A small amount of bulk hypochlorite subsidized the on-site generation volume. Alternative options for disinfection are being investigated as the current unit is reaching the end of its useful age.

Hauled grease trap waste was accepted consistently throughout 2022, with an annual total greater than 2021. Gas production increased in comparison to 2021. The amount of biogas flared to the atmosphere decreased due to two CHP units in service.

The plant operated with six permit excursions in 2022. Overall, plant effluent quality was excellent for parameters controlled in the NPDES permit. Four out of the six excursions were related to wet weather events, while the other two were related to an activated sludge process upset inside the WWTC. Operations and laboratory staff have implemented procedures to prevent this type of upset causing an excursion in the future. As part of this effort, plant operations staff is focusing on managing recycle streams to limit their impact on influent pollutant loads.

Biosolids disposal through the public distribution program was at a ten-year low in 2022. This can be attributed to lower public demand as the finished product is less desirable after the District began co-digesting sludge and hauled grease waste. Since the District implemented its co-digestion operation, the dewatered product takes longer to dry. As a result, sufficient drying bed space is not available to produce a Class A product from all the co-digested biosolids and a portion of it has to be disposed of as a Class B product. For these two reasons, Class B hauling through a Contractor was performed again in 2022. District staff is looking into different dewatering technology that would perform better with the grease in the sludge than the existing belt filter press with the goal to keep all the co-digested sludge on site to create Class A biosolids in the future.

The Phosphorus Discharge Optimization Plan, submitted in July 2017, committed to continuing attempt to achieving biological phosphorus removal within the existing facilities. The RAS fermenter, which was started in June 2016, was taken out of service in July 2022 as it was determined it was not providing the desired phosphorus removal. District staff plan to collect data from the existing plant to be used to recalibrate the BioWin model of the facility and then use the model to re-evaluate nutrient removal modifications that may be used in the future.

TABLE 1
WWTC FLOW
2022

<u>MONTH</u>	<u>PRECIPITATION INCHES</u>	<u>TERTIARY FLOW RECEIVED (MG)</u>	<u>EXCESS FLOW RECEIVED (MG)</u>	<u>TOTAL FLOW RECEIVED (MG)</u>	<u>EXCESS FLOW HOURS ON</u>	<u>EXCESS FLOW % HRS. ON</u>	<u>EXCESS FLOW % OF TOTAL</u>
Jan	0.28	252.93	0.00	252.93	0.00	0.00	0.00
Feb	2.58	343.22	32.70	375.92	55.00	8.18	8.70
Mar	4.26	435.80	39.62	475.42	50.90	6.84	8.33
Apr	4.96	491.02	38.66	529.68	193.00	26.81	7.30
May	3.63	418.73	28.73	447.46	85.90	11.55	6.42
Jun	2.01	267.21	0.00	267.21	0.00	0.00	0.00
Jul	4.79	281.55	6.96	288.51	19.20	2.58	2.41
Aug	2.28	219.25	0.00	219.25	0.00	0.00	0.00
Sep	4.86	238.39	17.00	255.38	17.10	2.38	6.66
Oct	2.01	162.57	0.00	162.57	0.00	0.00	0.00
Nov	0.80	202.76	0.00	202.76	0.00	0.00	0.00
Dec	2.45	270.33	11.42	281.75	12.40	1.67	4.05
TOTALS	34.91	3,583.76	175.08	3,758.84	433.50	4.95	4.66

<u>WWTC FLOW RATES FOR</u>	<u>2022</u>
Daily average total treatment flow -	10.30
Daily average tertiary treatment flow -	9.82
Daily average excess treatment flow -	0.48

TABLE 2

VOLUME OF FLOW RECEIVED AND DURATION OF EXCESS FLOW OPERATION
January 1, 1976 to December 31, 2022

PERIOD	PRECIPITATION INCHES	TERTIARY FLOW	EXCESS FLOW RECEIVED MG	TOTAL FLOW RECEIVED MG	% EXCESS OF TOTAL FLOW	OPERATIONAL HRS. EXCESS FLOW	% EXCESS OF TOTAL HRS.
1/1/76 - 12/31/76	29.39	2,960.9	174.9	3,135.8	5.6%	400.25	4.6%
1/1/77 - 12/31/77	33.22	3,334.6	104.5	3,439.1	3.0%	329.50	3.8%
1/1/78 - 12/31/78	31.02	3,419.0	228.3	3,647.3	6.3%	790.25	9.0%
1/1/79 - 12/31/79	36.55	3,518.2	820.8	4,339.0	18.9%	1,791.25	20.4%
1/1/80 - 12/31/80	33.00	3,866.1	235.0	4,101.1	5.7%	697.50	7.9%
1/1/81 - 12/31/81	23.02	3,510.1	141.0	3,651.1	3.9%	347.00	4.0%
1/1/82 - 12/31/82	33.10	3,531.3	370.3	3,901.6	9.5%	826.87	9.4%
1/1/83 - 12/31/83	34.34	3,726.4	328.0	4,054.4	8.1%	613.50	7.0%
1/1/84 - 12/31/84	25.38	3,742.1	206.5	3,948.6	5.2%	456.75	5.2%
1/1/85 - 12/31/85	31.97	3,611.2	228.0	3,839.2	5.9%	440.26	5.0%
1/1/86 - 12/31/86	25.60	3,550.1	54.3	3,604.4	1.5%	162.83	1.9%
1/1/87 - 12/31/87	33.47	3,754.9	187.3	3,942.2	4.8%	374.38	4.3%
1/1/88 - 12/31/88	22.56	3,518.6	148.2	3,666.8	4.0%	446.07	5.1%
1/1/89 - 12/31/89	25.19	3,377.9	62.9	3,440.8	1.8%	110.58	1.3%
1/1/90 - 12/31/90	43.12	4,189.3	286.4	4,475.7	6.4%	413.33	4.7%
1/1/91 - 12/31/91	39.06	4,064.8	173.8	4,238.6	4.1%	257.79	2.9%
1/1/92 - 12/31/92	30.34	3,609.3	59.4	3,668.7	1.6%	97.20	1.1%
1/1/93 - 12/31/93	40.83	4,056.9	307.1	4,364.0	7.0%	416.11	4.8%
1/1/94 - 12/31/94	33.03	3,555.8	85.6	3,641.4	2.4%	160.68	1.8%
1/1/95 - 12/31/95	29.87	3,684.8	174.6	3,859.4	4.5%	275.70	3.1%
1/1/96 - 12/31/96	37.50	3,672.2	141.7	3,813.9	3.7%	193.40	2.2%
1/1/97 - 12/31/97	34.18	3,582.0	178.5	3,760.5	4.7%	239.40	2.7%
1/1/98 - 12/31/98	45.05	4,088.6	269.6	4,358.2	6.2%	479.80	5.5%
1/1/99 - 12/31/99	31.38	3,716.3	228.9	3,945.2	5.8%	347.33	4.0%

1/1/00 - 12/31/00	33.98	3,565.5	142.9	3,708.4	3.9%	242.66	2.8%
1/1/01 - 12/31/01	35.51	4,158.0	171.2	4,329.2	4.0%	287.46	3.3%
1/1/02 - 12/31/02	29.23	3,594.0	107.5	3,701.5	2.9%	200.71	2.3%
1/1/03 - 12/31/03	32.63	3,343.4	99.3	3,442.7	2.9%	211.13	2.4%
1/1/04 - 12/31/04	37.31	3,436.5	97.9	3,534.4	2.8%	184.64	2.1%
1/1/05 - 12/31/05	27.09	3,443.8	101.4	3,545.2	2.9%	162.25	1.9%
1/1/06 - 12/31/06	47.08	4,337.0	135.9	4,472.8	2.7%	315.57	3.5%
1/1/07 - 12/31/07	36.06	3,709.0	124.7	3,833.7	3.2%	228.15	2.6%
1/1/08 - 12/31/08	47.45	4,085.2	297.2	4,382.4	6.8%	438.42	5.0%
1/1/09 - 12/31/09	45.10	4,134.5	373.4	4,507.9	8.3%	571.55	6.5%
1/1/10 - 12/31/10	40.11	3,742.3	217.1	3,959.4	5.5%	339.68	3.9%
1/1/11 - 12/31/11	43.13	4,034.3	275.9	4,310.2	6.4%	638.12	7.3%
1/1/12 - 12/31/12	26.16	3,272.5	26.2	3,298.8	0.8%	69.88	0.8%
1/1/13 - 12/31/13	47.18	3,812.2	305.7	4,117.9	7.4%	392.85	4.5%
1/1/14 - 12/31/14	39.04	4,075.9	172.4	4,248.3	4.1%	409.63	4.7%
1/1/15 - 12/31/15	38.93	3,990.7	114.5	4,105.1	2.8%	233.84	2.7%
1/1/16 - 12/31/16	42.28	4,093.5	84.9	4,178.3	2.0%	204.37	2.3%
1/1/17-12/31/17	42.23	3,769.1	197.5	3,967.1	5.0%	283.50	2.4%
1/1/18-12/31/18	44.57	4,007.8	221.6	4,229.4	5.2%	311.40	3.5%
1/1/19-12/31/19	56.22	4,597.8	307.4	4,905.2	6.3%	511.20	5.8%
1/1/20-12/31/20	39.63	3,865.8	177.8	4,043.6	4.4%	245.10	2.8%
1/1/21-12/31/21	29.66	3,499.0	54.5	3,553.5	1.5%	147.80	1.7%
1/1/22-12/31/22	34.91	3,583.8	175.1	3,758.8	4.7%	433.5	5.0%
1/1/76 to 12/31/22	1,128.11	175,793.0	9,177.6	184,970.8		17,731.1	
Average Yearly Values	34.19	3,740.3	195.3	3,935.5	4.4%	377.3	3.8%

TABLE 3
WET WEATHER DISCHARGES
2022

MONTH	TO ST. JOSEPH CREEK		FROM INTERMEDIATE		FROM INTERMEDIATES	
	CREEK		NO. 1		NOS. 2 & 3	
	OUTFALL 002		OUTFALL C01		OUTFALL 003	
	MG	HOURS	MG	HOURS	MG	HOURS
Jan	0.00	0.00	0.00	0.00	0.00	0.00
Feb	50.73	64.00	3.63	8.50	0.00	0.00
Mar	53.73	71.90	7.53	16.80	0.00	0.00
Apr	39.25	119.70	0.00	0.00	0.00	0.00
May	43.54	92.70	4.32	10.70	0.00	0.00
Jun	0.00	0.00	0.00	0.00	0.00	0.00
Jul	9.28	17.00	0.00	0.00	0.00	0.00
Aug	0.00	0.00	0.00	0.00	0.00	0.00
Sep	26.47	24.10	6.58	12.10	0.00	0.00
Oct	43.57	0.00	0.00	0.00	0.00	0.00
Nov	0.00	0.00	0.00	0.00	0.00	0.00
Dec	6.04	10.10	0.00	0.00	0.00	0.00
Total	272.61	399.50	22.06	48.10	0.00	0.60

TABLE 4

PERCENT DAYS AT OR ABOVE DESIGN FLOW OF 11.0 MGD

MONTH	<u>2022</u>				<u>10 YEARS</u>		
	<u>Days at 11.0 MGD or Above</u>	<u>Influent Avg. MGD for Month</u>	<u>% Days 11.0 MGD or Above</u>	<u>Total Rainfall (in.)</u>	YEAR	<u>% Days above 11.0 MGD</u>	<u>Rainfall (in.)</u>
Jan	2	8.47	6.5	0.28	2013	31	47.18
Feb	15	12.95	53.6	2.58	2014	38	39.04
Mar	26	14.05	83.9	4.26	2015	36	38.93
Apr	30	15.66	100.0	4.96	2016	35	42.28
May	16	12.78	51.6	3.63	2017	30	42.23
Jun	1	8.03	3.3	2.01	2018	35	44.57
Jul	6	8.64	19.4	4.79	2019	50	44.57
Aug	1	7.04	3.2	2.28	2020	30	39.63
Sep	3	7.84	10.0	4.86	2021	18	29.66
Oct	1	6.57	3.2	2.01	2022	29	34.91
Nov	0	6.57	0.0	0.80			
Dec	4	8.62	12.9	2.45			
<u>Total</u>	105	9.77	29.0	34.91			

TABLE 5

WWTC REMAINING CAPACITY
2022

	2017	2018	2019	2020	2021	2022
<u>Hydraulic Capacity</u>						
Three Low Flow Months (MGD), Plant Influent	Sep 6.3 Aug 6.9 Dec 7.4	Jul 7.6 Aug 8.3 Sep 9.1	Aug 8.3 Dec 10.3 Jul 10.5	Aug 6.5 Sep 7.6 Jul 8.2	Sep 6.3 Aug 7.3 Nov 7.9	Oct 5.2 Nov 6.8 Aug 7.1
Average, 3 Low Flow Months (MGD)	6.9	8.3	9.7	7.4	7.2	6.4
Annual Average Flow (PE)	69,000	83,000	97,000	74,000	72,000	64,000
IEPA Permitted Flow - last 2 years (PE)	1,195	654	99	422	717	507
Total Load (PE)	70,195	83,654	97,099	74,422	72,717	64,507
WWTC Hydraulic Capacity (PE)	110,000	110,000	110,000	110,000	110,000	110,000
Remaining Hydraulic Capacity (PE)	39,805	26,346	12,901	35,578	37,283	45,493
% of Hydraulic Capacity Utilized	63.81%	76.05%	88.27%	67.66%	66.11%	58.64%
<u>Organic Capacity</u>						
Influent Loadings (annual avg. lbs/day)						
BOD	17,380	20,064	16,676	16,854	16,878	16,526
TSS	15,498	17,290	15,427	14,654	14,665	14,691
NH3-N	1,505	1,524	1,506	1,319	1,312	1,264
WWTC Organic Capacity (lbs/day)						
BOD	14,120	14,120	14,120	14,120	14,120	14,120
TSS	15,920	15,920	15,920	15,920	15,920	15,920
NH3-N	1,651	1,651	1,651	1,651	1,651	1,651
% of WWTC Organic Capacity Utilized						
BOD	123.09%	142.10%	118.10%	119.36%	119.53%	117.04%
TSS	97.35%	108.61%	96.90%	92.05%	92.11%	92.28%
NH3-N	91.16%	92.31%	91.22%	79.89%	79.47%	76.56%

Table 6
DAILY AVERAGE CONCENTRATIONS
2013-2022

YEAR	EFFLUENT DAILY AVG. FLOW - MGD	INFLUENT (MG/L)			EFFLUENT (MG/L)		
		BOD	TSS	NH3-N	CBOD	TSS	NH3-N
2013	10.4	119	132	16.1	1.0	0.5	0.1
2014	11.2	127	154	16.0	1.0	0.7	0.3
2015	10.9	130	140	14.7	1.3	0.7	0.2
2016	11.2	189	183	16.1	1.1	0.6	0.3
2017	10.3	213	199	20.3	1.2	0.9	0.4
2018	11.0	230	210	18.7	1.5	1.2	0.6
2019	12.6	169	162	16.4	1.4	1.0	0.3
2020	10.6	213	188	16.4	1.3	0.8	0.6
2021	9.6	225	203	19.7	1.1	0.9	0.3
2022	9.8	216	196	17.8	1.0	0.9	0.5
AVG.	10.8	183	177	17.2	1.2	0.8	0.4

DAILY AVERAGE LOADINGS
2013-2022

YEAR	EFFLUENT DAILY AVG. FLOW - MGD	INFLUENT (LBS/DAY)			EFFLUENT (LBS/DAY)		
		BOD	TSS	NH3-N	CBOD	TSS	NH3-N
2013	10.4	9,699	10,865	1,279	93	55	11
2014	11.2	10,937	13,459	1,337	96	69	26
2015	10.9	11,630	12,028	1,218	115	67	23
2016	11.2	17,056	15,857	1,317	103	58	25
2017	10.3	17,380	15,498	1,505	121	111	40
2018	11.0	20,038	17,312	1,528	169	177	62
2019	12.6	16,676	15,427	1,506	163	124	33
2020	10.6	16,854	14,654	1,319	115	86	66
2021	9.6	16,878	14,665	1,312	97	93	38
2022	9.8	16,526	14,691	1,264	90	79	49
AVG.	10.8	15,367	14,446	1,359	116	92	37

TABLE 7
WWTC PERFORMANCE DATA - MONTHLY CONCENTRATIONS
2022

Month	EFFLUENT DAILY AVERAGE		PRIMARY TREATMENT			INTERMEDIATE TREATMENT		TERTIARY TREATMENT		OVERALL REMOVAL
	FLOW - MGD	PARAMETER	RAW SEWAGE (MG/L)	PRIMARY EFFLUENT (MG/L)	PRIMARY REMOVAL (% OF RAW)	INTERMEDIATE EFFLUENT (MG/L)	INTERMEDIATE REMOVAL (% OF PRI)	TERTIARY EFFLUENT (MG/L)	TERTIARY REMOVAL (% OF INT)	
Jan 2022	8.16	TSS	228	60	73.64	7.4	87.70	0.6	91.87	99.74
		BOD	255	95	62.59	2.8	97.04	0.86	69.60	99.66
		AMM-N	19.69					0.30		98.47
Feb 2022	12.26	TSS	172	66	61.63	7.9	88.05	0.9	90.16	99.50
		BOD	201	90	55.29	2.7	97.05	1.11	58.10	99.45
		AMM-N	13.33					1.40		89.53
Mar 2022	14.06	TSS	136	42	69.46	5.9	85.89	0.9	85.02	99.35
		BOD	139	58	57.92	1.9	96.72	0.90	52.99	99.35
		AMM-N	11.39					1.17		89.75
Apr 2022	16.37	TSS	153	59	61.30	7.5	87.32	1.1	84.71	99.25
		BOD	166	64	61.59	3.1	95.18	1.59	48.11	99.04
		AMM-N	10.28					0.57		94.44
May 2022	13.51	TSS	177	56	68.58	5.1	90.83	1.0	79.80	99.42
		BOD	210	87	58.43	2.2	97.43	1.21	46.29	99.43
		AMM-N	12.35					0.47		96.17
Jun 2022	8.91	TSS	277	51	81.64	3.0	94.10	1.0	68.22	99.66
		BOD	329	102	68.87	1.2	98.84	1.01	15.32	99.69
		AMM-N	20.86					0.34		98.35
Jul 2022	9.08	TSS	247	114	53.94	2.5	97.81	0.7	73.68	99.73
		BOD	267	154	42.27	1.1	99.29	0.69	36.93	99.74
		AMM-N	18.58					0.18		99.02
Aug 2022	7.07	TSS	232	62	73.27	4.3	93.01	2.3	46.98	99.01
		BOD	231	115	50.09	1.4	98.82	1.45	0.00	99.37
		AMM-N	21.32					0.75		96.48
Sep 2022	7.95	TSS	159	54	66.30	1.9	96.52	0.7	60.36	99.54
		BOD	164	88	46.31	0.8	99.04	0.79	6.66	99.52
		AMM-N	19.82					0.11		99.47
Oct 2022	5.24	TSS	196	70	64.01	5.3	92.45	0.4	92.53	99.80
		BOD	187	119	36.58	1.3	98.92	0.68	47.09	99.64
		AMM-N	22.49					0.10		99.54
Nov 2022	6.76	TSS	204	80	60.67	4.3	94.70	0.4	89.65	99.78
		BOD	225	124	44.68	2.0	98.43	0.82	57.83	99.63
		AMM-N	23.07					0.12		99.47
Dec 2022	8.72	TSS	171	74	56.68	5.4	92.73	0.5	90.94	99.71
		BOD	214	119	44.32	2.4	97.97	1.22	49.48	99.43
		AMM-N	20.33					0.13		99.34
Total Year Avg.	9.84	TSS	196	64	67.35	5.0	92.14	0.9	82.63	99.55
		BOD	216	100	53.47	1.9	98.14	1.03	44.78	99.52
		AMM-N	17.84					0.47		97.38

TABLE 8
WWTC PERFORMANCE DATA 2013-2022

YEAR	MGD	PARAMETER	PRIMARY TREATMENT			INTERMEDIATE TREATMENT		TERTIARY TREATMENT		TOTAL REMOVAL
			RAW SEWAGE	PRIMARY EFFLUENT	PRIMARY REMOVAL	INTERMEDIATE EFFLUENT	INTERMEDIATE REMOVAL	TERTIARY EFFLUENT	TERTIARY REMOVAL	
			(MG/L)	(MG/L)	(% OF RAW)	(MG/L)	(% OF RAW)	(MG/L)	(% OF RAW)	(% OF RAW)
2013	10.4	BOD	120	76	36.7%	2.3	61.4%	1.0	1.1%	99.2%
		TSS	133	57	57.1%	6.3	38.1%	0.5	4.4%	99.6%
		NH3	16.1					0.13		99.2%
2014	11.2	BOD	126	75	40.5%	3.1	57.1%	1.0	1.7%	99.2%
		TSS	152	62	59.2%	6.9	36.3%	0.7	4.1%	99.5%
		NH3	15.8					0.28		98.2%
2015	10.9	BOD	130	73	43.8%	2.9	53.9%	1.3	1.2%	99.0%
		TSS	140	49	65.0%	5.6	31.0%	0.7	3.5%	99.5%
		NH3	14.7					0.24		98.4%
2016	11.2	BOD	189	81	57.1%	2.7	41.4%	1.1	0.8%	99.4%
		TSS	183	52	71.6%	5.9	25.2%	0.6	2.9%	99.7%
		NH3	16.0					0.24		98.5%
2017	10.3	BOD	213	94	55.9%	2.8	42.8%	1.2	0.8%	99.4%
		TSS	199	73	63.3%	7.3	33.0%	0.9	3.2%	99.5%
		NH3	20.3					0.40		98.0%
2018	11.0	BOD	227	103	54.6%	3.1	44.0%	1.5	0.7%	99.3%
		TSS	211	81	61.6%	9.3	34.0%	1.2	3.8%	99.4%
		NH3	18.9					0.60		96.8%
2019	12.6	BOD	169	83	50.9%	2.6	47.6%	1.4	0.7%	99.2%
		TSS	162	68	58.0%	6.6	37.9%	1.0	3.5%	99.4%
		NH3	16.4					0.26		98.4%
2020	10.6	BOD	213	89	58.2%	2.5	40.6%	1.3	0.5%	99.4%
		TSS	188	55	70.7%	6.4	25.9%	0.8	3.0%	99.6%
		NH3	16.4					0.62		96.2%
2021	9.6	BOD	225	93	58.7%	2.3	40.3%	1.1	0.5%	99.5%
		TSS	203	52	74.4%	6.3	22.5%	0.9	2.7%	99.6%
		NH3	19.7					0.3		98.5%
2022	9.8	BOD	216	100	51.8%	1.9	44.0%	1.0	0.7%	99.3%
		TSS	196	64	58.0%	5.0	34.0%	0.9	3.8%	99.4%
		NH3	17.8					0.47		96.8%

TABLE 9

DIGESTER FEED VOLUMES2022

<u>MONTH</u>	<u>GALLONS PRIMARY</u>	<u>GALLONS WAS</u>	<u>GALLONS TWAS</u>	<u>GALLONS GREASE</u>	<u>GALLONS TOTAL FEED</u>	<u>GALLONS SUPERNATANT</u>
Jan	1,292,718	0	297,110	354,913	1,944,741	975,399
Feb	1,214,523	0	267,182	316,866	1,798,571	789,201
Mar	1,356,123	0	236,640	364,438	1,957,201	805,636
Apr	1,264,297	0	232,195	327,059	1,823,551	760,164
May	1,243,528	0	247,696	318,401	1,809,625	711,656
Jun	1,046,106	0	223,688	306,005	1,575,799	945,482
Jul	1,021,889	0	270,857	305,428	1,598,174	778,382
Aug	1,051,400	0	236,202	314,474	1,602,076	715,109
Sep	884,516	124,400	160,970	335,210	1,505,096	636,054
Oct	1,026,710	0	231,651	338,460	1,596,821	678,021
Nov	1,002,328	0	254,877	266,696	1,523,901	614,041
Dec	1,031,503	0	264,854	264,242	1,560,599	640,400
TOTAL	13,435,637	124,400	2,923,922	3,812,192	20,296,151	9,049,545

<u>YEAR</u>	<u>TOTAL GALLONS PRIMARY</u>	<u>TOTAL GALLONS WAS</u>	<u>TOTAL GALLONS TWAS</u>	<u>TOTAL GALLONS GREASE</u>	<u>TOTAL GALLONS FEED</u>	<u>TOTAL GALLONS SUPERNATANT</u>
2013	10,246,693	7,702,241	0	1,847,140	19,796,074	7,406,897
2014	10,556,827	8,726,360	0	2,637,907	21,921,094	7,669,632
2015	12,856,865	7,917,270	0	2,388,320	23,162,455	10,452,628
2016	16,005,236	9,480,829	0	3,669,377	29,155,442	21,897,719
2017	12,710,097	8,894,754	0	3,479,599	25,084,451	18,908,335
2018	12,790,989	7,632,530	0	4,450,410	24,873,929	9,292,026
2019	12,983,091	9,017,620	0	3,225,805	25,226,516	8,475,445
2020	11,268,548	7,249,980	7,762	2,797,874	21,324,164	8,966,994
2021	13,528,802	62,390	2,548,833	3,629,717	19,769,742	9,351,240
2022	13,435,637	124,400	2,923,922	3,812,192	20,296,151	9,049,545

TABLE 10
DIGESTED SLUDGE PUMPING
2022

<u>MONTH</u>	<u>GALLONS TO DRYING BEDS</u>	<u>GALLONS TO LAGOONS</u>	<u>GALLONS TO BELT PRESS</u>	<u>TOTAL GALLONS</u>	<u>TOTAL DRY SOLIDS (LBS)</u>	<u>DRY TONS</u>
Jan	141,540	0	754,346	895,886	205,094	103
Feb	122,640	0	840,870	963,510	219,163	110
Mar	268,380	127,260	815,964	1,211,604	266,659	133
Apr	290,220	36,960	646,962	974,142	217,386	109
May	223,020	66,360	1,098,413	1,387,793	288,845	144
Jun	0	59,220	770,838	830,058	162,996	81
Jul	265,600	0	622,546	888,146	190,695	95
Aug	344,496	62,496	709,211	1,116,203	237,466	119
Sep	58,800	0	756,026	814,826	182,448	91
Oct	93,660	65,100	699,892	858,652	185,212	93
Nov	156,240	84,000	579,665	819,905	178,716	89
Dec	128,940	0	636,114	765,054	170,196	85
TOTAL	2,093,536	501,396	8,930,847	11,525,779	2,504,877	1,252

