

DOWNERS GROVE SANITARY DISTRICT
GENERAL MANAGER'S REPORT
February 10, 2023

February Board Meeting

Copies of documentation for the following agenda items are enclosed for the February 14, 2023 meeting:

- 1) Proposed Agenda
- 2) Minutes of the January 17, 2023 regular meeting
- 3) Minutes of the January 17, 2023 Executive Session (*Confidential under Separate Cover*)
- 4) Claim Ordinance 1922
- 5) Proposed FY 2023-24 Budget/Five Year Plan and Appropriation Ordinance
- 6) Executive Session – Memo regarding General Manager review (*Confidential under Separate Cover*)

BOLI Meeting

There is no BOLI meeting scheduled this month.

Operations Reports

Copies of the following are enclosed for January 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

The Safety Committee closed one incident report in January and also identified a helpful first aid app from the National Safety Council. A link has been sent to all employees to add to their phones.

The Downers Grove Fire Department contacted the District about installation of an Emergency Responder Communication Enhancement System (ERCES) in the tunnels. This is required by

the Village's fire code (2015 International Fire Code, Section 1103.2). Jessie is working with several vendors to obtain quotes.

Financial

A copy of the Investment Schedule as of January 31, 2023 is enclosed.

The Treasurer's Report for January 2023 covering the first nine months of FY 22-23 is included herein, along with a summary cover memo.

Meetings

I attended the following meetings since the January 13, 2023 General Manager's report:

- January 17 attended IAWA PFAS Subcommittee meeting
- January 25 IEPA inspection of DGSD facilities
- January 27 attended IAWA Nutrient Subcommittee meeting
- February 9 attended DRSCW Executive Board meeting

Miscellaneous

The main focus of the IEPA inspection on January 25 was our Sanitary Sewer Collection System Capacity, Management, Operation and Maintenance (CMOM) Plan. District staff are in the process of updating the CMOM to include additions requested by IEPA during the inspection. Once IEPA receives the updated CMOM, they will sign off on the inspection and provide the inspection report.

I took family sick leave and vacation January 31 - February 3 and worked remotely February 6 - 10.

Copies of the following items are enclosed:

- 1) General Manager's Report to the Employees dated January 27 and February 10
- 2) January 2023 DGSD WWTC wastewater report of SARS-CoV-2 levels
- 3) February 1 letter from USEPA determining Curtiss St Lining project is eligible for a categorical exclusion from the National Environmental Policy Act requirements.

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

**DOWNERS GROVE SANITARY DISTRICT
BOARD OF TRUSTEES MEETING
FEBRUARY 14, 2023 – 7:00 PM
BOARD ROOM**

PROPOSED AGENDA

- I. APPROVAL OF MINUTES
 - A. REGULAR MEETING – JANUARY 17, 2023
 - B. EXECUTIVE SESSION – JANUARY 17, 2023
- II. APPROVAL OF CLAIM ORDINANCE NO. 1922
- III. PUBLIC COMMENT
- IV. OLD BUSINESS
- V. NEW BUSINESS
 - A. REVIEW OF FY 2023-24 BUDGET/FIVE YEAR PLAN AND APPROPRIATION ORDINANCE
- VI. EXECUTIVE SESSION
 - To discuss employee compensation and performance 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 February 14, 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, January 17, 2023, 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, Information Coordinator Alyssa J. Caballero and Attorney Michael G. Philipp.

Minutes of Regular Meeting – December 20, 2022

A motion was made by Trustee Wang seconded by Trustee Sejnost approving the minutes of the regular meeting held on December 20, 2022 and authorizing the President and Clerk to sign same. The motion carried.

Claim Ordinance No. 1921

A motion was made by Trustee Wang seconded by Trustee Sejnost adopting Claim Ordinance No. 1921 in the total amount of \$603,131.20 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

Wastewater Treatment Center Operations Summary for 2022

General Manager Underwood presented the 2022 Wastewater Treatment Center Performance Report. The report includes information and comparisons to prior years on flows, available remaining capacity, treatment provided, NPDES permit compliance, sludge quantities produced, biosolids disposal, utilities consumption, digester gas, chemical usage and an overall summary.