<u>YEAR</u>	<u>TOTAL TO DRYING BEDS</u>	<u>TOTAL TO LAGOONS</u>	<u>TOTAL TO BELT PRESS</u>	<u>TOTAL GALLONS</u>	<u>TOTAL DRY SOLIDS (LBS)</u>	<u>DRY TONS</u>
2013	2,454,875	608,702	6,181,381	9,244,958	2,123,228	1,062
2014	2,111,002	900,582	7,757,099	10,768,684	2,311,647	1,156
2015	1,637,510	708,388	8,575,670	10,921,568	2,390,913	1,195
2016	2,684,707	722,430	5,483,122	8,890,259	1,773,261	1,006
2017	2,876,333	838,116	7,918,682	11,633,131	2,005,847	1,003
2018	2,734,442	498,168	11,821,260	15,053,870	2,410,325	1,206
2019	2,006,624	539,572	12,591,073	15,137,269	2,577,423	1,290
2020	1,840,304	288,600	10,932,096	13,061,000	2,166,043	1,083
2021	2,164,700	511,212	8,067,464	10,743,376	2,274,125	1,137
2022	2,093,536	501,396	8,930,847	11,525,779	2,504,877	1,252
					<u>Ten Year Avg.</u>	1,139

TABLE 11
CLASS A BIOSOLIDS DISTRIBUTION

YEAR	DELIVERED		CONTRACTOR P/UP		PICK-UP ST.		DGSD USE		TOTAL
	Cu. Yd.	% of Total	Cu. Yd.	% of Total	Cu. Yd.	% of Total	Cu. Yd.	% of Total	
2013	2,535	83%	113	4%	395	13%	0	0%	3,043
2014	3,012	87%	72	2%	321	9%	41	1%	3,446
2015	3,185	88%	75	2%	358	10%	7	0%	3,625
2016	2,269	67%	648	19%	451	13%	12	0%	3,380
2017	3,307	83%	322	8%	253	6%	101	10%	3,983
2018	2,414	79%	399	13%	253	8%	6	0%	3,072
2019	1,339	81%	120	7%	176	11%	9	1%	1,644
2020	820	54%	220	14%	464	30%	18	1%	1,522
2021	2,170	86%	47	2%	308	12%	12	0%	2,537
2022	832	70%	100	8%	251	21%	9	1%	1,192
TEN YEAR AVG	2,188	80%	212	8%	323	12%	22	0%	2,745

Table 12
BIOSOLIDS DISPOSAL

<u>Year</u>	<u>Class A Distribution</u>	<u>Class B Hauling</u>	<u>Total</u>	<u>Class A Distribution</u>		<u>Class B Hauling</u>		<u>Total</u>
	Cu. Yd.	Cu. Yd.	Cu. Yd.	Dry Tons	% of Total	Dry Tons	% of Total	Dry Tons
2013	3,043	0	3,043	1,757	100%	0	0%	1,757
2014	3,446	0	3,446	2,068	100%	0	0%	2,068
2015	3,625	0	3,625	1,948	100%	0	0%	1,948
2016	3,380	1,018	4,398	1,821	92%	164	8%	1,985
2017	3,983	1,718	5,701	1,964	90%	223	10%	2,187
2018	3,072	3,000	6,072	1,685	79%	449	21%	2,134
2019	1,644	4,830	6,474	938	60%	619	40%	1,557
2020	1,522	5,915	7,437	799	56%	634	44%	1,434
2021	2,537	3,780	6,317	1,405	76%	440	24%	1,845
2022	1,192	5,300	6,492	632	54%	542	46%	1,173
Ten Year Avg	2,744	2,556	4,398	1,502	54	307	46	1,809

TABLE 13

UTILITIES2022

<u>MONTH</u>	ELECTRICITY FROM COMED <u>KW HOURS</u>	ELECTRICITY FROM CHP <u>KW HOURS</u>	NATURAL GAS - CU.FT.				CITY WATER GALLONS
			WWTC	MSB	HYPO BLDG	5006 WALNUT	
Jan	-50,430	437,524	47,600	69,800	57,100	40,300	16,830
Feb	-37,377	432,137	41,000	57,600	23,500	34,500	80,111
Mar	-53,003	488,714	32,000	40,100	21,700	18,400	99,110
Apr	-30,608	497,641	23,467	21,333	6,633	14,233	216,571
May	-4,662	442,967	11,433	4,967	567	2,967	196,699
Jun	-32,019	409,003	5,700	3,200	0	0	167,028
Jul	18,041	374,296	4,567	3,933	0	0	163,862
Aug	100,795	305,079	4,533	2,267	100	0	173,785
Sep	-90,030	444,884	4,700	1,700	0	0	129,254
Oct	-107,404	450,610	13,300	6,800	3,100	7,300	120,204
Nov	-67,666	406,807	23,700	21,800	19,700	11,600	20,420
Dec	-21,081	380,122	39,300	56,667	51,133	21,425	44,406
<u>TOTAL</u>	-375,444	5,069,784	251,300	290,167	183,533	150,725	1,428,281

<u>YEAR</u>	ELECTRICITY FROM COMED <u>KW HOURS</u>	ELECTRICITY FROM CHP <u>KW HOURS</u>	NATURAL GAS - CU.FT.				CITY WATER GALLONS
			WWTC	MSB	HYPO BLDG	5006 WALNUT	
2013	4,710,718		1,852,600	291,100	199,300	150,172	570,319
2014	4,147,605	906,097	556,600	354,300	256,200	112,612	1,360,462
2015	3,088,543	1,618,114	330,725	242,300	243,341	90,150	2,022,867
2016	2,914,349	1,764,802	279,466	242,566	208,867	100,500	1,398,325
2017	2,099,643	2,598,796	206,667	261,833	217,700	95,500	801,133
2018	346,456	3,964,426	219,600	271,867	152,733	134,700	422,321
2019	476,040	3,951,914	219,900	296,700	232,300	136,200	227,990
2020	1,519,580	2,800,854	241,200	213,000	196,700	140,700	930,812
2021	-374,173	4,874,146	227,900	247,200	223,000	104,450	1,126,039
2022	-375,444	5,069,784	251,300	290,167	183,533	150,725	1,428,281

TABLE 14
NET ENERGY SUMMARY
2022

<u>MONTH</u>	<u>ENERGY USED, MWH</u>	<u>ENERGY PRODUCED, MWH</u>	<u>NET ENERGY, MWH</u>
Jan	837	833	4
Feb	793	792	1
Mar	887	910	-23
Apr	807	821	-14
May	806	805	1
Jun	675	704	-29
Jul	624	603	21
Aug	709	606	103
Sep	604	692	-88
Oct	562	662	-100
Nov	599	646	-47
Dec	707	682	25

MWH is mega-watt hour

TABLE 15
ELECTRICAL USAGE AND WWTC FLOWS

<u>YEAR</u>	<u>MGD</u>	<u>COMED KWHRS PER DAY</u>	<u>TOTAL FLOW MG</u>	<u>TOTAL KWHRS</u>	<u>KWHRS PER MG</u>
1997	10.3	20,259	3,760.52	7,394,400	1,966
1998	11.9	20,643	4,358.23	7,534,800	1,729
1999	10.8	20,831	3,945.26	7,603,200	1,927
2000	10.1	19,503	3,708.38	7,138,220	1,925
2001	11.9	18,837	4,329.23	6,875,400	1,588
2002	10.1	17,670	3,701.50	6,449,400	1,742
2003	9.4	17,648	3,442.68	6,441,600	1,871
2004	9.6	18,138	3,534.37	6,638,400	1,878
2005	9.7	17,859	3,545.21	6,518,400	1,839
2006	12.3	18,652	4,472.81	6,808,073	1,522
2007	10.5	18,549	3,831.59	6,770,460	1,767
2008	12.0	16,473	4,382.37	6,029,248	1,376
2009	12.4	13,912	4,507.87	5,077,824	1,126
2010	10.8	13,417	3,959.40	4,897,032	1,237
2011	11.8	14,089	4,310.18	5,142,655	1,193
2012	9.0	12,980	3,298.75	4,737,602	1,436
2013	10.4	12,906	4,117.91	4,710,718	1,144
2014	11.6	11,363	4,248.26	4,147,605	976
2015	11.3	8,462	4,105.10	3,088,543	752
2016	11.4	7,963	4,178.33	2,914,349	697
2017	10.3	5,752	3,769.61	2,099,643	557
2018	11.0	949	4,007.81	346,456	86
2019	12.6	1,304	4,597.81	476,040	104
2020	10.6	4,163	3,865.84	1,519,580	393
2021	9.6	-1,025	3,498.95	-374,173	-107
2022	9.8	-1,029	3,583.76	-375,444	-105

TABLE 16

**DIGESTER GAS UTILIZATION
2022**

MONTH	TOTAL PRODUCED	CHP	DEHUMIDIFIER	HEAT EXCHANGERS	WASTE (FLARED)	HAULED GREASE WASTE
	Cu. Ft.	Cu. Ft.	Cu. Ft.	Cu. Ft.	Cu. Ft.	Gals.
Jan	6,028,029	5,385,067	381,328	200,095	61,540	354,913
Feb	5,757,860	5,290,868	379,994	58,731	28,267	316,866
Mar	6,845,494	6,108,607	606,012	66,652	64,223	364,438
Apr	6,622,551	6,254,275	325,140	22,920	20,216	327,059
May	6,407,828	5,559,021	663,602	93,444	91,760	318,401
Jun	5,834,343	5,099,821	563,912	78,380	92,230	306,005
Jul	5,133,575	4,668,701	345,027	46,430	73,417	305,428
Aug	5,073,142	3,869,486	532,498	302,185	368,972	314,474
Sep	6,161,289	5,635,264	412,388	44,728	68,909	335,210
Oct	5,975,068	5,795,543	69,886	54,913	54,726	338,460
Nov	5,443,783	5,285,956	75,667	50,929	31,230	266,696
Dec	5,345,365	4,784,815	434,050	88,786	37,714	264,242
TOTAL	70,628,326	63,737,424	4,789,505	1,108,193	993,204	3,812,192

YEAR	TOTAL PRODUCED	ENGINE/ CHP	DEHUMIDIFIER	HEAT EXCHANGERS	WASTE (FLARED)	HAULED GREASE WASTE
	Cu. Ft.	Cu. Ft.	Cu. Ft.	Cu. Ft.	Cu. Ft.	Gals.
2013	49,310,158		13,063,363	27,651,410	8,595,385	1,854,698
2014	65,301,203	16,426,989	11,353,641	26,667,787	17,011,975	2,728,840
2015	68,198,366	31,095,549	5,858,902	20,643,295	21,656,843	2,389,320
2016	84,415,051	34,504,340	11,057,844	10,918,707	27,934,160	3,669,377
2017	65,346,479	37,324,484	4,074,161	9,737,050	14,210,784	3,480,299
2018	82,004,810	59,259,962	4,877,385	2,558,378	15,309,085	4,450,410
2019	82,452,685	57,564,552	8,000,079	1,775,449	15,112,605	3,225,805
2020	60,068,754	37,039,990	6,140,934	2,033,589	14,854,243	2,797,874
2021	66,902,773	60,574,223	3,652,697	1,173,765	1,456,328	3,629,717
2022	70,628,326	63,737,424	4,789,505	1,108,193	993,204	3,812,192

TABLE 17
CHEMICALS
2022

MONTH	LIQUID DISINFECTANT USE			LIQUID DISINFECTANT SOURCE			SLUDGE TREATMENT	
	0.8% SODIUM	0.8% SODIUM	40% SODIUM	SOLAR	0.8% SODIUM	16% SODIUM	DEWATERING POLYMERS	THICKENING POLYMERS
	HYPOCHLORITE	HYPOCHLORITE	BISULFITE	SALT	HYPOCHLORITE	HYPOCHLORITE		
	TERTIARY	EXCESS	TERTIARY	DELIVERY	FROM OSEC	DELIVERED		
	Gallons	Gallons	Gallons	Tons	Gallons	Gallons	lbs.	lbs.
Jan	0	15	0	0	3,696	0	1,800	1,800
Feb	34,141	31,226	436	0	49,840	4,500	4,500	1,800
Mar	58,634	37,379	507	25	84,952	0	1,800	3,600
Apr	120,545	66,514	493	25	186,200	0	1,800	0
May	147,096	29,194	1,346	0	184,240	4,000	1,800	1,800
Jun	125,262	1,125	1,502	25	144,592	0	3,600	4,500
Jul	110,258	16,253	754	25	139,440	0	3,600	0
Aug	135,246	26	738	25	152,768	0	1,800	1,800
Sep	99,098	15,292	809	25	106,288	4,000	0	1,800
Oct	84,100	15	1,241	25	95,312	0	1,800	1,800
Nov	3,317	17	30	0	4,200	0	1,800	1,800
Dec	13,775	7,188	82	0	22,792	0	0	1,800
TOTAL	931,472	204,244	7,938	175	1,174,320	12,500	24,300	22,500

TABLE 18

CHEMICAL USAGE

SODIUM HYPOCHLORITE USAGE

YEAR	TERTIARY lbs.	Flow MG	lbs./MG	EXCESS lbs.	FLOW MG	lbs./MG
2013	47,333	3,812.2	12.4	9,084	305.7	29.7
2014	57,131	4,075.9	14.0	12,448	172.4	72.2
2015	47,388	3,990.7	11.9	8,294	114.5	72.4
2016	47,954	4,093.5	11.7	13,733	84.9	161.8
2017	36,336	3,769.6	9.6	12,200	193.6	63.0
2018	39,153	4,007.8	9.8	10,984	221.6	49.6
2019	48,154	4,597.8	10.5	17,002	307.4	55.3
2020	51,073	3,865.8	13.2	8,600	177.8	48.4
2021	56,632	3,499.0	16.2	6,802	54.5	124.7
2022	87,474	3,583.8	24.4	18,078	175.1	106.6

SODIUM BISULFITE

SALT AND HYPOCHLORITE SOURCE

YEAR	TERTIARY lbs.	FLOW MG	lbs./MG	SOLAR SALT DELIVERY TONS	0.8% SODIUM HYPOCHLORITE FROM OSEC Gals.	16% SODIUM HYPOCHLORITE DELIVERED Gals.
2013	16,679	3,812.2	4.4	43	262,360	45,300
2014	14,742	4,075.9	3.6	144	1,035,552	9,600
2015	25,048	3,990.7	6.3	144	859,180	4,420
2016	19,432	4,093.5	4.7	189	1,012,424	3,956
2017	22,167	3,769.6	5.9	0	115,416	49,500
2018	23,824	4,007.8	5.9	0	0	58,000
2019	30,079	4,597.8	6.5	0	0	72,500
2020	26,901	3,865.8	7.0	125	707,168	9,000
2021	32,508	3,499.0	9.3	150	784,084	8,500
2022	35,357	3,583.8	9.9	175	1,174,320	12,500

POLYMERS DEWATERING

YEAR	POLYMERS lbs.	DRY SOLIDS lbs.	lbs. Solids per Polymer lb.
2013	14,850	1,276,521	86.0
2014	14,850	1,514,033	102.0
2015	16,200	1,485,811	91.7
2016	10,800	992,027	91.9
2017	16,200	1,266,862	91.9
2018	30,600	2,410,325	78.8
2019	36,000	2,577,421	71.6
2020	29,700	2,166,044	72.9
2021	27,000	2,274,125	84.2
2022	24,300	2,504,877	103.1

POLYMERS THICKENING

YEAR	POLYMERS lbs.	DRY SOLIDS lbs.	lbs. Solids per Polymer lb.
2013			
2014			
2015			
2016			
2017			
2018			
2019			
2020			
2021	22,275	1,190,702	53.5
2022	22,500	1,340,189	59.6

TABLE 19
NUTRIENTS
2022

Total Phosphorus

	Influent Concentration, mg/L	Influent Load, lbs/day	Effluent Concentration, mg/L	Effluent Load, lbs/day	% Removal of Load, %
January	6.41	463	3.12	207	55
February	5.60	472	2.20	182	61
March	3.30	334	1.51	157	53
April	3.32	385	1.61	196	49
May	4.07	370	1.91	189	49
June	7.10	551	3.75	311	43
July	5.71	406	3.24	227	44
August	5.85	366	4.57	291	20
September	4.68	256	2.64	155	40
October	5.38	294	3.66	99	66
November	5.00	280	3.92	212	24
December	4.97	303	2.77	168	45
Min	3.30	256	1.51	99	20
Max	7.10	551	4.57	311	66
Annual Total		136,317		72,856	
Avg	5.12	373	2.91	200	46

Total Nitrogen

	Influent Concentration, mg/L	Influent Load, lbs/day	Effluent Concentration, mg/L	Effluent Load, lbs/day	% Removal of Load, %
January	34.80	2,314	18.70	1,258	46
February	37.70	2,552	19.80	1,275	50
March	17.80	2,634	9.80	1,434	46
April	23.50	2,598	7.30	819	68
May	17.80	1,897	8.80	976	49
June	32.90	2,167	16.20	1,217	44
July	43.00	2,415	17.40	982	59
August	34.30	2,145	20.90	1,283	40
September	17.80	1,481	11.00	909	39
October	43.50	2,086	22.70	345	83
November	39.50	2,205	18.90	1,089	51
December	37.10	2,110	22.10	1,318	38
Min	17.80	1,481	7.30	345	39
Max	43.50	2,634	22.70	1,434	83
Annual Total		809,219		392,535	
Avg	31.64	2,110	16.13	1,075	51

TABLE 20
NUTRIENTS
ANNUAL AVERAGES SINCE 2015

Total Phosphorus					
	Avg Influent Concentration mg/L	Avg Influent Load lbs/day	Avg Effluent Concentration mg/L	Avg Effluent Load lbs/day	% Removal of Load, %
2015	4.37	352	2.54	206	39
2016	5.44	464	2.58	219	53
2017	5.62	454	2.99	235	47
2018	5.43	448	2.99	235	53
2019	4.68	434	2.99	235	53
2020	5.33	418	2.90	228	45
2021	5.72	405	3.33	238	40
2022	5.12	373	2.91	200	46
Average	5.21	419	2.90	225	47

Total Nitrogen					
	Avg Influent Concentration mg/L	Avg Influent Load lbs/day	Avg Effluent Concentration mg/L	Avg Effluent Load lbs/day	% Removal of Load, %
2015	31.80	2,853	17.98	1,620	43
2016	36.18	2,602	15.96	1,155	56
2017	38.52	3,128	16.04	1,318	57
2018	35.00	2,791	14.38	1,181	59
2019	28.88	2,527	13.20	1,189	53
2020	33.27	2,632	18.08	1,474	42
2021	34.84	2,472	17.02	1,278	48
2022	31.64	2,110	16.13	1,075	51
Average	33.77	2,639	16.10	1,286	51

DOWNERS GROVE SANITARY DISTRICT
M E M O

DATE: January 06, 2023

TO: Amy R. Underwood
General Manager

FROM: Keith Shaffner
Sewer Construction Supervisor

RE: Sewer Construction Year End Summary – 2022

The following is a brief summary of the construction activities that occurred in the past year:

Permits: The year 2022 saw a 5% decrease in single family permits issued over the prior year (Exhibit A). Single family tear downs and rebuilds continue to be a significant factor in new home construction within the District (Exhibit B). Also attached for reference is the Annual Summary of Sewer Permits issued for the last five years 2018–2022 (Exhibit C).

Annexations: Eight parcels totaling of 10.49 acres were added to the Sanitary District from the 2022 annexations. Trunk Sewer Service Charges (TSSC) collected from annexations totaled \$94,635.32. Please find attached a summary of the parcels annexed into the Sanitary District in 2022 and a comparison of the last five years of annexations (Exhibit D).

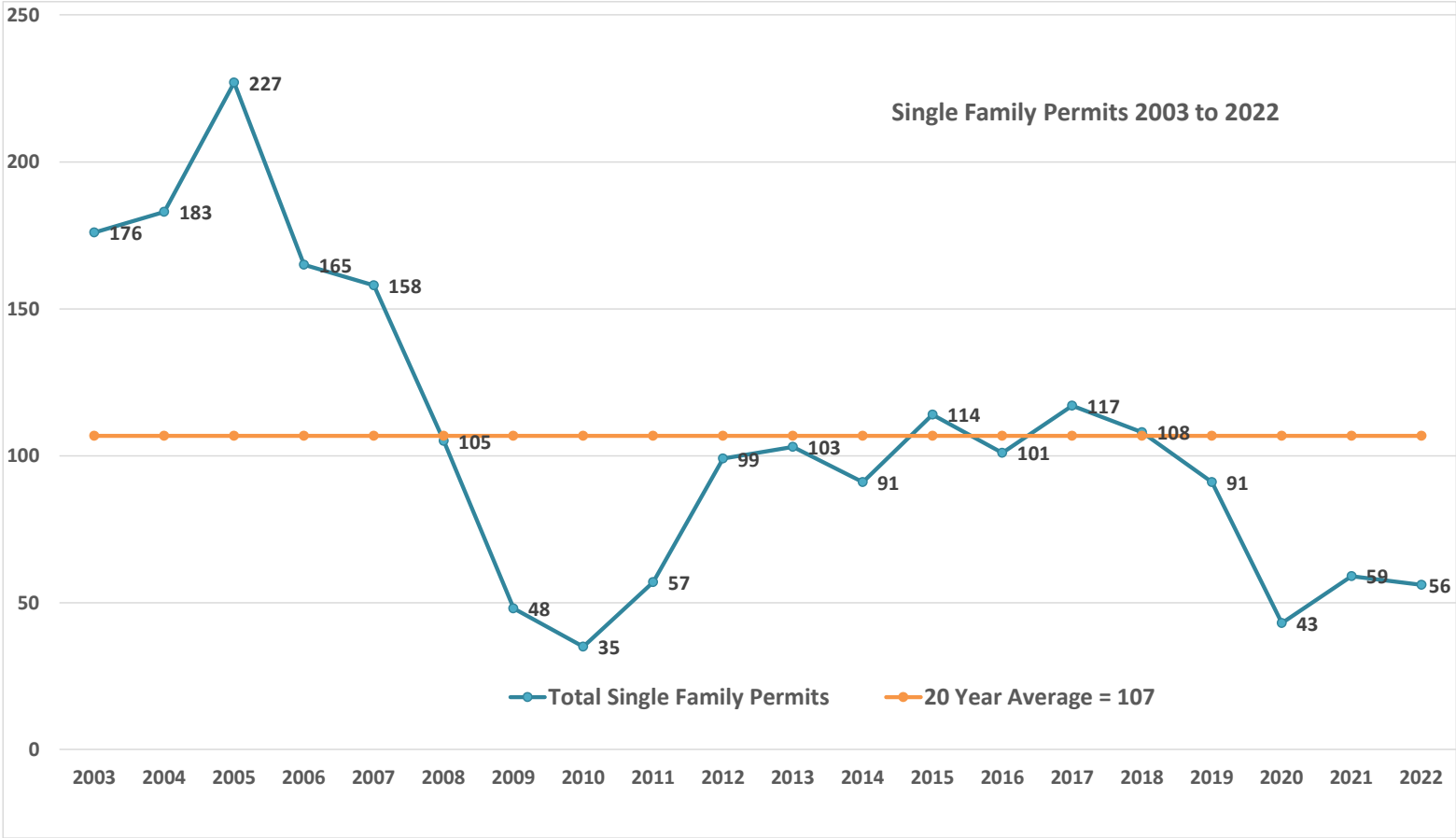
Board of Local Improvements: There were 4 BOLI meetings held in 2022, and they reviewed 4 proposed developments. 3 of the projects have progressed forward to review with the Sanitary District.

Illinois EPA Permits: IEPA issued construction permits for 7 new projects in the District, with an estimated wastewater flow totaling 142 PE (14,200 gallons per day).

Public Sewer Main Construction: There were four new public sewer main projects constructed in 2022, which added 1,140 linear feet of sewer main and 4 manholes.

CC: WDVb, AES, JMW, KJR, RTJ, MJS, RPS & MGP

Exhibit A



SINGLE FAMILY PERMITS AVERAGES

5 YEAR AVERAGE (2018-2022)	71
10 YEAR AVERAGE (2013-2022)	88
20 YEAR AVERAGE (2003-2022)	107

EXHIBIT B**SINGLE FAMILY TEAR-DOWNS & RE-BUILDS**

YEAR	TOTAL SF PERMITS	TEAR DOWN RE-BUILDS	% RE-BUILDS
2003	176	94	53.41%
2004	183	115	62.84%
2005	227	136	59.91%
2006	165	99	60.00%
2007	158	63	39.87%
2008	105	27	25.71%
2009	48	24	50.00%
2010	35	19	54.29%
2011	57	32	56.14%
2012	99	48	48.48%
2013	103	56	54.37%
2014	91	62	68.13%
2015	114	58	50.88%
2016	101	57	56.44%
2017	117	70	59.83%
2018	108	54	50.00%
2019	91	44	48.35%
2020	43	28	65.12%
2021	59	48	81.36%
2022	56	31	55.36%
20-YEAR AVE	107	58	54.54%
20 YEAR SUMMARY:			
TOTAL	SF PERMITS 2136	RE-BUILDS 1165	% RE-BUILDS 54.54%

EXHIBIT C DOWNERS GROVE SANITARY DISTRICT - SUMMARY OF SEWER PERMITS ISSUED

YEAR	PERMIT TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
2022	SINGLE FAMILY	2	3	11	4	6	2	6	6	3	6	6	1	56
2022	MULTIPLE FAMILY	1	0	0	0	0	0	0	0	0	0	0	0	1
2022	COMMERCIAL	0	1	1	0	1	1	1	3	0	1	1	0	10
2022	REPAIR	2	0	2	0	0	2	0	3	5	7	2	2	25
2022	DISCONNECT	3	5	0	3	2	6	6	0	1	3	8	2	39
2022	TOTAL	8	9	14	7	9	11	13	12	9	17	17	5	131

YEAR	PERMIT TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
2021	SINGLE FAMILY	5	5	10	3	5	5	2	2	6	6	7	3	59
2021	MULTIPLE FAMILY	0	0	1	0	0	0	0	1	0	0	0	0	2
2021	COMMERCIAL	0	0	0	1	0	1	1	2	2	0	0	1	8
2021	REPAIR	3	0	1	0	2	1	3	0	1	3	1	2	17
2021	DISCONNECT	3	3	2	3	5	5	2	2	1	6	6	3	41
2021	TOTAL	11	8	14	7	12	12	8	7	10	15	14	9	127

2020	SINGLE FAMILY	4	6	0	4	3	5	4	3	4	3	6	1	43
2020	MULTIPLE FAMILY	0	0	0	0	0	0	0	1	0	0	0	0	1
2020	COMMERCIAL	1	1	2	0	3	2	0	0	0	0	0	0	9
2020	REPAIR	1	0	1	0	0	0	0	2	4	1	1	0	10
2020	DISCONNECT	7	1	0	2	4	1	3	5	4	3	5	0	35
2020	TOTAL	13	8	3	6	10	8	7	11	12	7	12	1	98

2019	SINGLE FAMILY	7	5	8	6	19	12	7	9	4	7	2	5	91
2019	MULTIPLE FAMILY	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	COMMERCIAL	0	0	2	2	3	0	1	1	3	0	1	1	14
2019	REPAIR	0	1	1	0	0	2	1	0	0	0	1	2	8
2019	DISCONNECT	2	2	7	4	4	3	6	8	0	3	11	0	50
2019	TOTAL	9	8	18	12	26	17	15	18	7	10	15	8	163

2018	SINGLE FAMILY	9	4	6	4	10	16	7	25	12	7	2	6	108
2018	MULTIPLE FAMILY	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	COMMERCIAL	2	4	1	2	2	1	0	1	0	2	0	0	15
2018	REPAIR	1	0	0	2	1	1	2	1	0	2	0	1	11
2018	DISCONNECT	3	3	5	11	5	4	3	5	6	3	3	3	54
2018	TOTAL	15	11	12	19	18	22	12	32	18	14	5	10	188

Exhibit D**2022 Annexations**

LOCATION	NAME	DATE	TSSC	PERMIT	ACRES
4014 VENARD	Visher	05/14/22	\$3,539.03	2022-042	0.75
4025 VENARD	Sherman	05/14/22	\$3,592.98	2022-041	0.76
6490 S. CASS	Barnes Dev.	06/21/22	\$25,562.60	2022-027	2.16
6025 S. CUMNOR	Svoboda	07/22/22	\$2,822.34	2022-068	0.60
2657 OGDEN	HP WS-X	08/25/22	\$49,571.00	2022-076	4.20
4837 DRENDEL	Harris	10/06/22	\$1,652.00	2022-096	0.36
221 59TH	Miller	10/12/22	\$3,604.47	2022-093	0.76
297/299 60TH	SE Construction	11/14/22	\$4,290.90	2022-113	0.90
Totals			\$94,635.32		10.49

Annexations Five Year Comparison

Year	2018	2019	2020	2021	2022
Number of Annexations	5	7	4	6	8
TSSC	\$15,041.64	\$21,023.88	\$8,887.00	\$13,132.58	\$94,635.32
Acres	11.02	4.84	1.74	2.74	10.49

**DOWNERS GROVE SANITARY DISTRICT
MEMO**

TO: Amy Underwood
General Manager

FROM: Robert Swirsky
Sewer System Maintenance Supervisor

DATE: January 6, 2023

RE: Review of Operations – Collection System Performance for 2022

I have enclosed copies of the following items for your review:

- 1) Annual Sewer Backup Comparisons for 1995 through 2022
- 2) Manhole Overflow and Sewer Backup Summary by Event
- 3) Manhole Overflow and Sewer Backup Summary by Year
- 4) 2022 Public Sewer Blockages
- 5) 2022 Building Service Blockages
- 6) Mainline PACP TV Status Map
- 7) Current I&I Ranking of Flow Metering Basins

CC: WDVb, AES, JMW, RTJ, KJR, MS, CSS, MPG

DOWNERS GROVE SANITARY DISTRICT ANNUAL SEWER BACK UP COMPARISONS

REPORTING YEAR	TOTAL BACK UPS FOR YEAR ***	PUBLIC SEWER BLOCKAGES	BUILDING SERVICE PROBLEMS	HEAVY RAIN SURCHARGE ***	LIFT STATION FAILURE
1995	164	26	136	2	0
1996	765	23	199	542	1
1997	632	24	114	494	0
1998	209	32	137	40	0
1999	227	31	191	5	0
2000	241	29	205	7	0
2001	216	22	132	61	0
2002	190	35	155	0	0
2003	207	27	180	0	0
2004	213	18	193	2	0
2005	328	21	300	7	0
2006	373	13	330	30	0
2007	286	11	275	0	0
2008	418	17	312	101	0
2009	312	19	242	59	0
2010	305	11	285	9	0
2011	280	15	262	3	0
2012	273	14	258	1	0
2013	474	13	322	139	0
2014	311	21	281	9	0
2015	238	11	227	0	0
2016	203	11	188	4	0
2017	242	9	200	33	0
2018	202	8	183	11	0
2019	199	2	192	5	0
2020	263	8	219	36	0
2021	270	12	258	0	0
2022	274	8	266	0	0
20 year AVE	279	13	249	22	0
5 year AVE	242	8	224	10	0

*** TOTALS FOR YEARS 1996 & 1997 INCLUDES DATA FROM SURVEY RESPONSES

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	6/6/2022	5/6/2022	2/11/2021	1/22/2021	5/17/2020	11/1/2019
PRECIP FOR 24 Hrs	N/A	N/A	N/A	N/A	3.13	N/A
PRECIP FOR 3 PREVIOUS DAYS	Dry Weather Overflow	Dry Weather Overflow	Dry Weather Overflow	Dry Weather Overflow	2.73	Dry Weather Overflow
10- day rainfall					6.23	4.39
PEAK WWTG FLOW					116.5	
# OF OVERFLOWS			1	1	9	1
MH LOCATIONS	N/A Broken Force Main FMCL-001 to Bend	N/A Broken Force Main FMW-008 to FMW-007	LA Fitness Inspection MH	N1-025-6	1M-050 2D-001 1H-005 1H-004 1K-049 G4-007 2A-011 G1-012	N1-025-6

OF BACKUPS

36

5604 Carpenter
4013 Elm
5543 Wilcox
5713 Main
4018 N. Adams
471 7Main
1105 Sixty Second
5501 Fairview
4524 Prince
1660 Bolson
145 N. Hudson
5615 Brookbank
4717 Main
5543 Wilcox
4518 Prince
643 Maple
242 Fifty Fifth
34 N. Adams
420 N. Washington
18 N. Cass
5408 Main
1106 Sixtieth
4725 Linscott
4721 Highland
4031 N. Grant
4906 Edward
5416 Cumnor
6025 Woodward
324 Fifty Fifth
131 N. Hudson
3944 Main
951 Valley View
1424 Sixty Second
301 Fifty Fifth Place
4524 Prince
4417 Highland

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	10/26/2019	9/15/2019	7/18/2019	5/27/2019	4/30/2019	4/29/2019
PRECIP FOR 24 Hrs	2.65	0.79	1.99	1.72	1.51	2.2
PRECIP FOR 3 PREVIOUS DAYS	2.66	Mainline Blockage Dry Weather Overflow	0.86	0.3	2.65	0.56
10- day rainfall	2.91		3.18	3.62	4.37	2.86
PEAK WWTG FLOW	86		73.84	75.3	88.12	85.59
# OF OVERFLOWS	5	1	1	2	3	1
MH LOCATIONS	1M-050 2D-001 1H-005 1H-004 1K-049	1K-046	2D-001	2D-001 1K-049	2D-001 1M-050 1K-049	2D-001
# OF BACKUPS	2 5501 Farview Ave 115 S. Grant St					

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	11/1/2018	2/20/2018	1/26/2018	11/27/2017	10/14/2017	5/10/2017
PRECIP FOR 24 Hrs	N/A	2.3	N/A	N/A	6.88	1.3
PRECIP FOR 3 PREVIOUS DAYS	Dry Weather Overflow	0.64	Dry Weather Overflow	Dry Weather Overflow	1.21	0.52
10- day rainfall		3.23	Liner Installation	Liner Installation	9.55	2.49
PEAK WWTG FLOW		105.33			105.91	73.3
# OF OVERFLOWS	1	10	1	1	15	2
MH LOCATIONS	W1-076	1M-050 2D-001 2C-089-1 1H-012 1H-005 1H-004 1K-049 2C-115 G1-011 G1-012	3A-014	3A-030	L1-109 1H-012 1H-004 1H-005 1K-049 2A-011 2A-011-A 2D-001 1M-034 1M-049 G1-012 H1-004 H1-005 H4-004 H4-088	1M-049 1K-049
# OF BACKUPS		21 212 S. Lincoln 4133 Saratoga 5104 DeWitt 4019 N. Washington 4804 Highland 752 Chicago 18 N. Cass 504 N. Washington 4618 Roslyn 1 N. Cumnor 5730 Main 4924 Washington 115 S. Grant 4618 Roslyn 131 N. Hudson 828 Chicago 4904 Puffer 4540 Highland 3928 N. Cass 3924 Forest 326 Gierz			38 1122 60th 115 S Grant 1450 Palmer 1917 B Curtiss 1928 Curtiss 326 Gierz 3902 S Adams 4014 N Grant 4015 N Washington 4018 N Adams 4023 N Grant 4112 N Adams 4132 Roslyn 4507 Fairview 4825 Pershing 4943 Highland 5143 Grand 5501 Fairview 5713 Main 5740 Plymouth 6941 Lyman 7001 Foster 7020 Foster 733 Chicago 752 Chicago 821 Valley View 831 Valley View 951 Valley View 820 Valley View 4915 Washington 6909 Galway 4939 Wallbank 4618 Roslyn 1418 62nd 4819 Pershing 4611 Fairview 238 Chicago 3926 N. Lincoln	3 112 N. Lincoln 138 N. Lincoln 305 N. Washington

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	4/29/2017	4/27/2017	3/30/2017	3/17/2017	3/1/2017	8/27/2016
PRECIP FOR 24 Hrs	2.38	N/A	1.83	N/A	1.69	1.1
PRECIP FOR 3 PREVIOUS DAYS	0.54	Dry Weather Overflow	0.73	Dry Weather Overflow	0	0.47
10- day rainfall	3		2.88		2.12	2.68
PEAK WWTG FLOW	69.34		70.78		88.54	64.07
# OF OVERFLOWS	2		2	1	2	1
MH LOCATIONS	1M-049 2D-001	2A-072	1M-049 2D-001	B1-038-1	1M-049 2D-001	1M-049
# OF BACKUPS			2 1165 Barberry 122 S. Cass			2 115 S. Grant 130 S. Lincoln

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	7/29/2016	3/24/2016	8/29/2015	6/15/2015	5/26/2015	11/28/2014
PRECIP FOR 24 Hrs	1.47	N/A	N/A	1.5	0.57	N/A
PRECIP FOR 3 PREVIOUS DAYS	2.27	Dry Weather Overflow	Dry Weather Overflow	1.93	0.31 Dry Weather Overflow	Dry Weather Overflow
10- day rainfall	5.81			4	0.88	
PEAK WWTG FLOW	68.33			88.4		
# OF OVERFLOWS	2	1	1	2	1	1
MH LOCATIONS	1M-049 2D-001	2F-010 2F-011	2G-037	1M-049 2D-001	1A-021	H5-021-90
# OF BACKUPS		0	0	2		1
				1165 Barberry 3524 Saratoga		1230 75th

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	10/18/2014	8/22/2014	6/30/2014	5/20/2014	11/22/2013	10/31/2013
PRECIP FOR 24 Hrs	N/A	1.52	2.04	1.47	N/A	2.46
PRECIP FOR 3 PREVIOUS DAYS	Dry Weather Overflow	2.15	0.07	0	Dry Weather Overflow	0.65
10- day rainfall		3.81	2.97	3.1		3.2
PEAK WWTG FLOW		85.66	71.9	67.28		75.19
# OF OVERFLOWS	1	3	1	2	1	1
MH LOCATIONS	1H-012	1M-049 1M-050 2D-001	1M-049	1M-049 2D-001	FMCL-001	1M-049

# OF BACKUPS	0	8	1	0		
		4129 Washington 115 S. Grant 117 S. Grant 5604 Carpenter 200 S. Lincoln 5436 Cumnor 1928 Curtiss 122 S. Lincoln	1129 Barberry			

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	4/18/2013	3/10/2013	8/26/2012	2/21/2012	6/9/2011	5/25/2011
PRECIP FOR 24 Hrs	4.67	1.02	3.4	N/A	2.49	N/A
PRECIP FOR 3 PREVIOUS DAYS	2.59	0.4	0	Dry Weather Overflow	0.27	Dry Weather Overflow
10- day rainfall	8.61	1.52	3.7		2.95	
PEAK WWTG FLOW	116	74.79	73.26	N/A	77.56	N/A
# OF OVERFLOWS	?	1	0	1	6	1
MH LOCATIONS	1M-049 H4-088 2C-089-1 G1-012 1H-005 2D-001 1K-049 2A-011-A 2E-023 unable to verify all locations due to surface flooding	1M-049		1H-012	1M-049 H1-003* H1-004* H1-005* 2D-001 1K-049 * Lift Station Failure	V3-049
# OF BACKUPS	269	1	1	1	3	2
	124 N. Lincoln 5505 Dunham 4717 Main 5505 Fairview 1928 Curtiss 4936 Francisco 17 W. Naperville 6021 Grand 4832 Saratoga 6035 Dunham 3840 Florence 5320 Benton 5300 Blodgett 6941 Lyman 4535 Elm 130 N. Williams 6121 Carpenter 5236 Fairmount 917 Blanchard 301 55th 4915 Washington 3944 Main 1130 Franklin 4823 Prince 3946 Elm 1925 Prairie 3524 Saratoga 123 N. Washington 1141 Valley View 4710 Saratoga 200 S. Grant 4945 Highland 5235 Fairmount 428 S. Cass 5310 Lyman 1424 62nd 6133 Dunham 2045 Prairie 2035 Prairie	117 S. Grant	1129 Barberry	310 Otis	5701 Webster 4111 Roslyn 1165 Barberry	3840 Florence 3831 Florence

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	3/5/2011	1/31/2011	12/31/2010	12/14/2010	8/3/2010	7/24/2010
PRECIP FOR 24 Hrs	N/A	N/A	0.89	N/A	1.65	2.86
PRECIP FOR 3 PREVIOUS DAYS	Dry Weather Overflow	Dry Weather Overflow	0.55	Dry Weather Overflow	1	0.79
10- day rainfall			1.46		4.65	3.65
PEAK WWTG FLOW	N/A	N/A	52.38	N/A	73.52	88
# OF OVERFLOWS	2	1	0	1	1	6
MH LOCATIONS	V-4-112 V-4-060	1H-055		L1-051	1M-049	1M-049 1H-012 1H-005 1H-004 1K-049 G4-004-A
# OF BACKUPS		1 405 Grant	1 1129 Barberry			4 4032 N. Grant 4020 Liberty 3941 Main 4031 N. Grant

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	6/23/2010	6/2/2010	5/10/2010
PRECIP FOR 24 Hrs	0.97	1.95	N/A
PRECIP FOR 3 PREVIOUS DAYS	0.59	1.26	Dry Weather Overflow
10- day rainfall	2.07	3.61	
PEAK WWTG FLOW	71	92.98	N/A
# OF OVERFLOWS	1	5	1
MH LOCATIONS	1M-049	1M-049 2D-001 1K-046 2A-011-A G1-012	1D-062
# OF BACKUPS	0	4	
		5533 Washington 335 S. Park 115 S. Grant 109 N. Williams	

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	10/30/2009	8/28/2009	3/8/2009	2/26/2009
PRECIP FOR 24 Hrs	1.32	N/A	2.21	2.46
PRECIP FOR 3 PREVIOUS DAYS	0.78	DRY WEATHER OVERFLOW	1.34	0.13
10- day rainfall	4.81		6.04	3.02
PEAK WWTG FLOW	71.05	N/A	83.04	92.57
# OF OVERFLOWS	2	1	12	6
MH LOCATIONS	1M-049 G1-012	H3-002-2	1M-049 H1-004 H1-005 1H-005 1K-049 G1-012 G1-015 2A-011-A 1M-056-A G4-004-A C1-009 H6-050	1M-049 H1-004 H1-005 1H-005 1K-049 L1-001
# OF BACKUPS	2	0	39	18
	4727 Fairview 4715 Fairview		1922 A Curtiss 1224 Brookside 917 Chicago 100 Chicago 221 Chicago 1924 Curtiss 1926 Curtiss 4132 Elm 5729 Fairmount 1441 Golden Bell 301 Indianapolis 231 James 235 James 5548 Lyman 5536 Lyman 5549 Lyman 5544 Lyman 4009 N. Washington 123N. Washington 420N. Washington 4015N. Washington 3100gden 4620Pershing 4604Pershing 1725Prairie 4151Roslyn 117S. Grant 335S. Park 1125Sixty Second PL 1020Sixty Second PL 743Sixty Seventh St 34W. Fifty Fifth PL 38W. Fifty Fifth PL 29W. Fifty Fifth St 5701Webster 5704Webster 116West End 4119Williams 4636Wilson	616 Rogers 125 Eight 212 Lincoln 335 S. Park 101 N. Park 430 Rogers 100 Chicago 1240 Gilbert 221 Chicago 521 N. Park 307 N. Washington 420 N. Washington 1125 Barneswood 115 S. Grant 5436 Cumnor 1924 Curtiss 4004 Washington 200 W. Chicago



2022 Mainline Blockages

Wednesday, January 4, 2023

9:47:15 AM

Date of Backup	Name of Caller	Address	Street
2/8/2022	Graf, Paul	5100	Fairview
3/11/2022	Ficht, Eric	745	Chicago
3/25/2022	Kenny, Patrick	5812	Plymouth
5/6/2022	Suker, John#2	520	Bunning
5/23/2022	McGivern, Kate	1035	Havens
6/21/2022	Dziadus, Halina & Andrew	4014	Williams
7/9/2022	Kaempfen, Dee	46	W. Fifty Sixth
12/13/2022	Shah, Karan	406	Ascot



2022 Service Line Backups

Thursday, January 5, 2023

8:16:07 AM

Date of Backup	Address	Street
1/2/2022	4405	Florence
1/2/2022	5152	Fairview
1/3/2022	5431	Brookbank
1/4/2022	5152	Fairview
1/5/2022	1901	Oxnard
1/5/2022	207	Bridle Path
1/5/2022	2550	Wisconsin
1/5/2022	3713	Venard
1/12/2022	1008	Carol
1/15/2022	4616	Forest
1/17/2022	3760	Dillon
1/17/2022	7334	Bayberry
1/17/2022	5145	Cornell
1/22/2022	6718	Meadow Crest
1/25/2022	4616	Forest
1/25/2022	334	Third
1/27/2022	5300	Katrine
1/31/2022	3912	Main
2/1/2022	1620	Ogden
2/2/2022	3725	Downers
2/5/2022	216	Fifty Sixth
2/6/2022	3822	N. Washington
2/7/2022	1530	Dickson
2/7/2022	529	Austin
2/9/2022	1530	Arrow Wood
2/9/2022	315	N. Lincoln
2/13/2022	4716	Elm
2/14/2022	6512	Briargate
2/14/2022	321	Second
2/14/2022	6119	Osage
2/16/2022	4814	Bryan

Date of Backup	Address	Street	
2/16/2022	1943	Curtiss	
2/16/2022	210	N. Grant	
2/16/2022	5234	Florence	
2/17/2022	4612	Stonewall	
2/17/2022	1149	Thirty Fifth	
2/17/2022	5800	Washington	
2/17/2022	4525	Elm	
2/17/2022	1122	Franklin	
2/23/2022	248	Forty First	
2/23/2022	5829	Brookbank	
2/23/2022	4161	Roslyn	
2/27/2022	7334	Baybury	
2/27/2022	7334	Baybury	
3/2/2022	4003	N. Park	
3/2/2022	4724	Forest	
3/2/2022	4112	Washington	
3/3/2022	1731	Concord	
3/3/2022	1958	Hitchcock	
3/4/2022	6651	Woodward	
3/7/2022	3912	N. Cass	
3/11/2022	3813	Liberty	
3/15/2022	1135	Maple	
3/15/2022	1365	Turvey	
3/18/2022	4003	N. Park	
3/18/2022	140	W. Burlington	
3/18/2022	745	Chicago	
3/19/2022	4814	Florence	
3/20/2022	126	W. Naperville	
3/21/2022	634	N. Cass	
3/21/2022	4212	Earlston	
3/21/2022	1939	Elmore	
3/23/2022	6501	Main	
3/23/2022	3903	N. Grant	

Date of Backup	Address	Street
3/29/2022	2550	Wisconsin
3/29/2022	126	S. Lincoln
3/29/2022	5600	Belmont
3/29/2022	140	W. Burlington
3/30/2022	619	Ridgeview
4/1/2022	4400	Woodward
4/1/2022	237	S. Lincoln
4/2/2022	25	Blue Grass
4/3/2022	4834	Lee
4/3/2022	5517	Dunham
4/4/2022	3659	Red Bud
4/5/2022	5600	Belmont
4/6/2022	5539	Dunham
4/6/2022	1118	Franklin
4/6/2022	6033	Brookbank
4/7/2022	5619	Dunham
4/11/2022	6731	Briargate
4/12/2022	45	Crab Tree
4/12/2022	4241	Highland
4/13/2022	1110	Sixtieth
4/14/2022	4604	Elm
4/15/2022	3659	Red Bud
4/15/2022	6912	Parkview
4/15/2022	5836	Dearborn
4/18/2022	4221	Elm
4/22/2022	1226	Jefferson
4/25/2022	4800	Highland
4/25/2022	4616	Washington
4/25/2022	5220	Fairview
4/25/2022	4700	Linscott
4/26/2022	1455	Brunette
4/26/2022	4020	Elm
4/26/2022	5744	Main

Date of Backup	Address	Street	
4/26/2022	5115	Carpenter	
4/29/2022	1532	George	
5/3/2022	4500	Cross	
5/3/2022	4112	Longmeadow	
5/3/2022	1529	George	
5/3/2022	5913	Osage	
5/3/2022	4720	Main	
5/3/2022	5816	Webster	
5/4/2022	520	Bunning	
5/12/2022	4228	Washington	
5/15/2022	5258	Washington	
5/15/2022	6913	Fairmount	
5/16/2022	5606	King Arthur	
5/18/2022	4226	Main	
5/19/2022	4750	Pershing	
5/20/2022	1740	Oxnard	
5/21/2022	4224	Main	
5/23/2022	3649	Duchess	
5/23/2022	138-140	N. Cass	
5/23/2022	30	N.Cass	
5/23/2022	2035	Prairie	
5/24/2022	30	N. Cass	
5/25/2022	3649	Quince	
5/25/2022	6430	Davane	
5/26/2022	437	Lindley	
5/27/2022	704	Seventy Third	
5/27/2022	5546	Washington	
5/29/2022	4043	West End	
5/31/2022	4400	Seeley	
6/5/2022	426	Prairie	
6/6/2022	5155	Mochel	
6/6/2022	555	Thirty First	
6/6/2022	3931	N. Williams	

Date of Backup	Address	Street
6/6/2022	1109	Buttonwood
6/7/2022	5436	Lyman
6/7/2022	305	S. Hudson
6/11/2022	839	Claremont
6/12/2022	120	Traube
6/15/2022	212	W. Burlington
6/15/2022	152	Saddle Brook
6/19/2022	710	Prairie
6/19/2022	7306	Ticonderoga
6/20/2022	2136	Midhurst
6/20/2022	1117	Buttonwood
6/23/2022	1049	Grove
6/23/2022	7013	Osage
6/27/2022	6651	Woodward
6/28/2022	6806	Grand
6/29/2022	4112	Highland
6/29/2022	1321	Palmer
6/29/2022	5910	Springside
6/30/2022	1114	Thirty Fifth
7/9/2022	4641	Linscott
7/11/2022	972	Indian Boundry
7/11/2022	5145	Main
7/11/2022	4330	Elm
7/13/2022	4741	Belmont
7/14/2022	7345	Hartford
7/14/2022	1109	Buttonwood
7/14/2022	217	N. Grant
7/15/2022	4508	Wilson
7/19/2022	302	S. Lincoln
7/24/2022	4013	Highland
7/25/2022	818	Birch
7/26/2022	5100	Main
7/27/2022	4532	Bryan

Date of Backup	Address	Street	
7/29/2022	305	S. Hudson	
7/30/2022	1949	Wellington	
7/31/2022	302	S. Hudson	
8/1/2022	6540	Dunham	
8/3/2022	5617	Dunham	
8/8/2022	3813	Liberty	
8/8/2022	1226	Fifty Ninth	
8/8/2022	3800	Highland	
8/12/2022	912	Summit	
8/12/2022	75605	Suffield	
8/16/2022	4918	Whiffen	
8/17/2022	341	Sheldon	
8/22/2022	137	N. Hudson	
8/22/2022	841	Claremont	
8/24/2022	931	Indian Boundary	
8/26/2022	326	Gierz	
8/27/2022	170	Saddle Brook	
8/30/2022	232	James	
9/1/2022	1250	Fifty Fifth	
9/5/2022	4329	Fairview	
9/6/2022	922	Sixty Second	
9/6/2022	112	Second	
9/6/2022	5544	Lyman	
9/6/2022	1023	Oxford	
9/6/2022	110	W. Oakley	
9/8/2022	1245	Warren	
9/8/2022	200	N. Lincoln	
9/11/2022	4926	Cumnor	
9/13/2022	3636	Downers	
9/14/2022	2035	Prairie	
9/14/2022	4729	Stonewall	
9/14/2022	4929	Drendel	
9/15/2022	2012	Oxnard	

Date of Backup	Address	Street
9/15/2022	5408	Benton
9/16/2022	5408	Benton
9/16/2022	1908	Elmore
9/21/2022	6613	Blackstone
9/21/2022	3310	Pomeroy
9/24/2022	114	Indian Trail
9/24/2022	112	Second
9/24/2022	126	Indian Trail
9/27/2022	4421	Oakwood
9/29/2022	6904	Sweetbriar
9/29/2022	5129	Florence
9/30/2022	6225	Lyman
10/1/2022	121	Tower
10/3/2022	137	Fifty Fifth Pl
10/7/2022	6624	Fairmount
10/7/2022	931	Indian Boundary
10/7/2022	404	Sixty Seventh Ct
10/10/2022	218	S. Cass
10/11/2022	3920	Main
10/11/2022	6460	Wells
10/12/2022	207	W. Quincy
10/13/2022	6525	Main
10/17/2022	4040	Fairview
10/18/2022	4805	Wallbank
10/22/2022	801	Oxford
10/23/2022	766	Seventy Second
10/24/2022	904	Indian Boundry
10/31/2022	6124	Lyman
11/2/2022	4733	Roslyn
11/2/2022	4004	N. Park
11/3/2022	701	Brougham
11/4/2022	46	W. 56th Pl
11/5/2022	910	Stratford