Collection System Performance Summary for 2022

General Manager Underwood presented the 2022 Collection System Performance Report as prepared by Sewer System Maintenance Supervisor Robert Swirsky. The report includes information regarding maintenance work progress, manhole overflows, sewer backups, public sewer blockages and building service blockages.

Collection System Construction Summary for 2022

General Manager Underwood presented the 2022 Collection System Construction Summary Report as prepared by Sewer Construction Supervisor Keith Shaffner. The report includes information regarding permits issued, annexations, Board of Local Improvements, Illinois EPA permits and public sewer main construction.

Collection System Work Plan for 2023

General Manager Underwood presented the Collection System Work Plan for 2023 as prepared by Sewer System Maintenance Supervisor Robert Swirsky. The report includes information on proposed work on the collection system during 2023 including cleaning and televising sewers, flow metering, the Private Property Infiltration and Inflow Removal Program and the Building Sanitary Service Repair Assistance Program and manhole inspections.

Other New Business

Trustee Wang thanked staff for the annual performance reports. He noted that flows were average to the wastewater treatment center this year and the future plans for biosolids processing and disposal. He commented on the switch replacement mentioned in Maintenance Supervisor Barta's maintenance report for December. Lastly, he noted there was a decrease in past due charges for user billing.

Trustee Sejnost expressed her appreciation for the annual performance reports from staff. She also inquired about the January report for SARS-CoV-2 levels in our wastewater. Staff noted it would be available in February's Board packet.

Trustee Van Buren expressed his appreciation to Administrative Supervisor Shaw for the updates in her report on the phone system replacement and noted the pause with City Insight and the Downers Grove Village's launch of their new billing system. He also noted there was a decrease in past due charges for user billing.

Executive Session – Employee Compensation

A motion was made by Trustee Sejnost seconded by Trustee Wang to recess the regular meeting and convene an executive session at 7:42 p.m. under exception 2(c)1 of the Open Meetings Act to discuss the compensation of specific employees of the District. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

A motion was made by Trustee Wang seconded by Trustee Sejnost to reconvene the regular meeting at 8:18 p.m. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

A motion was made by Trustee Wang seconded by Trustee Sejnost to adjourn the regular meeting at 8:24 p.m. The motion carried.

Approved: February 14, 2023

President

Attest: _____
Clerk

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

Downers Grove, Illinois

Date: February 14, 2023

Claim Ordinance No. 1922

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 **\$576,396.93** being in words and figures as follows:

Payroll End Date: 01.07.23
 Payroll Paid Date: 01.13.23
 G/L Date: 02.28.23

GENERAL LEDGER RECAP
 DATE 01/10/23 PERIOD END 01/07/23 PAGE 6

G/LNUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		57280.91-
01-00.2000	FEDERAL TAX WITHHELD		9275.30-
01-00.2001	STATE TAX WITHHELD		4090.16-
01-00.2002	SOCIAL SECURITY WITHHELD		6817.27-
01-00.2003	IMRF WITHHELD		4006.76-
01-00.2005	CLEARING		20.89-
01-00.2013	CREDIT UNION WITHHELD		2419.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		4045.13-
01-00.2017	VOLUNTARY GROUP LIFE		208.00-
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		358.73-
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	322.15	
01-11.A004	FINANCIAL RECORDS	7649.16	
01-11.A005	ADMINISTRATIVE RECORDS	437.60	
01-11.A006	ENGINEERING	507.69	
01-11.A007	CODE ENFORCEMENT	5517.52	
01-11.A008	SAFETY ACTIVITIES	1077.60	
01-11.A030	BUILDING AND GROUNDS	402.16	
01-12.A006	ENGINEERING	1432.15	
01-12.A011	MAINTENANCE - WWTC	16574.73	
01-12.A014	MAINTENANCE - ELECTRICAL	8129.16	
01-12.A021	WWTC - OPERATIONS	15315.53	
01-12.A022	WWTC - SLUDGE HANDLING	4084.33	
01-12.A023	WWTC - ENERGY RECOVERY	232.65	
01-12.A030	BUILDING AND GROUNDS	3770.68	
01-13.A041	LAB - WWTC	5303.17	
01-13.A048	LAB - ENERGY RECOVERY	99.81	
01-14.A006	ENGINEERING	484.96	
01-14.A051	SEWER MAINTENANCE	10148.85	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	922.22	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	978.97	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	472.41	
01-14.A064	INSPECTION - MISCELLANEOUS	896.77	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	1599.39	
01-14.A066	INSPECTION - CODE ENFORCEMENT	4031.93	
01-15.A080	LIFT STATION MAINTENANCE	477.82	
		90869.41	90869.41-