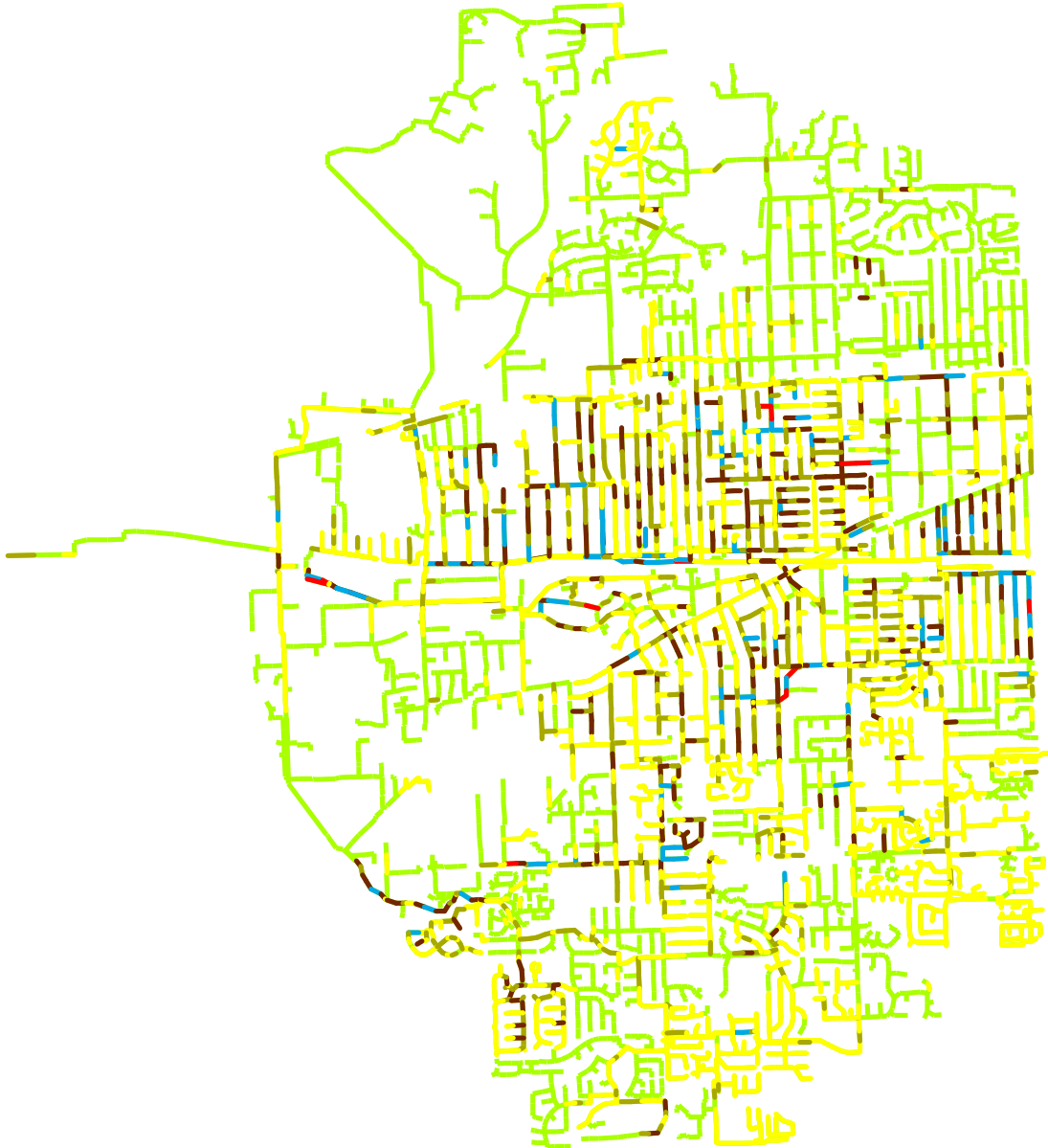
Date of Backup	Address	Street	
11/6/2022	810	Red Stable	
11/7/2022	5623	Washington	
11/9/2022	6531	Midhurst	
11/10/2022	1120	Oak Hill	
11/10/2022	5749	Main	
11/15/2022	4725	Pershing	
11/17/2022	938	Fifty Ninth	
11/18/2022	4244	Lindley	
11/18/2022	830	Jay	
11/18/2022	5600	Carpenter	
11/21/2022	4413	Wilson	
11/22/2022	1050	Black Oak	
11/25/2022	742	Claremont	
11/28/2022	4536	Sherwood	
11/28/2022	721	Ogden	
11/29/2022	4020	Earlston	
11/29/2022	1918	Hitchcock	
11/30/2022	1115	Buttonwood	
12/8/2022	218	Sheldon	
12/8/2022	7051	Springside	
12/12/2022	332	W. Naperville	
12/14/2022	5709	Aubrey	
12/15/2022	418	W. Burlington	
12/15/2022	1215	Oak Hill	
12/16/2022	749	Claremont	
12/19/2022	335	Third	
12/19/2022	1139	Palmer	
12/19/2022	1424	Willard	
12/19/2022	4520	Prince	
12/23/2022	417	W. Naperville	
12/23/2022	2015	Chicago	
12/24/2022	4716	Lee	
12/24/2022	4640	Lee	

Date of Backup	Address	Street
12/25/2022	6401	Barrett
12/26/2022	1644	Warren
12/27/2022	6366	S. Cass
12/27/2022	624	Crescent
12/27/2022	6461	Wells

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2022 Mainline PACP TV Status



Legend

PACP Inspections-Probability of Failure

TOTAL MAINLINES PACP RATED =722,333 FT.

- Failure unlikely in the foreseeable future - 442,743 Ft.
 - Pipe unlikely to fail for at least 20 years - 144,476 Ft.
 - Pipe may fail in 10 to 20 years - 87,990 Ft.
 - Pipe will probably fail in 5 to 10 years - 41,952 Ft.
 - Pipe has failed or will fail within the next 5 years - 5,172 Ft.
- PACP Rated Mainlines -722,333 Ft. =54% of Total Mains
- Total District Sanitary Mainlines - 1,347,928 - Ft.

**Downers Grove Sanitary District
Flow Monitoring Program**

I/I Ranking Summary - Highest I/I to Lowest I/I

Manhole Number	Group	Region	Through January 2023	
			Average I/I Number	Rank 1 = Highest I/I
2-D-16	C	Central	32.78	1
W-1-4	M	Hobson	27.67	2
N-1-3	E	Northwest	23.58	3
1-G-18	I	Central	23.34	4
1-L-19-1	H	Central	21.27	5
W-2-3	M	Hobson	20.95	6
1-J-9	A	Central	20.81	7
N-1-25	E	Northwest	20.64	8
2-C-25	C	Central	19.34	9
1-M-8	H	Central	19.12	10
1-F-9	I	Central	18.78	11
W-1-12	M	Hobson	18.41	12
G-1-15	B	Central	17.65	13
1-K-10	A	Central	17.37	14
V-2-31	O	Northwest	17.07	15
1-M-15	H	Central	16.67	16
1-K-28	A	Central	16.39	17
N-1-38	E	Northwest	16.30	18
1-A-3	K	Central	16.11	19
1-G-35	H	Central	16.04	20
2-D-4	C	Central	15.29	21
V-1-15	O	Northwest	14.58	22
E-1-14	O	Central	14.54	23
G-2-1	B	Central	14.27	24
2-A-42	K	Central	14.23	25
G-6-2	B	Central	14.10	26
1-H-4	H	Central	14.04	27
1-B-10	J	Central	13.80	28
2-G-5	C	Central	13.27	29
E-1-26	O	Central	13.24	30
V-4-2	N	Central	12.56	31
B-1-000	E	Northwest	12.52	32
C-1-000	L	Hobson	12.41	33
1-D-8	J	Central	12.26	34

1-G-5	A	Central	12.21	35
G-5-15	B	Central	12.16	36
L-1-111	N	Central	12.05	37
2-F-1	C	Central	11.59	38
1-N-11	A	Central	11.41	39
1-E-38	I	Central	10.96	40
V-3-82	N	Central	10.75	41
L-1-000	N	Central	10.53	42
1-A-128	K	Central	10.31	43
1-G-14S	I	Central	10.14	44
W-2-42	M	Hobson	10.13	45
H-3-48	D	Hobson	10.08	46
H-1-22	F	Hobson	10.06	47
W-2-7	M	Hobson	10.02	48
1-G-46	A	Central	9.99	49
V-3-13	N	Central	9.96	50
2-F-2	C	Central	9.79	51
G-3-11	B	Central	9.67	52
1-B-2	J	Central	9.57	53
L-1-33	N	Central	9.45	54
1-J-16	A	Central	9.30	55
H-4-75	F	Hobson	9.22	56
W-1-2	M	Hobson	9.21	57
W-1-30	M	Hobson	9.19	58
L-1-17	N	Central	9.17	59
1-F-31	I	Central	9.03	60
L-1-13	N	Central	9.03	61
1-M-12A	H	Central	8.99	62
H-3-18	D	Hobson	8.98	63
2-A-8	L	Central	8.88	64
1-N-1A	A	Central	8.87	65
1-C-6	J	Central	8.55	66
1-C-50	K	Central	8.53	67
1-J-3-1	A	Central	8.25	68
W-2-15	M	Hobson	8.20	69
1-A-10	K	Central	8.07	70
2-C-1	C	Central	8.03	71
W-1-65	M	Hobson	7.89	72
2-E-5	C	Central	7.88	73
1-J-14	A	Central	7.75	74
1-L-12R	B	Central	7.69	75
G-4-4A	B	Central	7.61	76
1-D-4	J	Central	7.59	77
2-G-12	C	Central	7.58	78

1-K-2	A	Central	7.47	79
1-F-21S	I	Central	7.18	80
V-4-14	N	Central	7.17	81
1-E-7	I	Central	7.12	82
H-7-9-7	G	Hobson	7.01	83
1-C-6S	J	Central	7.01	84
2-B-7	L	Central	6.94	85
W-1-39	M	Hobson	6.91	86
H-3-15	D	Hobson	6.86	87
2-A-1	L	Central	6.80	88
C-1-5	L	Hobson	6.77	89
1-E-6S	I	Central	6.69	90
1-H-9	H	Central	6.64	91
2-A-10S	K	Central	6.61	92
1-B-18	J	Central	6.60	93
G-2-4	B	Central	6.48	94
3-B-1A	E	WWTC	6.36	95
G-3-3	B	Central	6.29	96
G-5-28	B	Central	6.26	97
2-C-54	C	Central	6.25	98
H-2-6	F	Hobson	6.25	99
N-1-76	E	Northwest	6.06	100
H-3-12	D	Hobson	5.96	101
1-G-22S	I	Central	5.95	102
H-5-21-1	G	Hobson	5.93	103
H-2-15	D	Hobson	5.89	104
V-1-9	O	Northwest	5.86	105
1-E-80	J	Central	5.80	106
2-A-10	K	Central	5.75	107
H-2-29	D	Hobson	5.73	108
H-7-26	G	Hobson	5.65	109
G-4-12	B	Central	5.63	110
1-E-4S	J	Central	5.58	111
V-3-8R	N	Central	5.41	112
H-1-3	F	Hobson	5.35	113
2-A-1S	L	Central	5.25	114
H-5-17	G	Hobson	5.21	115
V-4-34	N	Central	5.14	116
G-5-2	B	Central	5.13	117
1-C-2	K	Central	5.13	118
H-4-46	F	Hobson	5.09	119
B-1-17	E	Northwest	4.97	120
H-1-17	F	Hobson	4.89	121
C-1-11	L	Hobson	4.83	122

H-6-5	D	Hobson	4.80	123
V-1-000	O	Northwest	4.62	124
H-6-28C	D	Hobson	4.61	125
V-1-6	O	Northwest	4.51	126
V-2-7	O	Northwest	4.24	127
2-C-10	C	Central	4.19	128
V-3-000	I	Central	4.13	129
B-1-35	E	Northwest	3.97	130
H-3-2-2	D	Hobson	3.96	131
3-A-2	E	WWTC	3.79	132
3-A-8	E	Hobson	3.60	133
H-4-29	F	Hobson	3.56	134
H-7-17	G	Hobson	3.45	135
H-5-12	G	Hobson	3.45	136
H-7-6	G	Hobson	3.37	137
E-1-000	O	Central	3.25	138
V-1-17	O	Northwest	2.90	139
H-5-21-9	G	Hobson	2.78	140
1-G-28R	H	Central	2.73	141
H-7-30A	G	Hobson	2.57	142
H-2-99	F	Hobson	2.50	143
H-5-21-17	G	Hobson	2.43	144
H-7-9-47	G	Hobson	2.39	145
H-4-12	F	Hobson	2.38	146
2-A-49	L	Central	2.12	147
H-5-2	G	Hobson	2.03	148
V-3-21	N	Central	1.67	149
H-8-1	F	Hobson	1.31	150

DOWNERS GROVE SANITARY DISTRICT
M E M O

DATE: January 6, 2023

TO: Amy Underwood
General Manager

FROM: Robert Swirsky
Sewer System Maintenance Supervisor

RE: 2023 Collection System Work Plan

Proposed work on the collection system for 2023

1. Regular cleaning of 277,313 feet of sewers with diameter 21 inches or smaller (4 year cycle). Sewer areas 1F, 1G, 1H, 1J, 1K, E1, L1, V3, V4 and annual cleaning of all siphons. (Complete 55,745 feet of regular cleaning not able to be done in 2022)
2. Continue to heavy clean main sewers on the PM. List every 6 months (40,114 feet), and every 3 months (5,945 feet).
3. Continue annual monitoring and heavy cleaning if needed of 3,974' of 18" and 30" main sewer in the Denburn Woods and Gilbert Park area.
4. Televis 103,550 feet of main sewers (13 year cycle).
5. Continue the regular metering of the 50 basins for 9 weeks per basin (3 year cycle).
6. Continue the inspections of private property under the Private Property Infiltration and Inflow (I&I) Removal Program in the targeted basins.
7. Continue the Building Sanitary Service Repair Assistance Program including the removal of identified I/I sources within these buildings.
8. Televis and locate as needed the building services for the Private Property I/I Removal Program, Building Sanitary Service Repair Assistance Program and the Cost Reimbursement Program for the installation of Overhead Sewers or Backflow Prevention Devices.
9. Inspect buildings for I/I sources for the above programs.
10. Inspect 300 district manholes (20 year cycle)
11. Utilize flow meter data and other district records to prioritize main sewers for repair or rehabilitation in accordance with the I/I Removal and Sewer System Rehabilitation Policy.
12. Utilize the Lucity software and other district records to prioritize main sewers for repair or rehabilitation in accordance with the I/I removal and Sewer system Rehabilitation Policy.
13. Continue updating records and correcting errors in GIS and Lucity.

14. Continue to assist at the treatment plant and lift stations with maintenance and other tasks where the use of the Vac-Con is beneficial.

CC: WDVb, AES, JMW, RTJ, KJR, MS, CSS, MPG

This attachment has been removed for its contents are currently confidential.

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Carly Shaw
Administrative Supervisor

DATE: January 6, 2023

RE: Administrative Services Progress Report – December 2022

ADMINISTRATIVE

Reimbursement Program for Sanitary Sewer
Backups Caused by Public Sanitary Sewer Blockages

There have been no new backups resulting from a mainline blockage since the last update, and as a result, I have not included a new summary.

Technology Update

I continue to review the quotes and service options for Teams phones that were received. I would like to have something ready to implement in the new fiscal year. This would eliminate any risk of trouble related to the copper lines and could also provide a more efficient phone system for our employees.

The City Insight launch does continue to be on hold until we can further test file transfers with our system. We are also awaiting the Downers Grove Village's launch of their new billing and would like to be certain our system works with their files prior to launching a new online portal.

The following is a detailed summary of the Invoice Cloud portal's utilization in the last month and since the portal's launch in February 2015 through the end of last month.

# of Customers registered in the last month:	81
# of Customers paying their bills online in the last month:	2,068
Amount of Money processed through the Portal in the last month:	\$143,624.57
# of Customers signing up for Autopay through the Portal in the last month:	77
# of Customers enrolled in paperless billing in the last month:	452
# of customers registered for pay by text in the last month:	27
Cost to District for providing Invoice Cloud service in the last month:	\$616.20
Cost to District's customers (convenience fees) in the last month:	\$3,430.05
Estimated Monthly savings from customers enrolled in paperless billing:	\$137.85
# of Customers registered from launch through last month:	7,766
# of Customers signing up for Autopay through the Portal from launch through last month:	3,617
# of Customers enrolled in paperless billing from launch through last month:	4,595
# of customers registered for pay by text from launch through last month:	2,414

FINANCIAL

W-2s and 1099s

Michelle Jasso, Accounting Assistant for the District, and I completed the 2022 W-2 forms for employees the during the last week of December. These have been distributed during the first week of January. We will be preparing the 2022 1099 forms for vendors by the end of January to follow IRS regulations.

Treasurer's Report and Investment Activity

The monthly Treasurer's Report is included separately in the packet each month and detailed investment information (financial institution name, current rate and dollar amount) is provided on the District's Investment Schedule also provided separately in the packet each month.

Excess funds in the District's deposit account were transferred into the Illinois Funds account where it will earn interest at over 4%. Moving these funds into that account will leave them available to the District in the event we need them to cover any costs of upcoming construction contracts.

I will be looking into moving the funds we have in the Money Market accounts as interest rates are favorable for CD's at this time.

User Billing

Detailed billing information is attached to this report.

cc: WDVb, AES, JMW, KJR, RTJ, MJS, MGP

USER BILLING SUMMARY

User Charge System

Billings for December 2022 were as follows:

User	\$297,779.67
Surcharge	41,014.35
Monthly fees	394,751.49
Total	<u>\$733,545.51</u>
Summer Usage Adjustment	\$6.15
Billable Flow	145,255,393
Budgeted Billable Flow	148,163,119
% Actual/Budgeted Billable Flow	98.04%
YTD Billable Flow	1,399,336,321
YTD Budgeted Billable Flow	1,398,139,699
% Actual/Budgeted Billable Flow	100.09%

The user accounts receivable balance on 12/31/2022 is \$702,198.11 and consists of:

Current charges due 1/16/2023	\$587,119.36
Past due charges and penalty	115,078.75
Total	<u>\$702,198.11</u>

The past due charges represent:

<u>Age</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Totals</u>
30 days past due	\$39,106.41	\$4,472.28	\$43,578.69
60 days past due	22,456.62	3,169.03	25,625.65
90 days & greater past due	38,839.46	7,034.95	45,874.41
	<u></u>	<u></u>	<u></u>
Totals	\$100,402.49	\$14,676.26	\$115,078.75

Summary of
Past Due Charges
(90 Days and Over)

Five Year Comparison

December

<u>Year</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
2022	\$38,839.46	\$7,034.95	\$45,874.41
2021	75,563.02	14,423.46	89,986.48 ***
2020	104,927.73	15,924.29	120,852.02 ***
2019	42,249.41	5,454.98	47,704.39 **
2018	37,925.83	4,581.75	42,507.58 *

***Includes \$10,462.28 in sewer disconnection costs on 2 accounts plus late fees

**Includes \$13,020.74 in sewer disconnection costs on 4 accounts plus late fees

*Includes \$17,128.69 in sewer disconnection costs on 4 accounts plus late fees

Twelve Months Ending DECEMBER 2022

<u>Month</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
12/30/22	\$38,839.46	\$7,034.95	\$45,874.41
11/30/22	38,280.18	7,297.03	45,577.21
10/31/22	35,087.27	6,856.09	41,943.36
9/30/22	41,581.27	8,469.98	50,051.25
8/31/22	38,182.42	7,914.98	46,097.40
7/31/22	38,067.35	8,003.01	46,070.36
6/30/22	35,801.73	7,550.71	43,352.44
5/31/22	38,626.36	8,031.01	46,657.37
4/30/22	38,411.53	7,913.94	46,325.47
3/31/22	55,139.44	10,814.13	65,953.57
2/28/22	69,604.77	13,159.15	82,763.92
1/31/22	77,774.61	14,061.89	91,836.50

There were 42 accounts scheduled for Pre-Enforcement on December 15, 2022 of which 21 have paid in full. There are 26 accounts scheduled for Pre-Enforcement on January 16, 2023 of which 4 account have already paid in full.

To: Amy Underwood, General Manager
From: Marc Majewski, Operations Supervisor
Re: Month of December 2022, WWTC Operations Report.
Date: January 11, 2023

Attached please find detailed operating data and our monthly report to Illinois EPA for December. We had no excursions over our permit limits in the month of December.

Certain highlights of operational activities included:

- Monthly flow: Average daily flows to the plant were 8.72 MGD. Total precipitation at the WWTC was 2.45". There was 1 day of excess flow during the month of December. There were four days of discharge over 11 MGD.
- Activated sludge: Good operating performance was observed throughout the month of December. Floc formers are still predominating leading to good solids settling.
- Anaerobic Digesters: Pumped a total of 1,031,503 gallons of primary sludge, 264,854 gallons of TWAS, and 264,242 gallons of waste grease for a total of 1,560,599 gallons pumped to digesters. Total Volatile Solids destruction was calculated at 72.1 % for December.
- Digester gas: Total digester gas production was 5,345,365 cubic feet. 88,786 cubic feet of gas was used for anaerobic digestion heat, and 4,784,815 cubic feet was used in the CHP facilities. 37,714 cubic feet of flared gas was recorded during the month. The Munters dehumidifier used 434,050 cubic feet of gas.
- Biosolids: 180 Dry Tons of Class B was land applied in December, bringing the Class B yearly total to 542 Dry Tons. Class A distribution is 632 Dry tons for 2022. In total, 1,173 Dry Tons were distributed to the public and hauled offsite for land application in 2022.
- Electricity: Overall net energy from ComEd was: -21,081 KW-Hrs. Electricity Generated by the CHP system was 380,122 KW-Hrs. Monthly net energy (including natural gas usage) was 25 MW-Hrs for the month of December.

C: WDVb, AES, JMW, KJR, RTJ, MJS, CS, MGP

Monthly Operations Report Page 1

	WWTC Rainfall	B01 Parshall Flume Flow Max	B01 Parshall Flume Flow Min	B01 Parshall Flume Flow Avg (Daily Total)	A01 Parshall Flume Flow Max	A01 Parshall Flume Flow Avg (Daily Total)	C01 Int Clar #1 Flow Max	C01 Int Clar #1 Flow Avg (Daily Total)	Outfall 003 Flow Max	Outfall 003 Flow Avg (Daily Total)	Total Flow Leaving WWTC Avg (Daily Total)	Total Flow Leaving WWTC Max MGD	002 Outfall Flow Avg (Daily Total)
Date	inches	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD
12/1/2022	0.00	10.68	0.78	6.37	0.00	0.00	0.00	0.00	0.00	0.00	6.37	10.68	0.00
12/2/2022	0.00	12.03	3.13	6.39	0.00	0.00	0.00	0.00	0.00	0.00	6.39	12.03	0.00
12/3/2022	0.00	9.40	3.35	6.25	0.00	0.00	0.00	0.00	0.00	0.00	6.25	9.40	0.00
12/4/2022	0.00	9.62	3.48	6.41	0.00	0.00	0.00	0.00	0.00	0.00	6.41	9.62	0.00
12/5/2022	0.00	9.62	3.47	6.40	0.00	0.00	0.00	0.00	0.00	0.00	6.40	9.62	0.00
12/6/2022	0.00	8.88	3.40	6.10	0.00	0.00	0.00	0.00	0.00	0.00	6.10	8.88	0.00
12/7/2022	0.00	11.12	3.34	6.25	0.00	0.00	0.00	0.00	0.00	0.00	6.25	11.12	0.00
12/8/2022	0.00	8.67	3.13	6.04	0.00	0.00	0.00	0.00	0.00	0.00	6.04	8.67	0.00
12/9/2022	0.52	18.58	3.31	9.71	0.00	0.00	0.00	0.00	0.00	0.00	9.71	18.58	0.00
12/10/2022	0.02	11.74	5.69	8.30	0.00	0.00	0.00	0.00	0.00	0.00	8.30	11.74	0.00
12/11/2022	0.00	10.56	4.65	7.46	0.00	0.00	0.00	0.00	0.00	0.00	7.46	10.56	0.00
12/12/2022	0.00	10.49	4.16	7.15	0.00	0.00	0.00	0.00	0.00	0.00	7.15	10.49	0.00
12/13/2022	0.04	9.55	3.98	6.86	0.00	0.00	0.00	0.00	0.00	0.00	6.86	9.55	0.00
12/14/2022	1.67	26.93	5.26	14.39	0.00	0.17	0.00	0.00	0.00	0.00	14.56	26.93	0.09
12/15/2022	0.10	27.94	19.72	22.47	28.63	5.82	0.00	0.00	0.00	0.00	28.29	56.57	5.95
12/16/2022	0.00	20.07	13.66	15.66	0.00	0.00	0.00	0.00	0.00	0.00	15.66	20.07	0.00
12/17/2022	0.00	16.43	9.40	12.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	16.43	0.00
12/18/2022	0.00	15.69	7.30	10.15	0.00	0.00	0.00	0.00	0.00	0.00	10.15	15.69	0.00
12/19/2022	0.00	15.65	6.41	9.21	0.00	0.00	0.00	0.00	0.00	0.00	9.21	15.65	0.00
12/20/2022	0.03	11.52	5.90	8.65	0.00	0.00	0.00	0.00	0.00	0.00	8.65	11.52	0.00
12/21/2022	0.00	11.60	5.46	8.26	0.00	0.00	0.00	0.00	0.00	0.00	8.26	11.60	0.00
12/22/2022	0.00	11.27	5.42	8.03	0.00	0.00	0.00	0.00	0.00	0.00	8.03	11.27	0.00
12/23/2022	0.00	12.14	5.20	8.21	12.16	3.85	0.00	0.00	0.00	0.00	12.06	24.29	0.00
12/24/2022	0.00	15.01	4.85	8.17	7.34	1.58	0.00	0.00	0.00	0.00	9.75	22.35	0.00
12/25/2022	0.00	10.70	4.57	7.30	0.00	0.00	0.00	0.00	0.00	0.00	7.30	10.70	0.00
12/26/2022	0.00	11.30	4.67	7.42	0.00	0.00	0.00	0.00	0.00	0.00	7.42	11.30	0.00
12/27/2022	0.00	11.77	4.16	7.43	0.00	0.00	0.00	0.00	0.00	0.00	7.43	11.77	0.00
12/28/2022	0.07	11.18	4.57	7.87	0.00	0.00	0.00	0.00	0.00	0.00	7.87	11.18	0.00
12/29/2022	0.00	15.14	5.30	8.69	0.00	0.00	0.00	0.00	0.00	0.00	8.69	15.14	0.00
12/30/2022	0.00	11.86	5.75	8.50	0.00	0.00	0.00	0.00	0.00	0.00	8.50	11.86	0.00
12/31/2022	0.00	11.87	5.24	8.21	0.00	0.00	0.00	0.00	0.00	0.00	8.21	11.87	0.00
Minimum	0.00	8.67	0.78	6.04	0.00	0.00	0.00	0.00	0.00	0.00	6.04	8.67	0.00
Maximum	1.67	27.94	19.72	22.47	28.63	5.82	0.00	0.00	0.00	0.00	28.29	56.57	5.95
Total	2.45	409.01	168.70	270.33	48.12	11.42	0.00	0.00	0.00	0.00	281.75	457.13	6.04
Average	0.08	13.19	5.44	8.72	1.55	0.37	0.00	0.00	0.00	0.00	9.09	14.75	0.19