PAYROLL END DATE: 01.15.23
PAYROLL PAID DATE: 01.17.23
G/L DATE: 02.28.23

GENERAL LEDGER RECAP
DATE 01/16/23 PERIOD END 01/15/23 PAGE 4

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		21593.71-
01-00.2000	FEDERAL TAX WITHHELD		3567.27-
01-00.2001	STATE TAX WITHHELD		1542.78-
01-00.2002	SOCIAL SECURITY WITHHELD		2514.67-
01-00.2003	IMRF WITHHELD		1479.22-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1539.43-
01-00.2017	VOLUNTARY GROUP LIFE		128.00-
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		115.68-
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	8955.98	
01-11.A004	FINANCIAL RECORDS	1038.30	
01-11.A007	CODE ENFORCEMENT	8991.21	
01-12.A009	OPERATIONS MANAGEMENT	4647.11	
01-12.A011	MAINTENANCE - WWTC	4333.80	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	124.06	
01-12.A014	MAINTENANCE - ELECTRICAL	588.10	
01-12.A021	WWTC - OPERATIONS	283.32	
01-12.A023	WWTC - ENERGY RECOVERY	56.45	
01-12.A030	BUILDING AND GROUNDS	62.03	
01-13.A009	OPERATIONS MANAGEMENT	3277.83	
01-13.A041	LAB - WWTC	698.58	
01-13.A042	LAB - PRETREATMENT	430.13	
01-15.A080	LIFT STATION MAINTENANCE	61.43	
		33548.33	33548.33-

PAYROLL END DATE: 01.21.23
 PAYROLL PAID DATE: 01.27.23
 G/L DATE: 02.28.23

GENERAL LEDGER RECAP
 DATE 01/25/23 PERIOD END 01/21/23 PAGE 6

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		56117.84-
01-00.2000	FEDERAL TAX WITHHELD		8657.70-
01-00.2001	STATE TAX WITHHELD		3968.54-
01-00.2002	SOCIAL SECURITY WITHHELD		6615.24-
01-00.2003	IMRF WITHHELD		3885.71-
01-00.2005	CLEARING		20.89-
01-00.2013	CREDIT UNION WITHHELD		2419.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3900.71-
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		296.09-
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	735.85	
01-11.A004	FINANCIAL RECORDS	7815.04	
01-11.A005	ADMINISTRATIVE RECORDS	808.63	
01-11.A006	ENGINEERING	242.48	
01-11.A007	CODE ENFORCEMENT	6179.47	
01-11.A008	SAFETY ACTIVITIES	1495.17	
01-11.A030	BUILDING AND GROUNDS	124.50	
01-12.A006	ENGINEERING	2216.42	
01-12.A011	MAINTENANCE - WWTC	15365.26	
01-12.A012	MAINTENANCE - VEHICLES	211.75	
01-12.A014	MAINTENANCE - ELECTRICAL	7083.20	
01-12.A021	WWTC - OPERATIONS	13876.34	
01-12.A022	WWTC - SLUDGE HANDLING	4311.91	
01-12.A023	WWTC - ENERGY RECOVERY	179.98	
01-12.A030	BUILDING AND GROUNDS	4483.36	
01-13.A041	LAB - WWTC	4790.91	
01-13.A047	LAB - MICRO	56.00	
01-13.A048	LAB - ENERGY RECOVERY	214.53	
01-14.A051	SEWER MAINTENANCE	10992.67	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	260.94	
01-14.A061	INSPECTION - NEW CONSTRUCTION	97.74	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	2211.38	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	433.17	
01-14.A064	INSPECTION - MISCELLANEOUS	577.23	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	591.68	
01-14.A066	INSPECTION - CODE ENFORCEMENT	1635.12	
01-14.A072	SEWER INVESTIGATIONS	1035.44	
01-15.A080	LIFT STATION MAINTENANCE	202.81	
		88228.98	88228.98-