Monthly Operations Report Page 2

	Tertiary Flow	MLSS Avg	Activated Sludge Inventory Lbs MLSS	Activated Sludge SRT Days	15 Minutes Aeration Settling %	30 Minutes Aeration Settling %	60 Minutes Aeration Settling %	Sludge Volume Index	System 1 RAS TSS	System 2 RAS TSS	Dupage River Outfall DO
Date	MGD		LBS	DAYS	mL/L	mL/L	mL/L	mL/g	mg/l	mg/l	mg/l
12/1/2022	6.37		86,560	21.90							
12/2/2022	6.39	2,753	85,410	19.55	23	18	17	67	4,912		
12/3/2022	6.25		85,410	19.57							
12/4/2022	6.41		85,410	19.74							
12/5/2022	6.40	2,855	88,581	21.32	25	19	17	66		4,976	8.7
12/6/2022	6.10	2,650	82,205	18.12	24	19	17	71	4,109		8.5
12/7/2022	6.25	2,798	86,791	21.62	25	20	18	71		4,367	8.6
12/8/2022	6.04	2,704	83,900	19.18	24	19	17	70	4,977		
12/9/2022	9.71	2,688	83,392	17.41	24	19	17	71		4,709	
12/10/2022	8.30		83,392	17.21							
12/11/2022	7.46		83,392	17.12							
12/12/2022	7.15	2,618	81,221	20.65	24	19	17	73		3,842	8.8
12/13/2022	6.86	2,495	77,417	19.53	24	18	16	73	4,486		8.9
12/14/2022	14.39	2,257	70,006	10.96	20	17	15	74		6,258	8.8
12/15/2022	22.47	1,649	51,157	8.28	15	14	12	84	3,452		
12/16/2022	15.66	1,975	61,278	8.46	19	15	14	76		7,408	
12/17/2022	12.00		61,278	8.64							
12/18/2022	10.15		73,117	8.50							
12/19/2022	9.21	2,478	76,891	16.03	23	18	16	73		4,951	9.4
12/20/2022	8.65	2,683	83,239	17.32	23	18	17	70	3,674		9.6
12/21/2022	8.26	2,396	74,330	15.37	23	18	17	76		4,904	9.7
12/22/2022	8.03	2,397	74,367	16.28	25	20	18	85		4,741	
12/23/2022	8.21	2,454	76,120	16.68	25	20	18	81		4,962	
12/24/2022	8.17		76,120	16.81							
12/25/2022	7.30		76,120	16.65							
12/26/2022	7.42		76,120	16.88							
12/27/2022	7.43	2,505	77,714	20.36	29	21	19	83		4,150	9.6
12/28/2022	7.87	2,718	84,320	19.24	25	20	18	75		4,831	9.1
12/29/2022	8.69	2,656	82,405	18.65	28	22	19	82	4,165		8.6
12/30/2022	8.50	2,714	84,205	18.59	28	67	19	246		5,009	
12/31/2022	8.21		84,205	18.88							
Minimum	6.04	1,649	51,157.34	8.28	15.25	13.75	11.76	65.63	3,452	3,842	8.5
Maximum	22.47	2,855	88,581.00	21.90	29.50	67.42	19.01	246.36	4,977	7,408	9.7
Total	270.33	50,444	2,436,071.52	525.49	477.18	421.64	335.60	1,666.95	29,775	65,108	108.3
Average	8.72	2,522	78,583.00	16.95	23.80	21.05	16.90	83.35	4,254	5,008	9.0

Monthly Operations Report Page 3

	Tertiary Flow	Influent BOD 5	Primary Clarifier BOD 5	Intermediate Clarifier CBOD 5	Tertiary Effluent CBOD 5	Tertiary Effluent CBOD 5 Load	BOD 5 Removal %	Ambient Air Temp Min	Ambient Air Temp Max	Influent Flow Temp
Date	MGD	mg/l	mg/l	mg/l	mg/l		%	Deg F	Deg F	Deg F
12/1/2022	6.37	180	119	2.8	1.1	58	98.7	17	37	61.5
12/2/2022	6.39							37	53	
12/3/2022	6.25							21	53	
12/4/2022	6.41							18	42	
12/5/2022	6.40	200			0.6	32	99.3	29	45	61.3
12/6/2022	6.10	192	149	2.0	0.4	20	99.4	33	44	61.5
12/7/2022	6.25	222			0.6	31	99.4	34	45	61.5
12/8/2022	6.04	230	139	1.1	0.8	40	99.4	32	46	61.2
12/9/2022	9.71							35	38	
12/10/2022	8.30							37	41	
12/11/2022	7.46							37	40	
12/12/2022	7.15	186			0.4	24	99.4	37	43	60.6
12/13/2022	6.86	186	137	1.6	0.6	34	99.4	35	39	60.1
12/14/2022	14.39	180			1.5	180	98.6	37	45	57.9
12/15/2022	22.47	76	64	3.6	2.0	375	95.8	31	38	58.1
12/16/2022	15.66							27	32	
12/17/2022	12.00							20	27	
12/18/2022	10.15							13	22	
12/19/2022	9.21							10	29	56.5
12/20/2022	8.65							19	36	56.3
12/21/2022	8.26	180			1.0	69	99.0	14	33	57.0
12/22/2022	8.03	177	88	2.5	1.4	94	98.9	-4	34	57.6
12/23/2022	8.21	159			2.8	192	97.9	-4	0	
12/24/2022	8.17							-1	16	
12/25/2022	7.30							2	16	
12/26/2022	7.42	240			1.5	93	98.9	9	24	
12/27/2022	7.43	413	152	2.8	1.6	99	99.4	7	27	56.8
12/28/2022	7.87	347			1.8	118	99.2	26	27	56.8
12/29/2022	8.69	255	105	2.9	1.4	102	98.9	43	60	56.9
12/30/2022	8.50							30	58	
12/31/2022	8.21							26	41	
Minimum	6.04	76	64	1.1	0.40	20	95.8	-4	0	56.3
Maximum	22.47	413	152	3.6	2.80	375	99.4	43	60	61.5
Total	270.33	3,423	953	19.3	19.50	1,561	1,581.3	942	1,131	941.6
Average	8.72	214	119	2.4	1.22	98	98.9	23	36	58.9

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	Tertiary Flow	Influent TSS	Primary Clarifier TSS	Intermediate Clarifier TSS	Tertiary Effluent TSS	Tertiary Effluent TSS Load	TSS Removal %	Influent pH	Primary Clarifier pH	Tertiary Effluent pH	Intermediate pH
Date	MGD	mg/l	mg/l	mg/l	mg/l	lbs/day	%	SU	SU	SU	SU
12/1/2022	6.37	156	84	5.2	0.8	43	99.5	7.6	7.5	6.9	7.0
12/2/2022	6.39	176			0.5	27	99.7	7.6	7.4	6.9	7.0
12/3/2022	6.25	200			0.1	5	100.0				
12/4/2022	6.41	152			0.6	32	99.6				
12/5/2022	6.40	228			0.1	5	100.0	7.7	7.2	6.8	6.9
12/6/2022	6.10	196	114	4.0	0.2	10	99.9	7.6	7.5	6.9	6.9
12/7/2022	6.25	260			0.2	10	99.9	7.6	7.3	6.8	6.9
12/8/2022	6.04	192	72		0.1	5	99.9	7.6	7.4	6.7	6.7
12/9/2022	9.71	116			0.6	49	99.5	7.6	7.4	6.7	6.9
12/10/2022	8.30	120			0.3	21	99.8				
12/11/2022	7.46	132			0.3	19	99.8				
12/12/2022	7.15	196			0.4	24	99.8	7.6	7.4	6.7	7.0
12/13/2022	6.86	248	114	4.0	0.3	17	99.9	7.7	7.6	7.0	7.0
12/14/2022	14.39	200			0.6	72	99.7	7.5	7.5	6.8	7.0
12/15/2022	22.47	88	82	10.6	1.4	262	98.4	7.8	7.8	7.0	7.2
12/16/2022	15.66	84			0.6	78	99.3	7.8	7.9	7.2	7.4
12/17/2022	12.00	188			0.4	40	99.8				
12/18/2022	10.15	225			0.2	17	99.9				
12/19/2022	9.21	144			0.4	31	99.7	7.7	7.7	7.2	7.3
12/20/2022	8.65	132	34	3.8	0.4	29	99.7	7.6	7.7	7.1	7.1
12/21/2022	8.26	160			0.6	41	99.6	7.7	7.7	7.1	7.2
12/22/2022	8.03	128	26	5.0	0.5	33	99.6	7.6	7.7	7.1	7.2
12/23/2022	8.21	112			0.5	34	99.6	7.7	7.8	7.2	7.4
12/24/2022	8.17	124			0.3	20	99.8				
12/25/2022	7.30	118			0.8	49	99.3				
12/26/2022	7.42	196			0.7	43	99.6	7.7		7.0	
12/27/2022	7.43	356	89	5.8	0.6	37	99.8	7.7	7.6	7.0	7.1
12/28/2022	7.87	240			0.9	59	99.6	7.6	7.6	6.9	7.0
12/29/2022	8.69	188	50	4.6	0.6	44	99.7	7.6	7.6	6.8	6.9
12/30/2022	8.50	152			0.5	35	99.7	7.6	7.4	6.9	7.0
12/31/2022	8.21	80			0.6	41	99.3				
Minimum	6.04	80	26	3.8	0.1	5	98.4	7.5	7.2	6.7	6.7
Maximum	22.47	356	114	10.6	1.4	262	100.0	7.8	7.9	7.2	7.4
Total	270.33	5,287	665	43.0	15.1	1,234	3,089.2	168.2	158.7	152.7	148.1
Average	8.72	171	74	5.4	0.5	40	99.7	7.6	7.6	6.9	7.1

MONTHLY OPERATIONS REPORT PAGE

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	Tertiary Flow	Influent Ammonia-N	Tertiary Ammonia-N	Tertiary Effluent Ammonia-N Load	Chlorine Residual	Fecal Coliform
Date	MGD	mg/l	mg/l	lbs/day	mg/l	col/100ml
12/1/2022	6.37	25.75	0.10	5.3		
12/2/2022	6.39					
12/3/2022	6.25					
12/4/2022	6.41	22.81	0.15	8.0		
12/5/2022	6.40	26.45	0.10	5.3		
12/6/2022	6.10	26.72	0.10	5.1		
12/7/2022	6.25	33.42	0.10	5.2		
12/8/2022	6.04					
12/9/2022	9.71	25.11	0.10	8.1		
12/10/2022	8.30					
12/11/2022	7.46	18.37	0.10	6.2		
12/12/2022	7.15	26.33	0.10	6.0		
12/13/2022	6.86	22.36	0.10	5.7		
12/14/2022	14.39	14.36	0.14	16.8	0.02	
12/15/2022	22.47	5.81	0.10	18.7	0.02	
12/16/2022	15.66				0.02	
12/17/2022	12.00					
12/18/2022	10.15	11.32	0.38	32.2		
12/19/2022	9.21	14.86	0.12	9.2		
12/20/2022	8.65	14.44	0.10	7.2		
12/21/2022	8.26	15.25	0.10	6.9		
12/22/2022	8.03	16.08	0.10	6.7		
12/23/2022	8.21					
12/24/2022	8.17					
12/25/2022	7.30	15.64	0.28	17.1		
12/26/2022	7.42	19.60	0.10	6.2		
12/27/2022	7.43	26.25	0.06	3.7		
12/28/2022	7.87	24.56	0.20	13.1		
12/29/2022	8.69	21.38	0.19	13.8	0.02	
12/30/2022	8.50					
12/31/2022	8.21					
Minimum	6.04	5.81	0.06	3.7	0.02	
Maximum	22.47	33.42	0.38	32.2	0.02	
Total	270.33	426.87	2.82	206.6	0.06	
Average	8.72	20.33	0.13	9.8	0.02	

SLUDGE DATA

Primary Sludge	TS	4.48 %	1,031,503 Gallons
WAS to Thickener	TS	2.70 %	623,950 Gallons
TWAS to Digester 4	TS	5.68 %	264,854 Gallons
Hauled Grease to Digs	TS	3.20 %	264,242 Gallons
<u>Anaerobically Digested Sludge Pumping</u>			
Drying Beds	TS	3.00 %	128,940 Gallons
BFP	TS	2.61 %	636,114 Gallons
Lagoons	TS	%	Gallons
Total			765,054 Gallons
VS Destruction			72.1 %

Biosolids Disposal

Class A Distribution	Dec	Dry Tons
Class B Hauling	Dec	180 Dry Tons
Total	Dec	180 Dry Tons
Class A Distribution	YTD	632 Dry Tons
Class B Hauling	YTD	542 Dry Tons
Total	YTD	1,173 Dry Tons

ENERGY DATA

Total Digester Gas Production	5,345,365 SCF
Gas Volume per Volatile Solids Load	10.9 Cu.Ft./Lb.

Digester Gas Utilization

Heat Exchangers	88,786 SCF
Dehumidification	434,050 SCF
CHP	4,784,815 SCF
Total	5,307,651 SCF

Digester Gas Flared

Natural Gas Consumed

WWTC	39,300 SCF
MSB	56,667 SCF
Chemical Feed	51,133 SCF
5006 Walnut	21,425 SCF

Kilowatt-hours Generated CHP	380,122 KWH
Net energy from Comed	-21,081 KWH
Monthly net energy	25 MWH

MISCELLANEOUS

Grit Removal	Dec	40 Cu. Yds
Grit Removal	YTD	300 Cu. Yds
Anaerobic Supernate		640,400 Gallons
Waste Activated Sludge		111,781 Gals/Day
City Water Consumed		44,406 Gallons

Monthly Operations Report Page 6

	Tertiary Flow	Influent Phosphorus	Tertiary Effluent Phosphorus	Influent Phosphorus Load	Tertiary Effluent Phosphorus Load	Phosphorus Removal %	Influent Nitrogen	Tertiary Effluent Nitrogen	Influent Nitrogen Load	Tertiary Effluent Nitrogen Load	Nitrogen Removal %	Tertiary Effluent Nitrate Grab
Date	MGD	mg/l	mg/l	lbs/day	lbs/day	%	mg/l	mg/l	lbs/day	lbs/day	%	mg/l
12/1/2022	6.37											32.14
12/2/2022	6.39											
12/3/2022	6.25											
12/4/2022	6.41											
12/5/2022	6.40	5.44	4.01	274.8	214.2	26.3						
12/6/2022	6.10											
12/7/2022	6.25											
12/8/2022	6.04											35.57
12/9/2022	9.71											
12/10/2022	8.30											
12/11/2022	7.46											
12/12/2022	7.15	4.81	2.84	273.6	169.3	41.0	37.1	22.1	2,110.0	1,317.6	37.6	
12/13/2022	6.86											
12/14/2022	14.39											
12/15/2022	22.47											9.70
12/16/2022	15.66											
12/17/2022	12.00											
12/18/2022	10.15											
12/19/2022	9.21	3.55	1.70	276.7	130.6	52.1						
12/20/2022	8.65											
12/21/2022	8.26											
12/22/2022	8.03											21.42
12/23/2022	8.21											
12/24/2022	8.17											
12/25/2022	7.30											
12/26/2022	7.42	6.07	2.54	388.0	157.2	58.2						
12/27/2022	7.43											
12/28/2022	7.87											
12/29/2022	8.69											30.42
12/30/2022	8.50											
12/31/2022	8.21											
Minimum	6.04	3.55	1.70	273.6	130.6	26.3	37.1	22.1	2,110.0	1,317.6	37.6	9.70
Maximum	22.47	6.07	4.01	388.0	214.2	58.2	37.1	22.1	2,110.0	1,317.6	37.6	35.57
Total	270.33	19.87	11.09	1,213.0	671.3	177.5	37.1	22.1	2,110.0	1,317.6	37.6	129.25
Average	8.72	4.97	2.77	303.3	167.8	44.4	37.1	22.1	2,110.0	1,317.6	37.6	25.85

DMR Copy of Record

Permit

Permit #:
Major:

IL0028380
Yes

Permittee:
Permittee Address:

DOWNERS GROVE SANITARY DISTRICT
2710 CURTISS STREET PO BOX 1412
DOWNERS GROVE, IL 60515

Facility:
Facility Location:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER
5003 WALNUT AVENUE
DOWNERS GROVE, IL 60515

Permitted Feature:

001
External Outfall

Discharge:

001-0
COMBINED DISCHARGE FROM A01, B01, & C01

Report Dates & Status

Monitoring Period:

From 12/01/22 to 12/31/22

DMR Due Date:

01/25/23

Status:

NetDMR Validated

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE.COMBINED OUTFALLS: A01-MIXING CHAMBER DISCHARGE TO E BR OF DUPAGE RIVER-EFFECTIVE WHEN FLOWS TO TRT PLT ARE GREATER THAN 22 MGD & EXCESS FLOW FAC IS IN OPERATION. 002 BECOMES OPERATIONAL WHEN 001, A01,& B01 EXCEED 30 MGD.

Principal Executive Officer

First Name:

Amy

Last Name:

Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type			
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units				
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	9.0		=	8.6	=	8.2	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.							Req Mon MO AV MN			Req Mon MN WK AV		Req Mon DAILY MN	19 - mg/L			
					Value NODI																
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample								=	2.2		=	2.8	19 - mg/L	0	04/07 - Four Per Week	CP - COMPOS
					Permit Req.								<=	30.0 MO AVG		<=	45.0 WKLY AVG	19 - mg/L			
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.7			=	7.2	12 - SU	0	05/DW - 5 Days Every Week	GR - GRAB	
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU				
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	0.6		=	1.0	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS
					Permit Req.								<=	30.0 MO AVG		<=	45.0 WKLY AVG	19 - mg/L			
					Value NODI																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample								=	0.17		=	0.66	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS
					Permit Req.											Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L			
					Value NODI																
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	2.45		=	4.01	19 - mg/L	0	05/30 - 5 Times Every Month	CP - COMPOS
					Permit Req.											Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L			
					Value NODI																
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								=	0.05				19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	0.75 MO AVG				19 - mg/L			
					Value NODI																
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample										=	7.0	13 - #/100mL	0	DL/DS - Daily When Discharging	GR - GRAB	
					Permit Req.										<=	400.0 DAILY MX	13 - #/100mL				
					Value NODI																
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	275.71	80 - Mgal/mo									0	99/99 - Continuous	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo											
					Value NODI																

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

31 days of discharge, including 1 day of discharge with A01 and zero days of discharge with C01.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-01-10 16:14 (Time Zone: -06:00)
<i>Report Last Signed By</i>	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-01-10 16:17 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:002
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

Permittee Address:2710 CURTISS STREET PO BOX 1412
DOWNERS GROVE, IL 60515

Discharge:002-0
MIXING CHAMBER OVERFLOW TO ST JOSEPH CRK

Facility:DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:5003 WALNUT AVENUE
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 12/01/22 to 12/31/22

DMR Due Date:01/25/23

Status:NetDMR Validated

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:Amy

Last Name:Underwood

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample										=	8.2	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MN	19 - mg/L			
					Value NODI															
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample								=	5.1		5.1	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30.0 MO AVG		45.0 WKLY AVG	19 - mg/L			
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.2			=	7.2	12 - SU	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM				9.0 MAXIMUM	12 - SU			
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	4.4		4.4	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30.0 MO AVG		45.0 WKLY AVG	19 - mg/L			
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample										=	0.66	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	1.14		1.14	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								=	0.14			19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	0.75 MO AVG			19 - mg/L			
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample										=	7.0	13 - #/100mL	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.										<=	400.0 DAILY MX	13 - #/100mL			
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	6.04	80 - Mgal/mo								0	DL/DS - Daily When Discharging	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo										
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

1 day of discharge.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

reeseberry

Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-01-10 16:14 (Time Zone: -06:00)
<i>Report Last Signed By</i>	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-01-10 16:17 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:
Major:

IL0028380
Yes

Permittee:
Permittee Address:

DOWNERS GROVE SANITARY DISTRICT
2710 CURTISS STREET PO BOX 1412
DOWNERS GROVE, IL 60515

Facility:
Facility Location:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER
5003 WALNUT AVENUE
DOWNERS GROVE, IL 60515

Permitted Feature:

003
External Outfall

Discharge:

003-0
EXCESS FLOW TO ST JOSEPH CREEK

Report Dates & Status

Monitoring Period:

From 12/01/22 to 12/31/22

DMR Due Date:

01/25/23

Status:

NetDMR Validated

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:
Last Name:

Amy
Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MN	19 - mg/L			
					Value NODI											C - No Discharge				
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00400	pH	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU			
					Value NODI							C - No Discharge				C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI											C - No Discharge				
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	0.75 MO AVG			19 - mg/L			
					Value NODI									C - No Discharge						
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.										<=	400.0 DAILY MX	13 - #/100mL			
					Value NODI											C - No Discharge				
82220	Flow, total	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo										
					Value NODI				C - No Discharge											

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

reeseberry

Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-01-10 15:41 (Time Zone: -06:00)
<i>Report Last Signed By</i>	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-01-10 16:17 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

IL0028380

Major:

Yes

Permitted Feature:

A01
External Outfall

Permittee:

DOWNERS GROVE SANITARY DISTRICT

Permittee Address:

2710 CURTISS STREET PO BOX 1412
DOWNERS GROVE, IL 60515

Discharge:

A01-0
EXCESS FLOW FROM EXCESS FLOW CLARIFIERS

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:

5003 WALNUT AVENUE
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:

From 12/01/22 to 12/31/22

DMR Due Date:

01/25/23

Status:

NetDMR Validated

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:

Amy

Last Name:

Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample										=	12.0	19 - mg/L	0
					Permit Req.											Req Mon DAILY MX	19 - mg/L	
					Value NODI													
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample										=	15.0	19 - mg/L	0
					Permit Req.											Req Mon DAILY MX	19 - mg/L	
					Value NODI													
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample										=	1.93	19 - mg/L	0
					Permit Req.											Req Mon DAILY MX	19 - mg/L	
					Value NODI													
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	0.92	=	0.92	19 - mg/L	0
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	
					Value NODI													
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	11.42	80 - Mgal/mo								0
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo								
					Value NODI													

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

1 day of discharge. Event 1: 12/14/22 to 12/15/22, discharging for 12.4 hours. 1.77 inches of rain over 20 hours. B01 flow rate at A01 start time: 17,717 gpm.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2023-01-10 16:14 (Time Zone: -06:00)

Report Last Signed By

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2023-01-10 16:17 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:
Major:

IL0028380
Yes

Permittee:
Permittee Address:

DOWNERS GROVE SANITARY DISTRICT
2710 CURTISS STREET PO BOX 1412
DOWNERS GROVE, IL 60515

Facility:
Facility Location:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER
5003 WALNUT AVENUE
DOWNERS GROVE, IL 60515

Permitted Feature:

B01
External Outfall

Discharge:

B01-0
MIXING CHAMBER DISCHARGE TO THE E BRANCH DUPAGE RVR

Report Dates & Status

Monitoring Period:
From 12/01/22 to 12/31/22

DMR Due Date:
01/25/23

Status:
NetDMR Validated

Considerations for Form Completion

W0430300002 ; DMF LOAD LIMITS DISPLAYED.

Principal Executive Officer

First Name:
Last Name:

Amy
Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Sample										=	58.5	15 - deg F	0	01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon MO MAX	15 - deg F		01/30 - Monthly	GR - GRAB
					Value NODI															
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	1	--	Sample					=	9.0	=	8.6	=	8.5	19 - mg/L	0	03/DW - 3 Days Every Week	GR - GRAB	
					Permit Req.					>=	5.5 MO AV MN	>=	4.0 MN WK AV	>=	3.5 DAILY MN	19 - mg/L		02/DA - 2 Days Every Week	GR - GRAB	
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample					=	6.7			=	7.2	12 - SU	0	05/DW - 5 Days Every Week	GR - GRAB	
					Permit Req.					>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		02/DA - 2 Days Every Week	GR - GRAB	
					Value NODI															
00410	Alkalinity, total [as CaCO3]	1 - Effluent Gross	0	--	Sample										=	116.0	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	39.79	=	262.3	26 - lb/d		=	0.5	=	1.4	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS	
					Permit Req.	<=	2202.0 MO AVG	<=	4404.0 DAILY MX	26 - lb/d		<=	12.0 MO AVG	<=	24.0 DAILY MX	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample										=	22.1	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	11	--	Sample	=	9.84	=	32.16	26 - lb/d		=	0.14	=	0.38	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS	
					Permit Req.	<=	734.0 MO AVG	<=	1376.0 DAILY MX	26 - lb/d		<=	4.0 MO AVG	<=	7.5 DAILY MX	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS	
					Value NODI															
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample										=	1.1	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample										=	21.0	19 - mg/L	0	01/30 - Monthly	CA - CALCTD
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample							=	2.77	=	4.01	19 - mg/L	0	04/30 - Four Per Month	CP - COMPOS	
					Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Value NODI															
00666	Phosphorus, dissolved	1 - Effluent Gross	0	--	Sample							=	3.92	=	3.92	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
					Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Value NODI															
00940	Chloride [as Cl]	1 - Effluent Gross	0	--	Sample										=	153.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															
30500	Coliform, fecal - % samples exceeding limit	1 - Effluent Gross	0	--	Sample										=	0.0	23 - %	0		
					Permit Req.										<=	10.0 MAXIMUM	23 - %			
					Value NODI															

50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	8.72	=	22.47	03 - MGD							0	99/99 - Continuous			
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								99/99 - Continuous			
					Value NODI																
50060	Chlorine, total residual	1 - Effluent Gross	1	--	Sample									=	0.015	19 - mg/L	0	CL/OC - Chlorination/Occurances	GR - GRAB		
					Permit Req.										<=	0.05 DAILY MX		19 - mg/L	CL/OC - Chlorination/Occurances	GR - GRAB	
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	97.59	=	374.72	26 - lb/d				=	1.2	=	2.8	19 - mg/L	0	04/07 - Four Per Week	CP - COMPOS
					Permit Req.	<=	1835.0 MO AVG	<=	3670.0 DAILY MX	26 - lb/d				<=	10.0 MO AVG	<=	20.0 DAILY MX	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS
					Value NODI																

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry
Name: Dorrance Berry
E-Mail: rberry@dgsd.org
Date/Time: 2023-01-10 16:14 (Time Zone: -06:00)

Report Last Signed By

User: reeseberry
Name: Dorrance Berry
E-Mail: rberry@dgsd.org
Date/Time: 2023-01-10 16:17 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:
Major:

IL0028380
Yes

Permittee:
Permittee Address:

DOWNERS GROVE SANITARY DISTRICT
2710 CURTISS STREET PO BOX 1412
DOWNERS GROVE, IL 60515

Facility:
Facility Location:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER
5003 WALNUT AVENUE
DOWNERS GROVE, IL 60515

Permitted Feature:

B01
External Outfall

Discharge:

B01-S
SEMI ANNUAL SAMPLING AT B01

Report Dates & Status

Monitoring Period:
From 09/01/22 to 12/31/22

DMR Due Date:
01/25/23

Status:
NetDMR Validated

Considerations for Form Completion

W0430300002

Principal Executive Officer

First Name:
Last Name:

Amy
Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample										<	5.0	19 - mg/L	0	09/99 - See Permit	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
00720	Cyanide, total [as CN]	1 - Effluent Gross	0	--	Sample										<	5.0	28 - ug/L	0	09/99 - See Permit	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L			
					Value NODI															
00722	Cyanide, free [amenable to chlorination]	1 - Effluent Gross	0	--	Sample										<	5.0	28 - ug/L	0	09/99 - See Permit	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L			
					Value NODI															
00951	Fluoride, total [as F]	1 - Effluent Gross	0	--	Sample										=	0.66	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01002	Arsenic, total [as As]	1 - Effluent Gross	0	--	Sample										<	0.01	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01007	Barium, total [as Ba]	1 - Effluent Gross	0	--	Sample										=	0.016	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01012	Beryllium, total [as Be]	1 - Effluent Gross	0	--	Sample										<	0.004	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01027	Cadmium, total [as Cd]	1 - Effluent Gross	0	--	Sample										<	0.001	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--	Sample										<	0.005	19 - mg/L	0	09/99 - See Permit	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01034	Chromium, total [as Cr]	1 - Effluent Gross	0	--	Sample										<	0.005	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01042	Copper, total [as Cu]	1 - Effluent Gross	0	--	Sample										=	0.008	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample										=	0.06	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	--	Sample										=	0.05	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															

DMR Copy of Record

Permit

Permit #:
Major:

IL0028380
Yes

Permittee:
Permittee Address:

DOWNERS GROVE SANITARY DISTRICT
2710 CURTISS STREET PO BOX 1412
DOWNERS GROVE, IL 60515

Facility:
Facility Location:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER
5003 WALNUT AVENUE
DOWNERS GROVE, IL 60515

Permitted Feature:

C01
External Outfall

Discharge:

C01-0
EXCESS FLOW FROM INTERMEDIATE CLARIFIER #1

Report Dates & Status

Monitoring Period:

From 12/01/22 to 12/31/22

DMR Due Date:

01/25/23

Status:

NetDMR Validated

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:
Last Name:

Amy
Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI											C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI											C - No Discharge				
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI											C - No Discharge				
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
82220	Flow, total	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	CN - CONTIN
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo										
					Value NODI				C - No Discharge											

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2023-01-10 15:50 (Time Zone: -06:00)

Report Last Signed By

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2023-01-10 16:17 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

IL0028380

Major:

Yes

Permitted Feature:

INF
Influent Structure

Discharge:

INF-L
INFLUENT MONITORING

Report Dates & Status

Monitoring Period:

From 12/01/22 to 12/31/22

DMR Due Date:

01/25/23

Status:

NetDMR Validated

Considerations for Form Completion

W0430300002

Principal Executive Officer

First Name:

Amy

Last Name:

Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type		
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3				Units	
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample									=	214.0			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
					Permit Req.												19 - mg/L	09/99 - See Permit		CP - COMPOS	
					Value NODI																
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample									=	171.0			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
					Permit Req.												19 - mg/L	09/99 - See Permit		CP - COMPOS	
					Value NODI																
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample										=	37.1		19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.												Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI																
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample										=	6.07		19 - mg/L	0	04/30 - Four Per Month	CP - COMPOS
					Permit Req.												Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI																
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	8.62	=	22.69	03 - MGD									0	99/99 - Continuous	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD										99/99 - Continuous	
					Value NODI																

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2023-01-10 16:15 (Time Zone: -06:00)

Report Last Signed By

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2023-01-10 16:17 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:
Major:

IL0028380
Yes

Permittee:
Permittee Address:

DOWNERS GROVE SANITARY DISTRICT
2710 CURTISS STREET PO BOX 1412
DOWNERS GROVE, IL 60515

Facility:
Facility Location:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER
5003 WALNUT AVENUE
DOWNERS GROVE, IL 60515

Permitted Feature:
Influent Structure

Discharge:
INFL-S
SEMI ANNUAL SAMPLING AT INFL

Report Dates & Status

Monitoring Period:
From 09/01/22 to 12/31/22

DMR Due Date:
01/25/23

Status:
NetDMR Validated

Considerations for Form Completion

W0430300002

Principal Executive Officer

First Name:
Last Name:

Amy
Underwood

Title:
General Manager

Telephone:
630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample										=	54.0	19 - mg/L	0	09/99 - See Permit	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
00718	Cyanide, weak acid, dissociable	1 - Effluent Gross	0	--	Sample										<	5.0	28 - ug/L	0	09/99 - See Permit	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L			
					Value NODI															
00720	Cyanide, total [as CN]	1 - Effluent Gross	0	--	Sample										<	5.0	28 - ug/L	0	09/99 - See Permit	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L			
					Value NODI															
00951	Fluoride, total [as F]	1 - Effluent Gross	0	--	Sample										=	0.68	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01002	Arsenic, total [as As]	1 - Effluent Gross	0	--	Sample										<	0.01	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01007	Barium, total [as Ba]	1 - Effluent Gross	0	--	Sample										=	0.046	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01012	Beryllium, total [as Be]	1 - Effluent Gross	0	--	Sample										<	0.004	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01027	Cadmium, total [as Cd]	1 - Effluent Gross	0	--	Sample										<	0.001	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--	Sample										<	0.005	19 - mg/L	0	09/99 - See Permit	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01034	Chromium, total [as Cr]	1 - Effluent Gross	0	--	Sample										<	0.005	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01042	Copper, total [as Cu]	1 - Effluent Gross	0	--	Sample										=	0.065	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample										=	1.08	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	--	Sample										=	0.32	19 - mg/L	0	09/99 - See Permit	24 - COMP24
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															

01051	Lead, total [as Pb]	1 - Effluent Gross	0	--	Sample													<	0.005	19 - mg/L			09/99 - See Permit	24 - COMP24
					Permit Req.														Req Mon DAILY MX	19 - mg/L	0		09/99 - See Permit	24 - COMP24
					Value NODI																			
01055	Manganese, total [as Mn]	1 - Effluent Gross	0	--	Sample													=	0.057	19 - mg/L			09/99 - See Permit	24 - COMP24
					Permit Req.														Req Mon DAILY MX	19 - mg/L	0		09/99 - See Permit	24 - COMP24
					Value NODI																			
01059	Thallium, total [as Tl]	1 - Effluent Gross	0	--	Sample													<	0.01	19 - mg/L			09/99 - See Permit	24 - COMP24
					Permit Req.														Req Mon DAILY MX	19 - mg/L	0		09/99 - See Permit	24 - COMP24
					Value NODI																			
01067	Nickel, total [as Ni]	1 - Effluent Gross	0	--	Sample													<	0.005	19 - mg/L			09/99 - See Permit	24 - COMP24
					Permit Req.														Req Mon DAILY MX	19 - mg/L	0		09/99 - See Permit	24 - COMP24
					Value NODI																			
01077	Silver, total [as Ag]	1 - Effluent Gross	0	--	Sample													<	0.003	19 - mg/L			09/99 - See Permit	24 - COMP24
					Permit Req.														Req Mon DAILY MX	19 - mg/L	0		09/99 - See Permit	24 - COMP24
					Value NODI																			
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	--	Sample													=	0.111	19 - mg/L			09/99 - See Permit	24 - COMP24
					Permit Req.														Req Mon DAILY MX	19 - mg/L	0		09/99 - See Permit	24 - COMP24
					Value NODI																			
01097	Antimony, total [as Sb]	1 - Effluent Gross	0	--	Sample													<	0.006	19 - mg/L			09/99 - See Permit	24 - COMP24
					Permit Req.														Req Mon DAILY MX	19 - mg/L	0		09/99 - See Permit	24 - COMP24
					Value NODI																			
01147	Selenium, total [as Se]	1 - Effluent Gross	0	--	Sample													<	0.005	19 - mg/L			09/99 - See Permit	24 - COMP24
					Permit Req.														Req Mon DAILY MX	19 - mg/L	0		09/99 - See Permit	24 - COMP24
					Value NODI																			
32730	Phenolics, total recoverable	1 - Effluent Gross	0	--	Sample													=	0.056	19 - mg/L			09/99 - See Permit	GR - GRAB
					Permit Req.														Req Mon DAILY MX	19 - mg/L	0		09/99 - See Permit	GR - GRAB
					Value NODI																			
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample													=	700.0	3M - ng/L			09/99 - See Permit	GR - GRAB
					Permit Req.														Req Mon DAILY MX	3M - ng/L	0		09/99 - See Permit	GR - GRAB
					Value NODI																			

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry

Name: Dorrance Berry

E-Mail: rberry@dgsd.org

Date/Time: 2023-01-10 16:17 (Time Zone: -06:00)

Report Last Signed By

User: reeseberry

Name: Dorrance Berry

E-Mail: rberry@dgsd.org

Date/Time: 2023-01-10 16:17 (Time Zone: -06:00)

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Amy Underwood, General Manager

FROM: Jeff Barta, Maintenance Supervisor

DATE: January 11, 2023

SUBJECT: December 2022 Maintenance Report

Attached is a work order summary detailing equipment repair and preventive maintenance activities conducted by the maintenance/electrical department during December 2022.

Special projects in December included:

WWTC Main Switch Gear (Eaton) – Controller Replacement

In addition to the recent switch gear repairs on the two (2) 400-amp breakers that were mentioned in my November maintenance report, we also had an outstanding replacement/upgrade that needed to be made on the main switch gear controller unit.

In the late spring/early summer of 2021, we started experiencing intermittent switch gear control issues when attempting to switch between our normal (ComEd) utility power and our emergency (standby generator) power sources. The control issue happened when attempting to switch between the two (2) power sources (i.e., utility & standby generators). The controller wouldn't reliably switch over to the requested power source. This would normally occur when we were exercising our standby generators.

On July 2nd, 2021, we received a proposal from Wesco, who is the distributor for Eaton, to replace our existing ATC-600 controller with the upgraded model, the ATC-900 controller, to resolve this issue. This is a sole source, OEM part that could not be purchased anywhere except from Eaton. When we placed the order on July 2nd, we were informed that the lead time would be approximately 90 days for delivery. Due to the ongoing supply chain issues, the new controller wasn't delivered until early December 2022.

After seventeen (17) months of limited operation of our standby emergency generators due to the uncertainty of the existing controller operation, we wanted to schedule the installation of the new upgraded controller as soon as possible. Fortunately, Eaton had a service technician available on December 15th for the installation. District electrical staff assisted Eaton with the installation and configuring of the new ATC-900 controller and testing the switch gear after it was installed.

I am pleased to report that this controller replacement/upgrade is complete, and everything operates as expected. The total cost for this controller upgrade from Wesco/Eaton was \$12,020.00.

Underground Natural Gas Line Replacement – WWTC Gas Meter at Sand Filter Building

Another project that was mentioned in my November maintenance report was the underground gas line replacement to our belt press building. During that underground gas line replacement, we also discovered that there were a couple of small leaks in our larger 6-inch underground gas piping, on our side of the gas meter. We were able to temporarily resolve the leaks with a repair clamp until a permanent repair could be made.

We received a proposal from Dahme Mechanical to replace approximately 40 feet of the rusted out and leaking 6-inch and adjacent 3-inch underground gas piping in the vicinity of the gas meter. All new piping is plastic welded medium-density polyethylene gas pipe. The lead time to receive these materials for this project was 4 weeks.

This repair required a complete shutdown and purging of the underground natural gas piping system at the WWTC. District staff assisted Dahme Mechanical with the shutdown, nitrogen purging, and re-starting all the gas fired heating systems after the repairs were completed. This project was completed in one day and required approximately 12 hours to complete. The total cost of this repair by Dahme Mechanical was \$5,750.00.

Except for the new gas line that was recently installed to the belt press building, all the remaining underground gas piping throughout the WWTC is steel, and unfortunately it is nearing its end of useful life. We are currently reviewing our replacement options and related costs for the replacing the remaining underground gas piping in the plant in the next few years. A line item for this gas line replacement project will be included in the 5-year plan in our FY23-24 budget requests.

WWTC Grease Mixers – Annual Preventive Maintenance & Inspections

Xylem Water Solutions performed the annual preventive maintenance and inspections on the submerged mixers in both grease receiving tanks. This service includes removing the mixers from the tanks to clean and inspect. The motor bearings, mechanical seals, propellers and power cords are inspected; the motor windings are tested; and the motor & seal oil are replaced.

No problems were found, and no additional repairs were required on either mixer. They were put back in service and are operating as expected. The total cost for this annual preventive maintenance and inspections from Xylem Water Solutions was \$625.00.

Liberty Park & Venard Lift Stations – Annual Submersible Pump Preventive Maintenance & Inspections

Xylem Water Solutions performed the annual 20-point submersible pump inspections & P/M's on all three pumps at each lift station. This annual service includes removing each pump from the wet well with Xylem's crane truck, physical inspection of the pump housing, power and signal cords, impeller, volute, wear rings and discharge bellows. All electrical connections are tightened, the motor windings are tested, the oil is changed on the pump motor, the condition of the mechanical seals is verified, and the seal oil level and condition are also checked.

After each inspection, the pumps are re-installed and tested to verify proper operation and to check for leaks at the discharge bellows. District staff assists with these annual inspections & P/M's and monitors the lift station operation. The total cost for this annual preventive maintenance service from Xylem Water Solutions is \$2,800.00. This is the total cost for all 6 pumps.

Work Order Summary

Work Order Completion Dates from 12/1/2022 to 12/29/2022

Work Assignment	Completion Date	Equipment	NOTATIONS
500 Hour Oil Change on Pearth 4	01-Dec-22	Digester 4 Mixing System	
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
6 Month Oil Change On Bearings on Grit Pumps 1, 2, 3, & 4.		Grit Pump 1	
		Grit Pump 2	
		Grit Pump 3	
		Grit Pump 4	
SWPPP Annual Training		WWTC Roadways	
Change Pre-Filters Blowers 1 - 4.	02-Dec-22	Blower Bag Room	
Free up inflow sluice gates, replace stem & manual gear reducers.		Secondary Clarifier 8	Divert flow & pump down aeration tanks 10 & 11. Dahme Mechanical replaced the sluice stem on Secondary 8, all 3 manual gear lifts, cleaned slides & adjusted wedges.
		Secondary Clarifier 9	
FY22-23 PAINT SVC PREP/MISC CONCRETE RPRS/UNIT STRUT REPL/PIPE SUPP RPRS		Tunnel/Chan Aeration Tank 1-11	Repaired or replaced rotted pipe support strut throughout tunnel. Fabricated support bases for strut. Replaced leaking hypochlorite line with new. Repaired concrete and pipe insulation where necessary.
Monthly Liquid Status of Under Ground Diesel Tank	03-Dec-22	Emerg Gen Diesel Storage Tank	
EXCESS 003- Exercise 30" and 24" DEZURIK Valves		Excess Flow 003 Valves	
Grease fittings on each moyno 1 and 2	05-Dec-22	Belt Press Sludge Feed Pump 1	
		Belt Press Sludge Feed Pump 2	
28,297/40,480 hours. Perform 1,200 hour service on engine genset.		CHP Engine Genset #2	Performed all required aspects of 1200 hr service on engine genset.
Flush Pearth 2 with 3 oz of Kerosene/Oil mixture		Digester 2 Mixing System	
Troubleshoot blower failure.		Grit Blower 3 Kaeser	Found compressor drive belts broken. Replaced with new, back on line.
Monthly Cross Collector Check		Primary Clarifier 3	
		Primary Clarifier 4	
		Primary Clarifier 5	
		Primary Clarifier 6	
		Primary Clarifier 7	
		Primary Clarifier 8	
		Primary Clarifier 9	
Exercising of plant water main valves		Yard Piping - City Water	
Replace broken air filter assembly on JD 244K #332	06-Dec-22	2015 Wheel Loader #332	Replaced broken air cleaner box with new.
Safety lane Vehicle 354	07-Dec-22	2014 Freightliner M2106 6 yd d	

Work Assignment	Completion Date	Equipment	NOTATIONS
Sludge heater pump has seal leak.		Digester 1 Heat Exchanger	Replace pump seal/bearing housing assembly with new.
Check, Remove,Clean. Grease-debris from wells		Excess Flow Pump Station	Remove, clean & inspect level transducers at raw sewage & excess flow pumping stations.
4 MONTH GREASING FITTINGS ON GRIT CONVEYORS		Grit Conveyor System	
Xylem annual PM.		Liberty Park LS Pump 1	Assisted Xylem with isolating each pump, all 3 pumps inspected, winding tested, seal moisture check and oil sample inspection and oil level fill verification.
		Liberty Park LS Pump 2	
		Liberty Park LS Pump 3	
Check, Remove,Clean. Grease-debris from wells		Raw Sewage Pump Station	Remove, clean & inspect level transducers at raw sewage & excess flow pumping stations.
Exercise both 24" primary influent ratio valves		Tunnel From PS to Grit	
		Tunnel/Chan Primary Clarifiers	
12 Month/10,000 Mile Synthetic Oil Change (2014 F-250) # 348 MAINTENANCE	08-Dec-22	2014 Ford F-250 Plow Truck	Change Oil & Filter. Use Mobil 1 Full Synthetic Oil. check air and cabin filters, replace if necessary. Rotate tires and check air pressure.
Troubleshoot starter issue.		6 in CHE Diesel Trash Pump C/P	Replace battery that was weak. Also found the starter was bad. Replaced starter.
Operate Relief Valves On Heat Exchangers And Boilers		Digester 1 Heat Exchanger	
		Digester 2 Heat Exchanger	
		Digester 3 Heat Exchanger	
		Digester 4 Heat Exchanger	
		Digester 5 Heat Exchanger	
		Excess Flow Pump Station	
Due for Annual Inspection & P/M.		Grease Receiving Tank - West	Xylem Water Solutions performed annual PM. No problems found. The new chemical resistant power cord that were installed 2 yrs ago are holding up well.
46,573 Miles - Due for oil change.	09-Dec-22	2018 Ford F-150	Change oil & filter. Use full synthetic oil. Also rotated tires.
12 Month/10,000 Mile Synthetic Oil Change (2020 F-350) # 304		2020 F350 4x4	Change oil & filter. Use Mobil 1 Full Synthetic Oil. Check air & cabin filters, replace if necessary. Rotate tires & check air pressure.
Due for Annual Inspection & P/M.	12-Dec-22	Grease Receiving Tank	Xylem Water Solutions performed the annual PM. No problems found. The new chemical resistant power cords that were installed 2 yrs ago are holding up well.
Replace Air Filters On Both Laboratory Furnaces		Laboratory	
Replace Air Filters On Both Maintenance Building Furnaces		Maintenance Services Building	
Replace Air Filter On Operations Center Furnace		Operations Center	
Replace Air Filters In Geothermal unit.		Raw Sewage Pump Station	
By-Weekly Fluid and Misc. Check of Generators	13-Dec-22	Emergency Generator 1	
		Emergency Generator 2	

Work Assignment	Completion Date	Equipment	NOTATIONS
FY22-23 Painting Services.		Emergency Generator 3 Tunnel/Chan Aeration Tank 1-11	Complete painting of tunnels AT 1-7 & AT 8-11 by GP Maintenance. Everything was water blasted, spot primed & repainted. Ceiling, walls, equipment, piping & supports with the exception of the flrs. AT 1-7 \$38K AT 8-11 \$33K.
Vehicle 354, 6 Month Oil Change (6 yard dump) Monthly Fire Extinguishers Inspection	14-Dec-22	2014 Freightliner M2106 6 yd d 5006 Walnut Eqpmnt Strge Bldg Administration Center Bar Screen Building Belt Filter Press Building Bisulfite Building Blower Building	
Test for H2S at Unison Gas skid		CHP Gas Cleaning System	
2 Month grease of new WAS pump #2 Monthly Fire Extinguishers Inspection		Conc. Tank Thickener Pump 2 Digester 1 and 2 Control Bldg Digester 3 Control Building Digester 4 - 5 Control Buildg Emergency Generator Building Excess Flow Pump Station Excess Flow Sludge Pump House Filter Building Grit Building Hypochlorite Feed Blg Interm Clarifier Sludge Bldg Laboratory Maintenance Services Building Microstrainer Building Operations Center Raw Sewage Pump Station System Garage	
Xylem annual PM.		Venard Pump #1 Venard Pump #2 Venard Pump #3	Assisted Xylem with isolating each pump, all 3 pumps were inspected, winding tested, seal moisture check & oil sample inspection & oil level fill verification.
Check All Fluids In The Equipment Listed Below	15-Dec-22	2009 Sterling LT 7500 2013 Wheel Loader #334 2014 Freightliner M2106	

Work Assignment	Completion Date	Equipment	NOTATIONS
Lubricate skid steer and attachment mechanism Check All Fluids In The Equipment Listed Below		6 yd d 2015 Wheel Loader #332 2017 Deere 544K Wheel Loader 2019 Skid Steer 4 inch EBARA Pump (Old Jaeger) 6 in CH&E DSL TRSH PMP PERKIN 6 in CHE Diesel Trash Pump C/P 6 in JAEGER PUMP (FORD) Portable Generator 150 Portable Generator 200 Portable Generator 350 WWTC ODS Pump Air Compressor	
Vehicle 317, 6 Month Oil Change, (2009 Sterling LT7500 12 yard dump)	16-Dec-22	2009 Sterling LT 7500	
Oil Bell & Gosset Pumps	19-Dec-22	Digester 1 Heat Exchanger Digester 2 Heat Exchanger Digester 3 Heat Exchanger Digester 4 Heat Exchanger Digester 5 Heat Exchanger Excess Flow Pump Station	
Replace Wiper Grit Conveyors 1-2		Grit Conveyor System	
Safety lane Vehicle 317	20-Dec-22	2009 Sterling LT 7500	Replaced license plate light bulb, secured license plate light better. Took for safety lane, replaced broken barbed connector for wiper wash down on drivers side.
Exercise valves at Belt Press Building	22-Dec-22	Belt Filter Press Belt Filter Press Building Belt Press Feed Sludge Pits Belt Press Polymer Mix System Belt Press Sludge Conveyor Belt Press Sludge Feed Pump 1 Belt Press Washwater System	
2 MONTH EXERCISE OF W.A.S. MOYNO PUMPS 1 AND 3		Conc Tank Moyno Sludge Pump 1 Conc Tank Moyno	

Work Assignment	Completion Date	Equipment	NOTATIONS
Grease Pump Bearings on 1-6 RAS pumps		Sludge Pump 3	
		RAS Pump 1	
		RAS Pump 2	
		RAS Pump 3	
		RAS Pump 4	
		RAS Pump 5	
By-Weekly Fluid and Misc. Check of Generators	27-Dec-22	RAS Pump 6	
		Emergency Generator 1	
		Emergency Generator 2	
Run And Inspect Generators With The Load Of The Plant	28-Dec-22	Emergency Generator 3	
		Emergency Generator 1	
		Emergency Generator 2	
Exercise of Excess Influent and Effluent Gates	29-Dec-22	Emergency Generator 3	
		Excess Flow Clarifier 1	
		Excess Flow Clarifier 2	
		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	

DOWNERS GROVE SANITARY DISTRICT
M E M O

DATE: January 3, 2023

TO: Amy Underwood
General Manager

FROM: Robert Swirsky
Sewer System Maintenance Supervisor

RE: Monthly Report – December 2022

1.	JULIE Line Markings:	Current	Year End Total
	Received	0504	12720
	In District	478	11876
	Marked	188	2664
	Man Hours	062	1035
2.	Building Service:	Current	Year End Total
a.	BSSRAP TV Inspections	25	269
b.	Emergency BSSRAP Repairs	07	134
c.	Total BSSRAP Repairs	11	202
d.	I&I inspections	07	30
e.	I&I C.O. installation	00	00
f.	Replace broken cleanout caps	00	00
g.	OHSP TV Inspections	00	03
h.	Post Rodding TV	04	81
3.	Sewer backups:	Current	Year to Date
a.	Public sewer	01	08
b.	Private sewer	20	266
c.	Surcharged main	00	00
d.	Pump station	00	00
	Total	21	274
		Current	Year to Date
4.	Sewer Cleaning (DGSD personnel):	32,382 Ft.	366,007 Ft.
	a. Sewer Cleaning (outside contractors):	0 Ft.	345 Ft.
5.	Main Sewer Televising (DGSD personnel):	859 Ft.	4,460 Ft.
	a. Sewer Televising (outside contractors):	0 Ft.	84,352 Ft.
6.	LETS TV	0	2
7.	Manhole inspections	0	16

8. Sewer and manhole repairs and replacements by Uno Construction:
1H-054 to 1H-053 – removed a water service crossbore from the sewer main.
1N-015 to 1N-014 – removed the stuck mainline camera from the sewer main.

9. Miscellaneous: (sewer system personnel)
 - a. Upload Flow-Meters.
 - b. 3 month PM cleaning.

CC: WDVb, AES, JMW, RTJ, KJR, MS, CSS, MPG

DOWNERS GROVE SANITARY DISTRICT
M E M O

DATE: January 4, 2023

TO: Amy R. Underwood
General Manager

FROM: Keith Shaffner
Sewer Construction Supervisor

RE: Monthly Report: Sewer Construction \ Code Enforcement – December 2022

- | 1. | Permits issued: | Current | Year to Date |
|----|-----------------|----------|--------------|
| a. | Single family | 1 | 56 |
| b. | Multiple family | 0 | 1 |
| c. | Commercial | 0 | 10 |
| d. | Repair | 2 | 25 |
| e. | Disconnection | <u>2</u> | <u>39</u> |
| | Total | 5 | 131 |
-
- | 2. | Inspections made: | Current | Year to Date |
|----|------------------------|----------|--------------|
| a. | Connections | 1 | 84 |
| b. | Finals | 6 | 43 |
| c. | Repairs | 1 | 25 |
| d. | Disconnects | 5 | 40 |
| e. | Groundwork | 0 | 2 |
| f. | Walk-Thru | 0 | 0 |
| g. | Pre-connections | 0 | 6 |
| h. | Overhead Sewer Program | 0 | 1 |
| i. | Code Enforcement | 1 | 6 |
| j. | Lateral testing | <u>7</u> | <u>55</u> |
| | Total | 21 | 262 |
-
3. New Sewer Extension Construction:
- None
-
4. New Sewer Extension Testing - air, deflection, manhole, and televising:
- None
-
5. Code Enforcement:
- Inspection of corrected sump and downspout violation connections

6. Plan & Permit Reviews:
 - a. None
7. Building Sanitary Service Access Agreements:
 - a. 4432 Downers – Downers Grove
8. Illinois EPA Permits:

None
9. Waste Hauling Permits Issued:

None
10. Miscellaneous:

Inspectors Danny Jasso and Oscar Avila completed the Forklift Safety Training provided by the District.

CC: WDVb, AES, JMW, KJR, RTJ, MJS, CSS, RPS & MGP

Permits Issued: DECEMBER 2022

YEAR	PERMIT #	ADDRESS	STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2022	123	4432	DOWNERS	DG	12/14/2022	SF-RB		\$241.00
2022	128	103	LIVERY	OB	12/8/2022	REPAIR		
2022	129	522	SHERMAN	DG	12/19/2022	DISCON		
2022	131	5618	LYMAN	DG	12/20/2022	DISCON		
2022	130	4520	PRINCE	DG	12/20/2022	REPAIR		
TOTAL:								\$241.00

Permit Final Inspections: DECEMBER 2022

YEAR	PERMIT #	ADDRESS	STREET	CITY	FINAL
2021	5	5105	DEWITT	DG	12/13/2022
2022	8	3916	DOUGLAS	DG	12/19/2022
2022	14	1102	ADELIA	DG	12/19/2022
2021	59	4508	DOUGLAS	DG	12/28/2022
2021	96	5144	GRAND	DG	12/30/2022
2021	85	1923	HITCHCOCK	DG	12/30/2022

Progress Report

To: Amy Underwood, General Manager
From: Reese Berry, Laboratory Supervisor
Date: January 12, 2023
Re: December 2022 Laboratory Report

DGSD had 1 excess flow sampling event during December 2022. We had no permit excursions in December.