Pay End Date: 01.31.23
 Pay Paid Date: 02.02.23
 G/L Date: 02.28.23

GENERAL LEDGER RECAP
 DATE 02/01/23 PERIOD END 01/31/23 PAGE 4

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		25284.83-
01-00.2000	FEDERAL TAX WITHHELD		3874.88-
01-00.2001	STATE TAX WITHHELD		1760.94-
01-00.2002	SOCIAL SECURITY WITHHELD		2860.25-
01-00.2003	IMRF WITHHELD		1479.99-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1540.16-
01-00.2017	VOLUNTARY GROUP LIFE		64.00-
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		115.72-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A001	TRUSTEES	4500.00	
01-11.A003	GENERAL MANAGEMENT	5935.58	
01-11.A004	FINANCIAL RECORDS	4266.54	
01-11.A006	ENGINEERING	33.15	
01-11.A007	CODE ENFORCEMENT	8991.21	
01-12.A009	OPERATIONS MANAGEMENT	4463.63	
01-12.A011	MAINTENANCE - WWTC	4747.14	
01-12.A014	MAINTENANCE - ELECTRICAL	316.71	
01-12.A021	WWTC - OPERATIONS	231.13	
01-12.A023	WWTC - ENERGY RECOVERY	51.13	
01-12.A030	BUILDING AND GROUNDS	105.57	
01-13.A009	OPERATIONS MANAGEMENT	4223.01	
01-13.A042	LAB - PRETREATMENT	183.54	
		38048.34	38048.34-

01 GENERAL FUND STANDARD CHECK REGISTER FOR 02/14/23

Date: 02/10/23
Time: 8:28am

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
ACI Payments Inc.	A000096	01/24/23	1000086501	01-11.B110	OLR FEES	31.00	31.00	104647
ADVOCATE OCCUPATIONAL HEALTH	A000150	01/09/23	839301	01-12.B117	NEW HIRE PHYSICAL/SCREEN	372.00		
		01/09/23	839301	01-14.B117	DRUG SCREEN	34.00	406.00	064021
ALTORFER INDUSTRIES, INC.	A000292	02/02/23	P6AC0058826	01-15.B522	COLLEGE GEN HEAT PART	72.42		
		02/02/23	P6AR005876	01-15.B522	CREDIT MEMO	43.50-		
		02/20/23	PGAC0057570	01-15.B522	SHIPPING FOR BLOCK HEATER	21.75	50.67	104648
Amazon Business	A000296	01/23/23	13F6TQXHNFFYY	01-12.B116	OPS SUPPLIES	18.69		
		01/23/23	13F6TQXHNFFYY	01-12.B117	NP SAFETY SHOES	43.90		
		01/07/23	13L73TMM4NL4	01-12.B117	AG OUTER WEAR	84.08		
		01/10/23	14M11HK67GCX	01-12.B117	AG BOOTS	32.13		
		02/01/23	17NV6DLT19Y4	01-12.B116	BOOT SCRUBBER	43.11		
		01/11/23	1CMXHCT9JDKJ	01-12.B116	WIRELESS CHARGER STAND	19.98		
		01/11/23	1CMXHCT9JDKJ	01-12.B512	TOOL REPLACEMENT	22.32		
		01/12/23	1CMXHCT9LTXX	01-12.B509	BELT PRESS CLN DETERGENT	62.91		
		01/26/23	1D91W1GDJR9G	01-12.B813	PIPE LABELS	79.68		
		01/25/23	1FDKFK1D7VY1	01-14.B117	OA BOOTS	169.95		
		02/03/23	1HTLMJRR49LY	01-12.B113	STICKER DECAL SIGNS	7.99		
		02/03/23	1HTLMJRR49LY	01-12.B117	JB OUTER WEAR	21.99		
		01/29/23	1J1PF1JN41XN	01-12.B116	AIR PURIFIER FILTER KIT	83.36		
		01/10/23	1MW7JKWL9NMJ	01-14.B116	6V FLASHLIGHT BATTERIES	339.90		
		01/20/23	1P3D4P9K7J4C	01-12.B113	02 CALIBRATION GAS	810.00		
		01/22/23	1P7KX6NHJNYD	01-11.B116	CALENDAR	11.69		
		01/25/23	1QGWRJ79V7D	01-14.B117	DJ BOOTS	159.75		
		01/05/23	1RXH1LV44CGJ	01-12.B116	DAILY PLANNER	23.38		
		01/20/23	1V4K4JTF6794	01-11.B116	PETTY CASH BOX REPLACE	28.49		
		01/09/23	1W3KMJWH1QMR	01-12.B117	JB OUTER WEAR	156.97		
		01/20/23	1WF3734R7J1F	01-14.B117	JR WORK SHOE	105.00	2325.27	104649
ATLAS TOYOTA MATERIAL HANDLING	A000525	01/19/23	L77781	01-12.B512	FORKLIFT FILTERS	197.56	197.56	104650
AUTOZONE - AZ COMMERCIAL	A000600	01/11/23	2576247311	01-12.C225	OIL CHANGE SUPPLIES	104.94		
		01/11/23	2576247352	01-12.C225	LS VEH BRAKE RPLC PARTS	551.63		
		01/11/23	2576247494	01-12.C225	PLOWTRK IGNITION COIL	85.99		
		01/12/23	2576248050	01-12.C225	CREDIT WRONG REAR ROTORS	179.27-		
		01/12/23	2576248051	01-12.C225	LS VEH ROTORS	178.18		
		01/16/23	2576250378	01-14.C225	AIR FILTER	12.29		
		01/17/23	2576250917	01-12.C225	OIL CHANGE SUPPLIES	52.56		
		01/17/23	2576251145	01-12.C225	OIL & FILTERS	60.26		
		01/19/23	2576252041	01-11.C225	OIL & FILTER	56.42		
		01/19/23	2576252041	01-12.C225	OIL & FILTER	56.42		
		01/19/23	2576252085	01-11.C225	OIL FOR OIL CHANGE	21.18		
		01/27/23	2576256577	01-14.B116	SUPPLIES	9.38		
		01/30/23	2576258574	01-12.C225	B&G VAN BATTERY	167.39		
		01/30/23	2576258575	01-12.C225	WARRANTY CREDIT	167.39-		
		01/30/23	2576258672	01-12.C225	B&G VAN BATTERY CHARGER	49.99		
		02/01/23	2576259836	01-12.B512	FORKLIFT BATTERY	167.39		
		02/01/23	2576259837	01-12.B512	BATTERY CORE	22.00-	1205.36	064022
BAXTER & WOODMAN, INC.	B000120	01/23/23	0242563	01-14.B902	OUTFALL CONSTRUCTION SVC	1331.25		