Surcharge:

We are still targeting the completion of 1 leftover week from Surcharge sampling. I believe we can complete this work prior to billing updates in the spring. We will be fully staffed for this whole calendar year, so I do not anticipate any issues completing our sampling duties.

Pretreatment:

Inspections were conducted at each permitted user. We didn't find anything at any of the locations that needed to be updated or changed. We did request updated Spill Containment/Control Plans to be updated and sent to us for their file. All locations had the proper documentation available for review and their operations were consistent with what they're permitted to do at their location.

Laboratory Remodel:

We started to clean and remove equipment from the final room in the laboratory to prepare for remodel of the room. The room will have all drywall taken down and a vapor barrier installed along the outside wall of the room. We will update any electrical and internet connectivity in this room during this remodel. This room will primarily be used for storage, so no funds will be spent on casework like we've previously done in the laboratory. It will simply have a wall or 2 with shelving to store supplies for the lab.

C: WDVb, AES, JMW, KJR, RTJ, MJS, CSS, MGP

To: Amy Underwood, General Manager
From: Alex Bielawa, Staff Engineer
Re: Engineering Report for the Month December, 2022
Date: January 12, 2023

I. Planning Projects & Studies

A. Flow Monitoring

Collection of Cycle L data is ongoing. The annual ranking of all metering locations has been included in Sewer Maintenance Supervisor Swirsky's report. Several flow meters were installed in downtown Downers Grove to capture flows in order to inform decisions on near-term I/I removal which is needed in anticipation of a new development being constructed downtown.

B. OSEC Generator Unit

It has been determined our current electrical configuration cannot handle the increased load of a new OSEC unit. I have been making progress on determining the District's best disinfection option moving forward.

C. Dewatering Press Pilot

District staff is reviewing PW Tech's report. I have been making progress on sizing a future unit as well as looking at other biosolids improvements for the future.

D. WWTC & Lift Station Code Walk-Through

Baxter & Woodman is working on incorporating the District's comments into the report. Please see the Baxter & Woodman Client Status Report for more information.

E. Underground Diesel Storage Tank Replacement

I have been working on replacing our current diesel storage tank for our emergency generators, which has been in service since the mid 1980's.

II. Design Projects

A. Curtiss Street Sewer Lining

The workplan for the project has been submitted to USEPA. Baxter & Woodman has incorporated the language required by the grant into the bid documents. Please see the Baxter & Woodman Client Status Report for more information.

B. Administration Building Improvements

YAD Construction is continuing to submit shop drawings, which the architect, OEMA, is currently reviewing. The District has made some color selections based on samples provided by the contractor. The District has obtained the permit from the Village of Downers Grove for the work.

III. Construction Projects

A. Centex Lift Station Replacement

Berger Excavating Contractors, Inc. did not submit a pay request this month.

A	Original Contract Sum	A		\$1,455,000.00
B	Net Change by Change Orders to Date	B	+	\$0.00
C	Contract Sum to Date	A+B = C		\$1,455,000.00
D	Total Completed and Stored to Date	D		\$294,357.00
E	Retainage	E	-	\$29,435.70
F	Total Earned Less Retainage	D-E= F		\$264,921.30
G	Less Previous Certificates for Payment	Previous Payments	-	\$264,921.30
H	Current Payment Due	F-G= H		\$0.00

Construction is expected to begin in Spring 2023.

B. Outfall 001 Sanitary Sewer Repair

The limits of the sag are being still being investigated so the pipe can be ordered. The current lead time for the pipe is sixteen weeks. Please see the Baxter & Woodman Client Status Report for more information.

C. Painting Services

The project has been completed and all paperwork with the Contractor is satisfactory. The District is working on getting labels for all the painted piping.

C: BOT, BOLI, CS & MGP

Downers Grove Sanitary District



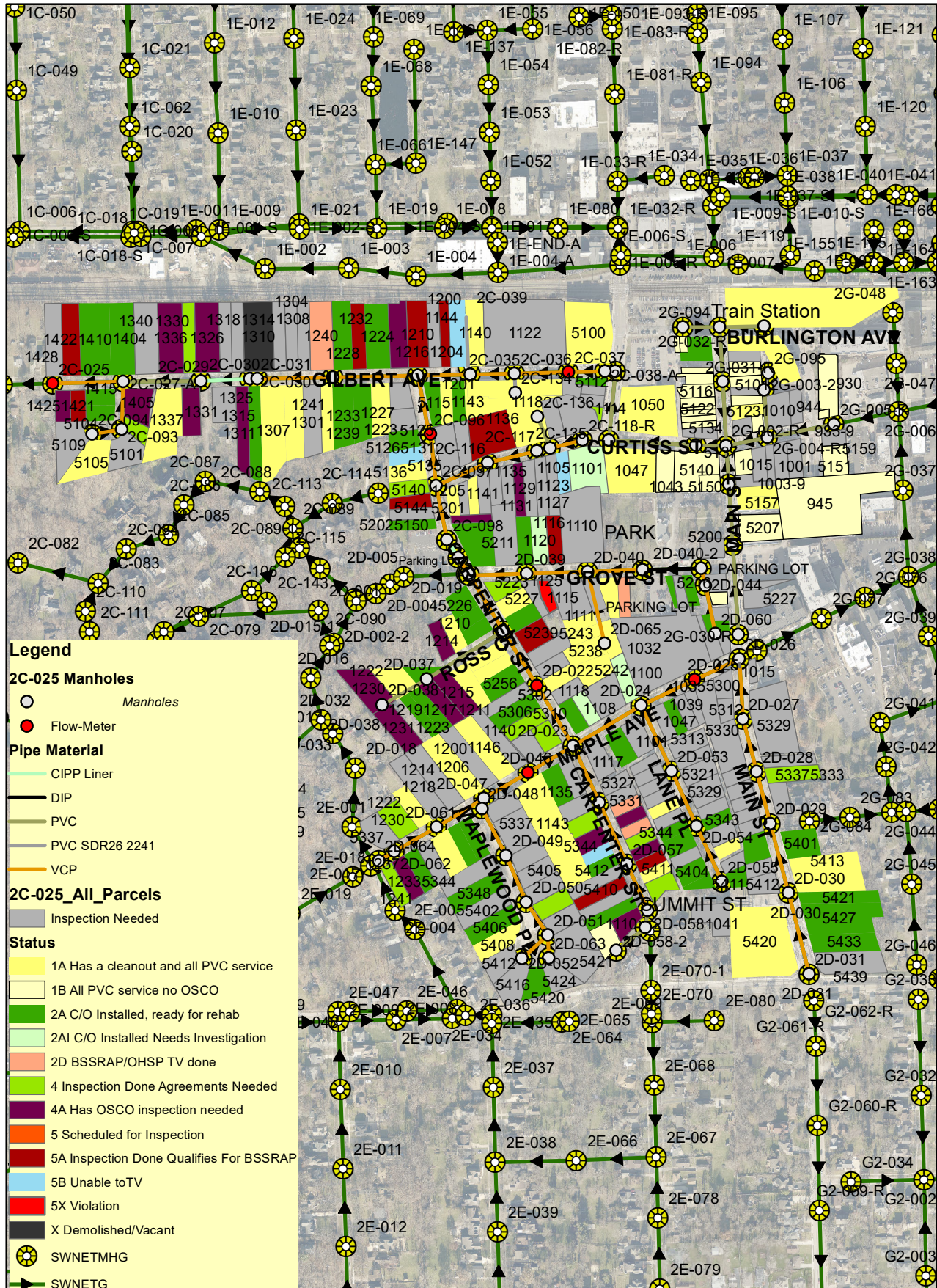
Client Manager:

Derek Wold
dwold@baxterwoodman.com
815-444-3335

Project Status Report Issued On: 12/20/2022

Project Title/Job	Project Manager	Completion Date	Tasks Completed This Period	Tasks Pending This Period	Items Waiting On Client	Status Date
Flow Monitoring Job Number: [050739.90]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	12/30/2019	None.	Assist District with analysis.	None	12/15/2022
Sewer Modeling (Hobson PS, downtown Downers Grove and Westmont) Job Number: [071129.30]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	7/1/2008	None.	None.	None.	12/15/2022
Outfall Sewer Sag CS Job Number: [180237.60]	Reggie Jansen 815-444-3391 rjansen@baxterwoodman.com	10/31/2022	General Construction Administration, Part-Time Construction Observation, Correspondence with Contractor about next steps	General Construction Administration, Sag Investigation, Recommendations		12/13/2022
Centex PS Replacement - CS Job Number: [181059.60]	Reggie Jansen 815-444-3391 rjansen@baxterwoodman.com	8/1/2022	Submittal and Pay Estimate Review. Construction to begin in Spring 2023	Submittal Review, Ongoing GCA/RPR Tasks.		12/13/2022
Curtiss Street CIPP Lining Job Number: [211126.40]	Reggie Jansen 815-444-3391 rjansen@baxterwoodman.com	5/30/2022	95% specifications and exhibits sent to District along with work plan revisions for review/submission.	Finalize project for funding and bidding		12/13/2022
2022 Miscellaneous Engineering Services Job Number: [220150.00]	Derek Wold 815-444-3335 dwold@baxterwoodman.com	12/31/2022	Review data to assist with heat exchanger calculations and general assistance.	Assistance as request.	None.	12/13/2022
WWTC & LS Code Review Job Number: [220537.30]	Jason Ruffatti 815-444-3237 jruffatti@baxterwoodman.com	8/31/2022	Review draft report with DGSD to refine list.	Budget costs by mid-January and final report in late-January.	Draft report review comments.	12/12/2022

2C-025 I&I Investigation Status



STATUS OF PARCELS 2C-025 I&I INVESTIGATION

Category	Inspections Scheduled	Inspections Completed	Application Received	Agreements Signed	Cleanout Installed	Service Rehab Done	Totals	Total as Percentage
1A	Y	Y	N	Y	Y	N/A	47	15%
1B	Y	Y	N	N	N	N/A	27	9%
2A	Y	Y	Y	Y	Y	N	52	17%
2AI	Y	Y	Y	Y	Y	N	4	1%
2B	Y	Y	Y	Y	Y	N	0	0%
2D	Y	Y	Y	N	N	N	4	1%
4	Y	Y	N	N	N	N	14	5%
4A	N	N	N	N	N/A	N	19	6%
5	Y	N	N	N	N	N	0	0%
5A	Y	Y	N	N	N	N	11	4%
5AX	Y	Y	N	N	N	N	0	0%
5B	Y	N	N	N	N	N	4	1%
5BX	Y	N	N	N	N	N	1	0%
0	N	N	N	N	N	N	125	40%
X	-	-	-	-	-	-	1	0%
5X	-	-	-	-	-	-	0	0%
							<u>309</u>	<u>100%</u>

Category Description:

24% Complete

- 1A - PVC service with cleanout
- 1B - All PVC no Cleanout
- 2A - Cleanout installed, ready for rehab
- 2AI - C/O Installed Needs Investigation
- 2B - Ready for rehab
- 3 - Program application received (executed agreements needed)
- 3A - Released to contractor for cleanout installation
- 4 - Inspection completed (Program application needed)
- 4A - Has an existing cleanout
- 5 - Inspections scheduled
- 5A - Inspection done - BSSRAP needed (qualifying defects or obstructions seen during TV)
- 5AX - Violation, BSSRAP needed
- 5B - Unable to TV
- 5BX - Unable to TV Violation
- 0 - Inspection Needed
- X2 - Vacant not Disconnected

2022 Basin I&I Ranking = 9

DOWNERS GROVE SANITARY DISTRICT CASH BALANCES AND INVESTMENT SCHEDULE
DATE: 12/31/2022

CASH BALANCES

			PREVIOUS MONTH		
ACCOUNT NAME	ACCOUNT NUMBER	BALANCE PER BANK STATEMENT	TOTAL BALANCE PER BANK STATEMENTS	MONTHLY EARNINGS CREDIT	EARNINGS CREDIT PERCENTAGE
DEPOSIT	XXXXXXXXX1116	\$1,930,109.34			
DISBURSEMENT	XXXXXXXXX1111	244,375.79			
FLEXIBLE BENEFITS	XXXXXXXXX6025	8,673.19			
PAYROLL	XXXXXXXXX1117	220,788.16			
PETTY CASH	XXXXXXXXX1112	4,999.14			
USER REFUNDS	XXXXXXXXX1114	5,575.13			
TOTAL - CASH AT BANK		\$2,414,520.75	\$4,807,172.62	\$2,296.44	0.0478%

INVESTMENTS

TYPE	FINANCIAL INSTITUTION	TERM	MATURITY	AMOUNT	ANNUAL INT. RATE	GENERAL CORPORATE FUND (01)	IMPROVEMENT FUND (02)	CONSTRUCTION FUND (03)	PUBLIC BENEFIT FUND (05)	SEWER EXTENSION FUND (71)	INTEREST EARNED AT MATURITY
CD	TRISTATE CAPITAL BANK	ONGOING	8/9/2023	\$250,000.00	3.290%			\$250,000.00			\$8,225.00
TOTAL CDs				\$250,000.00	3.290%	\$0.00	\$0.00	\$250,000.00	\$0.00	\$0.00	\$8,225.00

TYPE	FINANCIAL INSTITUTION	TERM	LAST ACTION DATE	AMOUNT*	CURRENT RATE OF RETURN							ESTIMATED ANNUAL RETURN
MM	AXOS BANK	ONGOING	10/30/2020	\$250,133.52	0.200%	\$250,133.52						\$500.27
MM	BANKFINANCIAL	ONGOING	3/13/2013	\$250,819.26	1.250%	\$250,819.26						\$3,135.24
MM	FIRST CITIZENS BANK	ONGOING	11/9/2016	\$250,106.19	0.550%	\$250,106.19						\$1,375.58
MM	EVERGREEN BANK GROUP	ONGOING	2/23/2021	\$250,524.15	0.600%	\$250,524.15						\$1,503.14
MM	LIMESTONE BANK	ONGOING	1/25/2021	\$251,700.55	2.030%	\$251,700.55						\$5,109.52
MM	LISLE SAVINGS BANK	ONGOING	11/10/2020	\$250,009.92	0.500%	\$250,009.92						\$1,250.05
MM	LUANA SAVINGS BANK	ONGOING	10/29/2020	\$252,153.99	2.850%	\$252,153.99						\$7,186.39
MM	PEOPLES BANK	ONGOING	12/4/2012	\$372.78	0.000%	\$372.78						\$0.00
MM	STEARNS BANK	ONGOING	9/1/2015	\$250,000.00	1.500%	\$250,000.00						\$3,750.00
MM	TRISTATE CAPITAL BANK	ONGOING	4/16/2021	\$11.91	1.030%			\$11.91				\$0.12
MM	OLD SECOND NATIONAL BANK	ONGOING	11/20/2012	\$5,144.73	0.050%			\$5,144.73				\$2.57
TOTAL MM ACCOUNTS				\$2,010,977.00	1.184%	\$2,005,820.36	\$0.00	\$5,156.64	\$0.00	\$0.00		\$23,812.89
ILLINOIS FUNDS - MONEY MARKET				\$5,603,596.20	3.933%	\$4,163,256.97	\$875,200.76	\$565,138.47	\$0.00	\$0.00		\$220,389.44
TOTAL - ALL INVESTMENTS				\$7,864,573.20	3.210%	\$6,169,077.33	\$875,200.76	\$820,295.11	\$0.00	\$0.00		\$252,427.33

TOTAL CASH AND INVESTMENTS \$10,279,093.95

*INVESTMENT ACCOUNT BALANCES ARE UPDATED QUARTERLY FOR THESE MONEY MARKET ACCOUNTS TO REFLECT NOMINAL INTEREST AMOUNTS EARNED EACH MONTH AND POSTED DIRECTLY TO THE INVESTMENT.

Board of Trustees
Wallace D. Van Buren
President
Amy E. Sejnost
Vice President
Jeremy M. Wang
Clerk



2710 Curtiss Street
P.O. Box 1412
Downers Grove, IL 60515-0703
Phone: 630-969-0664
Fax: 630-969-0827
www.dgsd.org

General Manager
Amy R. Underwood, P.E.

Legal Counsel
Michael G. Philipp

Providing a Better Environment for South Central DuPage County

MEMORANDUM

To: Board of Trustees
From: Amy R. Underwood, General Manager
Date: January 13, 2023
Subject: Treasurer's Report for December 2022

Attached please find the subject report that tracks income and expenses for the first eight months of Fiscal Year 22-23.

Totals of expenses and income are shown on the following table:

Year-to-date	Income	Expenses
General Fund	\$ 7,618,527.76 (page 1)	\$ 5,855,850.42 (page 6)
Improvement Fund	\$ 360,334.21 (page 7)	\$ 260,701.82 (page 7)
Construction Fund	\$ 170,732.20 (page 8)	\$ 14,403.64 (page 9)
Public Benefit Fund	\$ 0.00 (page 10)	\$ 0.00 (page 10)
TOTAL	\$ 8,149,594.17	\$ 6,130,955.88

C: BOLI, MGP, CS

=====

Fund number & Description	Ending Fund Balance

Fund 01 : GENERAL FUND	\$7,171,439.44
Fund 02 : IMPROVEMENT FUND	\$1,399,659.87
Fund 03 : CONSTRUCTION FUND	\$1,753,291.39
Fund 05 : PUBLIC BENEFIT FUND	\$37,817.83
Recap Totals	<u>\$10,362,208.53</u>

TREASURER'S REPORT

DATE 01/10/23
FUND 01 GENERAL FUND

MONTH ENDED 12/31/22

PAGE 1

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
DEPT 05	REVENUES								
3000	PROPERTY TAXES		6,399.96-	0	1,363,345.44-	1,339,900-	23,445.44-	1.8	1,339,900-
3001	USER RECEIPTS		324,254.12-	314,340-	2,600,877.61-	2,541,929-	58,948.61-	2.3	3,692,500-
3002	SURCHARGES		30,568.92-	26,560-	275,163.88-	214,782-	60,381.88-	28.1	312,000-
3004	PLAN REVIEW FEES		.00	0	243.83-	375-	131.17	35.0-	500-
3005	CONSTRUCTION INSPECTION FEES		.00	0	315.56-	360-	44.44	12.3-	500-
3006	PERMIT INSPECTION FEES		241.00-	1,700-	11,476.00-	13,600-	2,124.00	15.6-	20,000-
3007	INTEREST ON INVESTMENTS		7,771.65-	600-	38,680.29-	4,800-	33,880.29-	705.8	7,000-
3013	SAMPLING AND MONITORING		8,285.51-	8,750-	78,174.79-	70,000-	8,174.79-	11.7	105,000-
3014	REPLACEMENT TAXES		19,089.05-	7,600-	185,705.52-	52,200-	133,505.52-	255.8	85,000-
3015	MISCELLANEOUS INCOME		426.00-	833-	7,404.98-	6,664-	740.98-	11.1	10,000-
3020	SALE OF PROPERTY		.00	0	11,817.80-	0	11,817.80-	.0	0
3021	TELEVISION INSPECTION		.00	0	.00	150-	150.00	100.0-	150-
3023	PROPERTY LEASE PAYMENTS		3,237.23-	2,967-	24,793.99-	23,736-	1,057.99-	4.5	35,600-
3024	MONTHLY SERVICE FEES		400,673.48-	386,112-	3,016,867.20-	3,122,321-	105,453.80	3.4-	4,535,600-
3027	GREASE WASTE		17,590.75-	17,500-	144,472.85-	140,000-	4,472.85-	3.2	210,000-
3035	INTERFUND TRANSFER		.00	0	250,000.00	250,000	.00	.0	500,000
3040	RENEWABLE ENERGY CREDITS		.00	0	45,760.62-	1,500-	44,260.62-	2,950.7	3,000-
3094	GRANTS AND INCENTIVES		.00	270,000-	63,427.40-	610,000-	546,572.60	89.6-	1,150,000-
=====									
DEPT 05 TOTALS			818,537.67-	1,036,962-	7,618,527.76-	7,892,317-	273,789.24	3.5-11,	11,006,750-
=====									
FUND REVENUE TOTAL			818,537.67-	1,036,962-	7,618,527.76-	7,892,317-	273,789.24	3.5-11,	11,006,750-
=====									
DEPT 11	O & M EXPENSES - ADMINISTRATION								
SECT A	SALARIES AND WAGES								
A001	TRUSTEES		.00	0	13,500.00	13,500	.00	.0	18,000
A002	BOLI		.00	0	.00	675	675.00-	100.0-	900
A003	GENERAL MANAGEMENT		22,613.07	28,156	158,291.46	178,343	20,051.54-	11.2-	256,600
A004	FINANCIAL RECORDS		23,864.15	18,014	145,394.33	149,504	4,109.67-	2.8-	211,350
A005	ADMINISTRATIVE RECORDS		2,634.06	2,393	18,775.24	19,228	452.76-	2.4-	27,250
A006	ENGINEERING		947.19	428	8,460.21	3,638	4,822.21	132.6	5,150
A007	CODE ENFORCEMENT		36,422.91	37,476	257,145.42	256,583	562.42	.2	367,100
A008	SAFETY ACTIVITIES		3,933.25	4,071	26,410.82	33,964	7,553.18-	22.2-	48,000
A030	BUILDING AND GROUNDS		669.55	150	4,281.69	935	3,346.69	357.9	1,350
A085	INCENTIVE		.00	0	200.00	0	200.00	.0	0
A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE		.00	433	75.00	3,681	3,606.00-	98.0-	5,200
=====									
SECT A TOTALS			91,084.18	91,121	632,534.17	660,051	27,516.83-	4.2-	940,900
=====									
SECT B	OPERATIONS AND MAINTENANCE								
B100	ELECTRICITY		.00	700	3,328.31	7,200	3,871.69-	53.8-	10,000
B101	NATURAL GAS		162.91	300	865.57	1,750	884.43-	50.5-	3,000
B102	WATER, GARBAGE AND OTHER UTILITIES		.00	0	356.08	860	503.92-	58.6-	1,250
B110	BANK CHARGES		30.90	1,950	6,763.80	15,600	8,836.20-	56.6-	23,200
B112	COMMUNICATION		2,282.98	2,500	15,580.12	20,000	4,419.88-	22.1-	29,200
B113	EMERGENCY/SAFETY EQUIPMENT		1,057.08	1,900	11,763.26	20,400	8,636.74-	42.3-	30,000

TREASURER'S REPORT

DATE 01/10/23

MONTH ENDED 12/31/22

PAGE 2

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B115	EQUIPMENT/EQUIPMENT REPAIR		6,625.49	12,600	57,807.20	119,600	61,792.80-	51.7-	169,700
B116	SUPPLIES		3.85	600	2,899.38	4,800	1,900.62-	39.6-	6,800
B117	EMPLOYEE/DUTY COSTS		1,388.71	2,100	12,932.94	16,800	3,867.06-	23.0-	24,750
B118	BUILDING AND GROUNDS		3,571.78	32,250	51,604.97	158,400	106,795.03-	67.4-	167,000
B119	POSTAGE		1,014.85	630	4,274.77	5,040	765.23-	15.2-	7,550
B120	PRINTING/PHOTOGRAPHY		397.40	300	6,596.32	11,500	4,903.68-	42.6-	12,700
B121	USER BILLING MATERIALS		6,978.71	7,000	50,097.61	56,150	6,052.39-	10.8-	84,150
B124	CONTRACT SERVICES		4,807.60	12,525	53,999.15	100,200	46,200.85-	46.1-	150,300
B137	MEMBERSHIPS/SUBSCRIPTIONS		.00	0	5,884.88	6,720	835.12-	12.4-	8,500
=====									
SECT B TOTALS			28,322.26	75,355	284,754.36	545,020	260,265.64-	47.8-	728,100
=====									
SECT C VEHICLES									
C222	GAS/FUEL		172.32	200	1,827.81	1,450	377.81	26.1	2,000
C225	OPERATION/REPAIR		85.38	0	135.36	1,950	1,814.64-	93.1-	2,600
C226	VEHICLE PURCHASES		.00	0	18,637.00	12,000	6,637.00	55.3	12,000
=====									
SECT C TOTALS			257.70	200	20,600.17	15,400	5,200.17	33.8	16,600
=====									
DEPT 11 TOTALS			119,664.14	166,676	937,888.70	1,220,471	282,582.30-	23.2-	1,685,600
=====									
DEPT 12 0 & M EXPENSES - WWTC									
=====									
SECT A SALARIES AND WAGES									
A006	ENGINEERING		7,197.45	4,114	41,293.85	34,542	6,751.85	19.6	48,800
A009	OPERATIONS MANAGEMENT		8,974.31	12,524	74,094.83	75,144	1,049.17-	1.4-	108,550
A010	MAINTENANCE - BUDGET		.00	62,861	.00	487,704	24,255.73-	5.0-	696,250
A011	MAINTENANCE - WWTC		46,796.95	0	310,816.48	0	.00	.0	0
A012	MAINTENANCE - VEHICLES		885.50	0	1,309.00	0	.00	.0	0
A013	MAINTENANCE - ENERGY RECOVERY		1,352.70	0	9,750.00	0	.00	.0	0
A014	MAINTENANCE - ELECTRICAL		22,298.13	0	141,572.79	0	.00	.0	0
A020	WWTC - BUDGET		.00	47,196	.00	397,720	14,850.43	3.7	561,750
A021	WWTC - OPERATIONS		40,326.64	0	279,821.26	0	.00	.0	0
A022	WWTC - SLUDGE HANDLING		17,220.21	0	124,988.47	0	.00	.0	0
A023	WWTC - ENERGY RECOVERY		1,350.21	0	7,760.70	0	.00	.0	0
A030	BUILDING AND GROUNDS		11,856.32	9,076	71,203.59	75,784	4,580.41-	6.0-	107,250
=====									
SECT A TOTALS			158,258.42	135,771	1,062,610.97	1,070,894	8,283.03-	.8-	1,522,600
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		182.42	4,200	47,557.54	36,200	11,357.54	31.4	53,600
B101	NATURAL GAS		598.83	1,300	5,056.28	5,100	43.72-	.9-	10,400
B102	WATER, GARBAGE AND OTHER UTILITIES		1,249.68	3,300	33,247.10	33,800	552.90-	1.6-	48,400
B103	ODOR CONTROL		.00	200	592.74	2,100	1,507.26-	71.8-	3,000
B104	FUEL - GENERATORS		.00	0	14,250.00	9,375	4,875.00	52.0	12,500
B112	COMMUNICATION		2,824.29	2,000	15,069.74	16,900	1,830.26-	10.8-	24,900
B113	EMERGENCY/SAFETY EQUIPMENT		6,972.47	4,000	13,729.42	32,000	18,270.58-	57.1-	43,600
B116	SUPPLIES		1,706.20	2,600	16,609.67	20,950	4,340.33-	20.7-	31,350
B117	EMPLOYEE/DUTY COSTS		3,014.34	2,100	8,928.69	18,300	9,371.31-	51.2-	26,000