01 GENERAL FUND STANDARD CHECK REGISTER FOR 02/14/23

Date: 02/10/23

Time: 8:28am

===== VENDOR =====		===== INVOICE =====						
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		01/23/23	0242565	01-14.B901	CURTISS ST CIPP LINING	200.00		
		01/23/23	0242567	01-11.B124	MISC ENGINEERING SVCS	1755.00		
		01/23/23	0242571	01-12.B812	WWTC & LS CODE REVIEW	7276.69		
		01/23/23	0242574	01-11.B124	MISC ENGINEERING SERVICES	375.00	10937.94	104651
CASSIDY TIRE & SERVICE	C000090	01/17/23	912009662	01-12.B512	GOLF CART CARRYALL TIRES	648.72	648.72	064023
CERTIFIED BALANCE & SCALE CORP	C000130	01/23/23	25453	01-13.B115	LAB EQUIP MAINTENANCE	1631.00	1631.00	064024
CHICAGO METROPOLITAN FIRE	C000240	01/15/23	IN00400730	01-12.B113	RADIO USE/MAINTENANCE	60.00	60.00	064025
CINTAS #344	C000300	01/24/23	4144468162	01-12.B117	WWTC UNIFORMS	411.05		
		01/24/23	4144468162	01-14.B117	SS UNIFORMS	19.17		
		01/31/23	4145139856	01-12.B117	WWTC UNIFORMS	89.88		
		01/31/23	4145139856	01-14.B117	SS UNIFORMS	19.17	539.27	064026
CINTAS FIRST AID & SAFETY	C000320	01/13/23	5140720679	01-11.B113	FIRST AID REPLENISH	304.73	304.73	064027
CLARITAS PROP MGMT	C000331	01/25/23	REIMBURSE	01-05.3001	USER ACCT REFUND	735.85	735.85	064062
CLOVERLEAF TOOL CO	C000335	01/18/23	54091	01-14.B115	ROOT CUTTER REBUILD	1291.28	1291.28	104652
COLE-PARMER	C000345	01/12/23	3345244	01-13.B114	LAB CHEMICALS	482.63	482.63	064028
COMCAST	C000373	01/03/23	877120120550	01-11.B112	BACK UP INTERNET	124.90	124.90	064029
Comcast	C000375	02/01/23	165627189	01-11.B112	INTERNET SERVICE	830.00	830.00	064030
COMED	C000380	01/25/23	6770572011	01-12.B100	WALNUT HSE ELECTRIC	33.89		
		01/25/23	6770572011	01-14.B910	BSSRAP YARD ELECTRIC USE	202.41		
		01/23/23	8762083052	01-12.B100	BIG TOP ELECTRIC	85.83	322.13	064031
CONCENTRIC INTEGRATION, LLC	C000410	01/23/23	0242573	01-11.B115	ADMIN/PLANT NTRK REFRESH	8974.59		
		01/23/23	024259	01-11.B115	2022-2023 SUPPORT SVCS	1914.83		
		01/23/23	024259	01-12.B513	2022-2023 SUPPORT SVCS	3887.67		
		02/01/23	0243203	01-11.B115	T & M IT SERVICES	865.89		
		02/01/23	0243203	01-12.B513	T & M SCADA SERVICES	2348.88		
		02/01/23	0243203	01-15.B529	VENARD COMM FAILURE	1387.00		
		02/07/23	0243239	01-12.B513	WWTC PLC UPGRADE PH 2	1772.50	21151.36	104653
COVERALL NORTH AMERICA, INC	C000557	02/01/23	1010709410	01-11.B118	ADMIN CLEANING	429.00		
		02/01/23	1010709419	01-12.B812	MSB CLEANING	304.00		
		02/01/23	1010709419	01-13.B116	LAB CLEANING	157.00	890.00	104654
CURTIS MARTIN GROUP, INC.	C000660	01/20/23	8634	01-11.B115	DEBUG & FIX BILL PORTAL	600.00	600.00	104655
DELTA SONIC	D000220	01/27/23	INV0002791	01-11.C225	ADMIN CAR WASH	8.33		
		01/27/23	INV0002791	01-12.C225	PLANT CAR WASH	16.66		
		01/27/23	INV0002791	01-14.C225	SS CAR WASH	8.33	33.32	064032
VILLAGE OF DOWNERS GROVE	D000480	01/06/23	5394	01-11.C222	ADMIN FUEL	130.46		
		01/06/23	5394	01-12.C222	PLANT FUEL	1215.20		
		01/06/23	5394	01-13.C222	LAB FUEL	94.25		
		01/06/23	5394	01-14.C222	SS FUEL	1665.32		
		01/24/23	5496	01-11.B121	METER READINGS	475.31	3580.54	064033
EVOQUA WATER TECHNOLOGIES	E000470	01/09/23	905676959	01-12.B503	EXC CLAR SHAFT COUPLINGS	2493.94	2493.94	104656
EYE MED VISION CARE	E000600	02/01/23	1656635025	01-17.E455	VISION INSURANCE	491.78	491.78	064034
FEECE OIL CO.	F000085	01/24/23	3951795	01-15.B104	HOBSON LS DIESEL	1904.21		
		01/24/23	3951796	01-15.B104	NW LS DIESEL	724.83		
		01/24/23	3951797	01-15.B104	BUTTERFIELD LS DIESEL	253.89		
		01/24/23	3951798	01-15.B104	EARLSTON LS DIESEL	143.34		
		01/24/23	3951799	01-15.B104	LIB PARK LS DIESEL	384.93		

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		01/24/23	3951800	01-15.B104	COLLEGE LS DIESEL	225.24		
		01/24/23	3951801	01-15.B104	CENTEX LS DIESEL	94.18		
		01/24/23	3951802	01-15.B104	VENARD LS DIESEL	360.36		
		01/24/23	3951803	01-15.B104	WROBLE LS DIESEL	335.80	4426.78	064035
FIRST ADVANTAGE	F000130	01/31/23	2501402301	01-12.B117	DRUG TEST	70.28	70.28	104657
FIRST ENVIRONMENTAL LAB	F000140	01/17/23	173259	01-13.B123	JAN 2023 MONTHLY NPDES	117.60		
		01/19/23	173294	01-13.B123	JAN 2023 BIOSOLID METALS	288.00	405.60	104658
TODD FREER	F000360	01/20/23	REIMBURSE	01-12.B117	NASSCO TRAINING	1075.00	1075.00	104694
FULLIFE LLC	F000440	01/09/23	67859	01-11.B117	OUTER WEAR	43.67		
		01/09/23	67859	01-12.B117	OUTER WEAR	390.66		
		01/09/23	67859	01-13.B117	OUTER WEAR	354.67	789.00	064036
GASVODA & ASSOCIATES INC.	G000200	01/04/23	INV22MRS0172	01-13.B122	GLS SAMPLER W/BOTTLE	3172.00	3172.00	064037
W. W. GRAINGER, INC.	G000520	01/18/23	8577814735	01-12.B512	SEE SHEET	24.54		
		01/10/23	9568098579	01-12.B813	SEE SHEET	4.53		
		01/10/23	9568098595	01-12.B813	SEE SHEET	15.70		
		01/11/23	9569017859	01-12.B113	SEE SHEET	8.43		
		01/11/23	9569393847	01-12.B117	SEE SHEET	54.76		
		01/11/23	9569969588	01-12.B501	SEE SHEET	74.10		
		01/12/23	9571194407	01-12.B512	SEE SHEET	36.00		
		01/13/23	9573578474	01-12.B813	SEE SHEET	128.98		
		01/16/23	9574291556	01-12.B116	SEE SHEET	22.99		
		01/17/23	9576507371	01-12.B512	SEE SHEET	131.50		
		01/18/23	9576649033	01-12.B813	SEE SHEET	75.48		
		01/18/23	9576649041	01-12.B113	SEE SHEET	293.80		
		01/18/23	9577814727	01-12.B512	SEE SHEET	24.54		
		01/19/23	9578739394	01-12.B813	SEE SHEET	48.94		
		01/19/23	9579666208	01-12.B813	SEE SHEET	15.70		
		01/23/23	9582680865	01-12.B117	SEE SHEET	22.99-		
		01/23/23	9583193207	01-12.B813	SEE SHEET	19.92		
		01/24/23	9583877965	01-12.B116	SEE SHEET	22.99		
		01/24/23	9583933362	01-12.B813	SEE SHEET	9.96		
		01/24/23	9585177687	01-12.B813	SEE SHEET	78.95		
		01/25/23	9586076656	01-12.B813	SEE SHEET	32.58		
		01/25/23	9586076664	01-12.B813	SEE SHEET	21.42		
		01/25/23	9586509243	01-12.B813	SEE SHEET	29.73		
		01/27/23	9589681882	01-13.B116	SEE SHEET	141.44		
		01/30/23	9590963451	01-11.B113	SEE SHEET	88.88		
		01/31/23	9592060348	01-12.B512	SEE SHEET	80.13		
		01/31/23	9592060355	01-12.B116	SEE SHEET	3.57		
		01/31/23	9592217039	01-12.B513	SEE SHEET	28.56		
		01/31/23	9592217047	01-11.B113	SEE SHEET	60.90		
		01/31/23	9592569090	01-12.B813	SEE SHEET	89.19		
		02/02/23	9594359938	01-12.B512	SEE SHEET	60.90		
		02/02/23	9595290595	01-12.B512	SEE SHEET	30.08		
		02/03/23	9596382144	01-12.B512	SEE SHEET	30.08		
		02/03/23	9596382151	01-12.B512	SEE SHEET	48.18		