TREASURER'S REPORT

DATE 01/10/23

MONTH ENDED 12/31/22

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FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B124	CONTRACT SERVICES		.00	0	222,594.00	222,600	6.00-	.0	222,600
B130	NPDES PERMIT FEES		.00	0	53,000.00	53,000	.00	.0	53,000
B131	SLUDGE HAULING/DISPOSAL SERVICES		.00	0	79,344.72	85,000	5,655.28-	6.7-	85,000
B400	CHEMICALS - BUDGET		.00	19,150	.00	153,200	36,027.21-	23.5-	229,800
B401	CHEMICALS - DISINFECTION		8,167.31	0	60,026.40	0	.00	.0	0
B402	CHEMICALS - SLUDGE DEWATERING		3,192.80	0	37,482.28	0	.00	.0	0
B404	CHEMICALS - OTHER		.00	0	19,664.11	0	.00	.0	0
B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS		84,129.08	5,400	95,030.27	121,800	26,769.73-	22.0-	143,600
B502	EQPT/EQPT REPAIR - DISINFECTION		89.32	500	3,613.97	12,300	8,686.03-	70.6-	15,300
B503	EQPT/EQPT REPAIR - EXCESS FLOW		.00	1,520	2,980.99	12,160	9,179.01-	75.5-	18,300
B504	EQPT/EQPT REPAIR - GRIT REMOVAL		160.58	3,520	1,032.99	28,160	27,127.01-	96.3-	42,300
B505	EQPT/EQPT REPAIR - INFLUENT PUMPING		9,391.66-	5,020	38,273.03	40,160	1,886.97-	4.7-	60,300
B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT		5,140.16	4,320	15,570.50	34,520	18,949.50-	54.9-	51,800
B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT		86.50	13,820	16,683.66	110,520	93,836.34-	84.9-	165,800
B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION		.00	440	453.39	3,540	3,086.61-	87.2-	5,300
B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING		548.45	3,225	21,901.70	25,800	3,898.30-	15.1-	38,600
B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION		5,213.47	5,950	21,881.61	147,600	125,718.39-	85.2-	171,400
B511	EQPT/EQPT REPAIR - TERTIARY TREATMENT		.00	7,190	4,068.28	57,520	53,451.72-	92.9-	86,300
B512	EQPT/EQPT REPAIR - WWTC GENERAL		14,243.47-	3,460	22,848.07	27,680	4,831.93-	17.5-	41,600
B513	EQPT/EQPT REPAIR - WWTC UTILITIES		12,764.53	22,550	165,151.14	180,400	15,248.86-	8.5-	350,650
B801	BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOS		.00	333	101.63	2,668	2,566.37-	96.2-	4,000
B802	BLDG AND GROUNDS - DISINFECTION		.00	300	.00	2,400	2,400.00-	100.0-	3,600
B803	BLDG AND GROUNDS - EXCESS FLOW		.00	92	.00	736	736.00-	100.0-	1,100
B804	BLDG AND GROUNDS - GRIT REMOVAL		.00	133	.00	1,068	1,068.00-	100.0-	1,600
B805	BLDG AND GROUNDS - INFLUENT PUMPING		10,350.00	4,160	10,599.17	33,280	22,680.83-	68.2-	49,960
B807	BLDG AND GROUNDS - SECONDARY TREATMENT		.00	175	36.80	1,400	1,363.20-	97.4-	2,120
B809	BLDG AND GROUNDS - SLUDGE DEWATERING		.00	1,260	.00	10,060	10,060.00-	100.0-	15,100
B810	BLDG AND GROUNDS - SLUDGE DIGESTION		.00	310	916.88	2,480	1,563.12-	63.0-	3,715
B811	BLDG AND GROUNDS - TERTIARY TREATMENT		2,894.98	663	7,297.98	5,308	1,989.98	37.5	7,960
B812	BLDG AND GROUNDS - WWTC GENERAL		49,188.40	33,460	136,547.88	207,680	71,132.12-	34.3-	321,595
B813	BLDG AND GROUNDS - WWTC UTILITIES		.00	130	47.97	1,050	1,002.03-	95.4-	1,600
=====									
SECT B TOTALS			174,838.68	156,781	1,192,190.60	1,758,815	566,624.40-	32.2-	2,447,750
=====									
SECT C VEHICLES									
C222	GAS/FUEL		2,416.00	2,000	23,281.01	16,500	6,781.01	41.1	24,500
C225	OPERATION/REPAIR		745.13	700	3,059.61	5,700	2,640.39-	46.3-	8,500
C226	VEHICLE PURCHASES		.00	0	17,403.00	32,000	14,597.00-	45.6-	59,000
=====									
SECT C TOTALS			3,161.13	2,700	43,743.62	54,200	10,456.38-	19.3-	92,000
=====									
DEPT 12 TOTALS			336,258.23	295,252	2,298,545.19	2,883,909	585,363.81-	20.3-	4,062,350
=====									
DEPT 13 0 & M EXPENSES - LABORATORY									
=====									
SECT A SALARIES AND WAGES									
A009	OPERATIONS MANAGEMENT		5,364.43	9,835	42,951.87	59,022	16,070.13-	27.2-	85,250
A040	LABORATORY - BUDGET		.00	15,892	.00	129,165	8,151.74-	6.3-	182,800
A041	LAB - WWTC		11,949.92	0	97,238.06	0	.00	.0	0

TREASURER'S REPORT

DATE 01/10/23

MONTH ENDED 12/31/22

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FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
A042	LAB - PRETREATMENT		1,801.36	0	6,577.47	0	.00	.0	0
A043	LAB - SURCHARGE PROGRAM		862.29	0	8,036.36	0	.00	.0	0
A044	LAB - BOD		.00	0	84.91	0	.00	.0	0
A045	LAB - SOLIDS		.00	0	1,054.99	0	.00	.0	0
A046	LAB - AMMONIA		.00	0	310.64	0	.00	.0	0
A047	LAB - MICRO		.00	0	257.26	0	.00	.0	0
A048	LAB - ENERGY RECOVERY		815.47	0	7,453.57	0	.00	.0	0
=====									
SECT A TOTALS			20,793.47	25,727	163,965.13	188,187	24,221.87-	12.9-	268,050
=====									
SECT B OPERATIONS AND MAINTENANCE									
B112	COMMUNICATION		98.78	350	1,446.82	2,900	1,453.18-	50.1-	4,300
B114	CHEMICALS		1,388.13	2,000	12,359.49	16,500	4,140.51-	25.1-	24,500
B115	EQUIPMENT/EQUIPMENT REPAIR		88.26	3,000	4,383.42	24,000	19,616.58-	81.7-	36,000
B116	SUPPLIES		3,918.21	2,000	13,679.52	17,900	4,220.48-	23.6-	24,900
B117	EMPLOYEE/DUTY COSTS		728.39	460	2,009.15	3,660	1,650.85-	45.1-	5,500
B122	MONITORING EQUIPMENT		1,613.91	0	2,513.91	7,250	4,736.09-	65.3-	9,500
B123	OUTSIDE LAB SERVICES		3,079.89	2,000	14,073.73	16,000	1,926.27-	12.0-	23,000
=====									
SECT B TOTALS			10,915.57	9,810	50,466.04	88,210	37,743.96-	42.8-	127,700
=====									
SECT C VEHICLES									
C222	GAS/FUEL		90.12	50	542.74	450	92.74	20.6	650
C225	OPERATION/REPAIR		25.83	50	30.12	200	169.88-	84.9-	250
C226	VEHICLE PURCHASES		22,701.00	0	22,701.00	18,500	4,201.00	22.7	18,500
=====									
SECT C TOTALS			22,816.95	100	23,273.86	19,150	4,123.86	21.5	19,400
=====									
DEPT 13 TOTALS									
			54,525.99	35,637	237,705.03	295,547	57,841.97-	19.6-	415,150
=====									
DEPT 14 0 & M EXPENSES - SEWER SYSTEM									
SECT A SALARIES AND WAGES									
A006	ENGINEERING		119.68	906	3,578.96	6,724	3,145.04-	46.8-	9,600
A050	SEWER MAINTENANCE - BUDGET		.00	16,917	.00	143,651	65,993.29	45.9	202,800
A051	SEWER MAINTENANCE		30,810.13	0	198,577.08	0	.00	.0	0
A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS		1,010.48	0	11,067.21	0	.00	.0	0
A060	INSPECTION - BUDGET		.00	24,549	.00	208,523	73,308.68-	35.2-	294,400
A061	INSPECTION - NEW CONSTRUCTION		.00	0	2,255.52	0	.00	.0	0
A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS		3,601.20	0	37,166.21	0	.00	.0	0
A063	INSPECTION - PERMIT INSPECTIONS		2,230.65	0	10,744.92	0	.00	.0	0
A064	INSPECTION - MISCELLANEOUS		1,862.98	0	17,363.50	0	.00	.0	0
A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES		4,626.31	0	22,077.26	0	.00	.0	0
A066	INSPECTION - CODE ENFORCEMENT		7,486.42	0	45,606.91	0	.00	.0	0
A070	SEWER INVESTIGATIONS - BUDGET		.00	128	.00	1,088	3,446.04	316.7	1,550
A072	SEWER INVESTIGATIONS		767.34	0	4,534.04	0	.00	.0	0
A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE		.00	76	.00	468	468.00-	100.0-	650
=====									
SECT A TOTALS			52,515.19	42,576	352,971.61	360,454	7,482.39-	2.1-	509,000
=====									

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FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
SECT B OPERATIONS AND MAINTENANCE									
B112	COMMUNICATION		627.47	1,100	4,466.60	9,000	4,533.40-	50.4-	13,400
B113	EMERGENCY/SAFETY EQUIPMENT		72.17	200	2,576.80	2,000	576.80	28.8	2,800
B115	EQUIPMENT/EQUIPMENT REPAIR		.00	4,920	46,455.54	39,360	7,095.54	18.0	59,000
B116	SUPPLIES		74.81	375	2,581.64	3,150	568.36-	18.0-	4,650
B117	EMPLOYEE/DUTY COSTS		1,349.55	1,125	4,799.12	9,100	4,300.88-	47.3-	13,600
B124	CONTRACT SERVICES		.00	8,750	126,724.40	70,000	56,724.40	81.0	105,000
B127	JULIE SYSTEM		.00	0	7,965.80	8,050	84.20-	1.1-	16,100
B128	OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM		.00	1,000	6,017.00	11,000	4,983.00-	45.3-	15,000
B129	REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGE		671.40	1,000	4,212.40	8,000	3,787.60-	47.4-	12,000
B900	SEWER SYSTEM REPAIRS - BUDGET		.00	445,830	.00	2,866,610	2,222,048.95-	77.5-	3,796,600
B901	SEWER SYSTEM REPAIRS - I/I PROGRAM		1,666.25	0	18,102.56	0	.00	.0	0
B902	SEWER SYSTEM REPAIRS - REPLACEMENT		11,456.04	0	39,142.39	0	.00	.0	0
B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM		51,746.40	0	486,895.07	0	.00	.0	0
B911	SEWER SYSTEM REPAIRS - BSSRAP - TARGET I/I		.00	0	350.00	0	.00	.0	0
B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/R		.00	0	9,275.44	0	.00	.0	0
B929	ARRA LOAN PRINCIPAL REPAYMENT		.00	0	90,795.59	0	.00	.0	0
=====									
SECT B TOTALS			67,664.09	464,300	850,360.35	3,026,270	2,175,909.65-	71.9-	4,038,150
=====									
SECT C VEHICLES									
C222	GAS/FUEL		1,972.48	1,800	16,427.05	14,800	1,627.05	11.0	22,000
C225	OPERATION/REPAIR		3,796.37	600	7,582.56	4,800	2,782.56	58.0	7,000
=====									
SECT C TOTALS			5,768.85	2,400	24,009.61	19,600	4,409.61	22.5	29,000
=====									
DEPT 14 TOTALS									
			125,948.13	509,276	1,227,341.57	3,406,324	2,178,982.43-	64.0-	4,576,150
=====									
DEPT 15 O & M EXPENSES - LIFT STATIONS									
SECT A SALARIES AND WAGES									
A006	ENGINEERING		79.25	576	379.75	4,848	4,468.25-	92.2-	6,850
A009	OPERATIONS MANAGEMENT		.00	33	1,154.72	212	942.72	444.7	300
A030	BUILDING AND GROUNDS		.00	70	.00	513	513.00-	100.0-	750
A080	LIFT STATION MAINTENANCE		971.57	1,942	8,686.68	14,864	6,177.32-	41.6-	21,650
=====									
SECT A TOTALS			1,050.82	2,621	10,221.15	20,437	10,215.85-	50.0-	29,550
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		14,042.13	10,250	110,641.97	87,000	23,641.97	27.2	128,000
B104	FUEL - GENERATORS		307.42	0	2,095.16	2,850	754.84-	26.5-	3,750
B112	COMMUNICATION		364.84	500	2,414.23	4,500	2,085.77-	46.4-	6,300
B113	EMERGENCY/SAFETY EQUIPMENT		.00	0	300.00	1,000	700.00-	70.0-	1,000
B116	SUPPLIES		.00	0	98.92	300	201.08-	67.0-	300
B520	EQPT/EQPT REPAIR - BUTTERFIELD		.00	181	610.63	1,448	837.37-	57.8-	2,175
B521	EQPT/EQPT REPAIR - CENTEX		.00	163	4,414.05	1,304	3,110.05	238.5	1,950
B522	EQPT/EQPT REPAIR - COLLEGE		.00	2,880	2,305.02	23,040	20,734.98-	90.0-	34,575
B523	EQPT/EQPT REPAIR - EARLSTON		3,466.77	162	4,299.35	1,296	3,003.35	231.7	1,940
B524	EQPT/EQPT REPAIR - HOBSON		.00	2,920	25,944.83	23,360	2,584.83	11.1	35,000

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FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B525	EQPT/EQPT REPAIR - LIBERTY PARK		.00	390	6,079.63	3,120	2,959.63	94.9	4,660
B526	EQPT/EQPT REPAIR - NORTHWEST		4,924.00	1,820	5,315.49	14,560	9,244.51-	63.5-	21,850
B527	EQPT/EQPT REPAIR - VENARD		28.19	320	32,089.44	2,560	29,529.44	1,153.5	3,800
B528	EQPT/EQPT REPAIR - WROBLE		.00	770	2,820.52	6,160	3,339.48-	54.2-	9,200
B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL		827.68	5,030	9,117.20	40,240	31,122.80-	77.3-	60,400
B820	BLDG AND GROUNDS - BUTTERFIELD		137.80	0	1,138.10	0	1,138.10	.0	0
B821	BLDG AND GROUNDS - CENTEX		137.80	0	1,190.60	0	1,190.60	.0	0
B823	BLDG AND GROUNDS - EARLSTON		137.80	0	1,163.30	0	1,163.30	.0	0
B824	BLDG AND GROUNDS - HOBSON		3,809.05	0	5,851.57	20,000	14,148.43-	70.7-	20,000
B825	BLDG AND GROUNDS - LIBERTY PARK		137.80	0	2,775.30	0	2,775.30	.0	0
B826	BLDG AND GROUNDS - NORTHWEST		137.80	0	1,433.64	0	1,433.64	.0	0
B827	BLDG AND GROUNDS - VENARD		137.80	0	1,190.60	5,000	3,809.40-	76.2-	5,000
B828	BLDG AND GROUNDS - WROBLE		137.80	0	1,033.05	8,250	7,216.95-	87.5-	8,250
B829	BLDG AND GROUNDS - LIFT STATIONS GENERAL		.00	2,425	346.64	19,400	19,053.36-	98.2-	29,100
=====									
SECT B TOTALS			28,734.68	27,811	224,669.24	265,388	40,718.76-	15.3-	377,250
=====									
=====									
DEPT 15 TOTALS			29,785.50	30,432	234,890.39	285,825	50,934.61-	17.8-	406,800
=====									
=====									
DEPT 17 0 & M EXPENSES - INSURANCE & EMPLOYEE BENEFITS									
=====									
=====									
SECT E INSURANCE AND EMPLOYEE BENEFITS									
E452	LIABILITY/PROPERTY		.00	0	226,199.98	231,000	4,800.02-	2.1-	231,000
E455	EMPLOYEE GROUP HEALTH		43,538.76	50,000	347,877.06	400,000	52,122.94-	13.0-	597,300
E460	IMRF		19,744.46	26,640	179,004.42	208,680	29,675.58-	14.2-	296,000
E461	SOCIAL SECURITY		23,786.21	22,050	166,398.08	172,725	6,326.92-	3.7-	245,000
=====									
SECT E TOTALS			87,069.43	98,690	919,479.54	1,012,405	92,925.46-	9.2-	1,369,300
=====									
=====									
DEPT 17 TOTALS			87,069.43	98,690	919,479.54	1,012,405	92,925.46-	9.2-	1,369,300
=====									
=====									
DEPT 91 SA EXPENSE									
=====									
=====									
DEPT 91 TOTALS			.00	0	.00	0	.00	0	
=====									
=====									
FUND EXPENSE TOTAL			753,251.42	1,135,963	5,855,850.42	9,104,481	3,248,630.58-	35.7-	12,515,350
=====									
=====									
FUND 01 TOTALS			65,286.25-	99,001	1,762,677.34-	1,212,164	2,974,841.34-	245.4-	1,508,600
=====									

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FUND 02 IMPROVEMENT FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		2,515.11-	20-	11,675.53-	170-	250-
3010	TRUNK SEWER SERVICE CHARGES		.00	7,500-	98,658.68-	60,000-	90,000-
3035	INTERFUND TRANSFER		.00	0	250,000.00-	250,000-	500,000-
=====							
DEPT 05	TOTALS		2,515.11-	7,520-	360,334.21-	310,170-	590,250-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	0	.00	46,600	93,200
0515	PAYMENT ON LOAN PRINCIPAL		.00	0	46,595.52	0	0
=====							
DEPT 30	TOTALS		.00	0	46,595.52	46,600	93,200
=====							
DEPT 36	CAPITAL EXP - LIBERTY PARK LIFT STATION UPGRADE						
=====							
DEPT 36	TOTALS		.00	0	.00	0	0
=====							
DEPT 47	CAPITAL EXP - CENTEX LIFT STATION UPGRADE						
0500	PROJECT BUDGET		.00	186,000	.00	828,000	1,538,000
0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVI		350.00	0	10,160.00	0	0
0506	CONSTRUCTION CONTRACTS AND PURCHASES		203,946.30	0	203,946.30	0	0
=====							
DEPT 47	TOTALS		204,296.30	186,000	214,106.30	828,000	1,538,000
=====							
DEPT 48	CAPITAL - VENARD LIFT STATION UPGRADE						
0500	PROJECT BUDGET		.00	0	.00	0	50,000
=====							
DEPT 48	TOTALS		.00	0	.00	0	50,000
=====							
DEPT 74	CAPITAL EXP - SEWER - UNSEWERED AREAS						
0500	PROJECT BUDGET		.00	0	.00	0	500
=====							
DEPT 74	TOTALS		.00	0	.00	0	500
=====							
FUND EXPENSE TOTAL			204,296.30	186,000	260,701.82	874,600	1,681,700
=====							
FUND 02	TOTALS		201,781.19	178,480	99,632.39-	564,430	1,091,450
=====							

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FUND 03 CONSTRUCTION FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		2,287.91-	100-	10,499.20-	800-	1,200-
3009	SEWER PERMIT FEES		.00	20,833-	160,233.00-	166,664-	250,000-
=====							
DEPT 05	TOTALS		2,287.91-	20,933-	170,732.20-	167,464-	251,200-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	0	.00	14,450	28,900
0515	PAYMENT ON LOAN PRINCIPAL		.00	0	14,403.64	0	0
=====							
DEPT 30	TOTALS		.00	0	14,403.64	14,450	28,900
=====							
DEPT 31	CAPITAL EXP - WWTC - CHP BIOGAS						
=====							
DEPT 31	TOTALS		.00	0	.00	0	0
=====							
DEPT 32	CAPITAL EXP - WWTC - SECOND TURBOBLOWER						
=====							
DEPT 32	TOTALS		.00	0	.00	0	0
=====							
DEPT 33	CAPITAL EXP - WWTC - DIGESTER MIXING/GAS PIPING						
=====							
DEPT 33	TOTALS		.00	0	.00	0	0
=====							
DEPT 34	CAPITAL EXP - WWTC - GREASE WASTE DELIVERY RAMP						
=====							
DEPT 34	TOTALS		.00	0	.00	0	0
=====							
DEPT 35	CAPITAL EXP - WWTC - CHP BIOGAS PHASE 2						
=====							
DEPT 35	TOTALS		.00	0	.00	0	0
=====							
DEPT 37	CAPITAL EXP - WWTC - GREASE RECEIVING STATN N02						
=====							
DEPT 37	TOTALS		.00	0	.00	0	0
=====							
DEPT 38	CAPITAL EXP - WWTC - PROPERTY ACQUISITION						
=====							
DEPT 38	TOTALS		.00	0	.00	0	0
=====							
DEPT 39	CAPITAL EXP - WWTC - GRIT BLOWER REPLACEMENT						

DATE 01/10/23 MONTH ENDED 12/31/22
FUND 03 CONSTRUCTION FUND

FUND 03 CONSTRUCTION FUND

		ACTUAL	BUDGET			
	COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL
NUMBER	DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	BUDGET
=====						
DEPT 39 TOTALS		.00	0	.00	0	0
=====						
DEPT 40	CAPITAL EXP - WWTC - LOAN REPAYMENT					
=====						
DEPT 40 TOTALS		.00	0	.00	0	0
=====						
FUND EXPENSE TOTAL		.00	0	14,403.64	14,450	28,900
=====						
FUND 03 TOTALS		2,287.91-	20,933-	156,328.56-	153,014-	222,300-
=====						

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 FUND 05 PUBLIC BENEFIT FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
DEPT 05	REVENUES						
DEPT 05 TOTALS			.00	0	.00	0	0
DEPT 59	CAPITAL EXP - SEWER - SEWER EXTENSIONS						
DEPT 59 TOTALS			.00	0	.00	0	0
DEPT 65	CAPITAL EXP - SEWER - REIMB FOR ADDED DEPTH						
DEPT 65 TOTALS			.00	0	.00	0	0
FUND EXPENSE TOTAL			.00	0	.00	0	0
FUND 05 TOTALS			.00	0	.00	0	0

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 FUND 71 SEWER EXTENSIONS ESCROW

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NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
DEPT 05	REVENUES						
DEPT 05 TOTALS			.00	0	.00	0	0
DEPT 92	SEWER EXPENSE						
DEPT 92 TOTALS			.00	0	.00	0	0
FUND EXPENSE TOTAL			.00	0	.00	0	0
FUND 71 TOTALS			.00	0	.00	0	0

Paid Leave Information

New personal leave and vacation time for 2023 is not reflected on the current pay stub and will be shown on the first pay stub you receive in January.

Employee W-2s

Employee W-2s for 2022 are complete and will be ready for distribution on January 4.

TopHealth

The January 2023 edition of Top Health is enclosed.

Employee Outerwear Memo

For the Staff Engineer, Safety Coordinator, Operations, Maintenance, Laboratory, Sewer System, and Code Enforcement Staff you will have an enclosed memo regarding the outerwear reimbursement policy. This memo is a reminder of the process when ordering outerwear and provides a list of items that the District approves of under this reimbursement plan. Any questions, please see your supervisor or Carly Shaw.

COVID-19

Just a reminder, emergency paid sick leave to full time employees for COVID related reasons, which was provided by the District's Emergency COVID-19 Absence Policy, will no longer be available after December 31, 2022.

When you are experiencing COVID symptoms, please contact Carly Shaw.

Sewer Rehabilitation/Infiltration and Inflow Removal

We are targeting the 2C-025 area in downtown Downers Grove for private property inspections and I/I removal. Regular flow monitoring continues.

Status of Projects

1) 001 Outfall Pipe Repair

The contractor will be doing exploratory digs to verify the extent of the sag in order to determine the length of pipe to order.

2) Centex Lift Station Replacement

The contractor has received a portion of the major equipment and is anticipating that the remainder will be received soon. Construction is expected to start in late winter/early spring.

3) Administration Center Modifications

Shop drawing submittal and review is ongoing.

4) Curtiss Street Trunk Sewer Rehabilitation

The District is working with EPA to get the grant funding application completed and approved.

5) WWTC/Lift Station Building Code Review

B&W is working on the final report.

7) Admin Server Replacement

The new server has been installed in the server rack in the Admin Center. The file server migration, which was planned for December 3, was postponed. We will coordinate with any affected employees as needed when the migration of the file server, the accounting server, SCADA 2 server and the remote desktop server (i.e., thin client server) are scheduled.

HAPPY NEW YEAR TO YOU AND YOUR FAMILY!

WWTC Operations Data – December

The DMR for December indicates that the final effluent averaged 1.22 mg/L CBOD, 0.5 mg/L suspended solids and 0.13 mg/L ammonia-nitrogen over a daily average flow of 8.72 MGD. There were no permit excursions in December.

Financial Data – December

In December, the District received \$818,537 in the General fund, including \$324,2548 in user charges, \$30,569 in surcharges and \$400,673 in monthly fees. General fund expenses totaled \$753,251. The Improvement fund had revenues of \$2,515 and expenses of \$204,296. The Construction fund had revenues of \$2,288 and expenses of \$0.

Sewer Permits – December

There were 5 sewer permits issued in December – 1 single family, 2 repairs, and 2 disconnections.

Garbage & Recycling in Dumpsters

Please be sure not to overfill the garbage dumpster and that only recyclable items are being placed in the recycling container. All recycled items should be loose in the dumpster and not in a plastic bag of any kind. The District incurs fees when these things happen so if we can all do our part to make sure everything is properly disposed of that would be greatly appreciated.

Illinois Wastewater Surveillance System

The Illinois Wastewater Surveillance System dashboard is now live at iwss.uillinois.edu. Data from our wastewater treatment center can be found at <https://iwss.uillinois.edu/wastewater-treatment-plant/198/>.

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B&W is working on the final report.

7) Admin Server Replacement

The new server has been installed in the server rack in the Admin Center. The file server migration will start tonight (i.e., Friday) at 6 p.m. **Please remember to save any file that you are working on before leaving work on Friday.** Files saved in the file server will not be available during the migration, which is expected to take at least 12 hours. The migration of the accounting server, SCADA 2 server and the remote desktop server (i.e., thin client server) are expected to be done in the next few weeks.