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W. W. GRAINGER, INC.	G000520	02/03/23	9596382169	01-12.B512	SEE SHEET	15.83		
		02/03/23	9597266080	01-12.B813	SEE SHEET	19.82	1850.11	104659
		02/06/23	9599055515	01-12.B813	SEE SHEET	9.91		
		02/07/23	9599579803	01-11.B113	SEE SHEET	60.90-		
HOME DEPOT	H000400	02/07/23	9599579811	01-11.B113	SEE SHEET	88.88-	139.87-	104660
		01/23/23	194200097656	01-14.B117	SEE SHEET	199.00		
		01/30/23	2022146	01-12.B512	SEE SHEET	93.96		
		01/20/23	2040362	01-12.B502	SEE SHEET	221.28		
		01/10/23	25055628	01-14.B115	SEE SHEET	143.92		
		02/08/23	3041433	01-12.B116	SEE SHEET	201.47		
		01/27/23	5040825	01-12.B812	SEE SHEET	13.96		
		01/16/23	6014436	01-12.B811	SEE SHEET	11.98		
		01/24/23	8040562	01-12.B512	SEE SHEET	157.52		
		02/03/23	8041215	01-12.B803	SEE SHEET	78.78	1121.87	064038
		02/01/23	2301004773	01-11.B100	ADMIN ELECTRIC FINAL	255.51		
HUDSON ENERGY SERVICES, LLC	H000495	02/01/23	2301004773	01-12.B100	PLANT ELECTRIC FINAL	1266.26	1521.77	064039
		02/01/23	R14345	01-11.B115	MONTHLY WEBSITE HOSTING	95.00	95.00	064040
IDEA MARKETING GROUP	I000030	01/19/23	2852197	01-11.B115	COPIER SERVICE	77.00	77.00	104661
IMPACT NETWORKING INC.	I000415	01/21/23	228530	01-11.B121	MAILING PRE RATE CHNG	657.34		
INFOSEND, INC.	I000470	01/31/23	229264	01-11.B121	MAILING POST RATE CHNG	4083.31	4740.65	104662
ISTHA	I000470	01/11/23	G12300004213	01-11.C225	ADMIN TOLLS	40.80		
		01/11/23	G12300004213	01-12.C225	OPS TOLLS	799.15		
		01/11/23	G12300004213	01-13.C225	LAB TOLLS	44.60		
		01/11/23	G12300004213	01-14.C225	SS TOLLS	60.20	944.75	064063
IWEA	I000900	01/23/23	E4929	01-12.B117	SA/RB/BM CONFERENCE	825.00	825.00	064041
John Crane Inc.	J000120	01/23/23	23A055088	01-12.B505	RAW SEWAGE PUMP SEAL PART	1102.43	1102.43	064042
JULIE, INC.	J000250	01/06/23	20230474	01-14.B127	LOCATE SERVICE	3693.21	3693.21	064064
KANSAS CITY LIFE INSURANCE CO	K000045	02/01/23	103839900	01-17.E455	LIFE INSURANCE	398.48	398.48	104663
KODIAK CONTROLS INC.	K000210	02/01/23	VA31L4	01-12.B812	MAINT REPAIR SUPPLIES	114.94	114.94	104664
KOMLINE-SANDERSON	K000230	01/13/23	42055552	01-12.B509	BELT PRESS CYLINDER	2925.26	2925.26	104665
LAI, LTD	L000012	01/14/23	2219968	01-12.B505	EX SEW PUMP 7 PART	323.13	323.13	104666
MAGNETROL INTERNATIONAL INC.	M000101	01/11/23	0921548	01-12.B510	GRSE PIT LEVEL DETECTOR	1764.27	1764.27	064065
MCMASTER-CARR SUPPLY COMPANY	M000360	01/23/23	91502451	01-12.B511	INT PUMP 2 MOTOR BASE	166.04		
		01/23/23	91509035	01-12.B511	INT PUMP 1 MOTOR BASE	178.80		
		01/26/23	91744568	01-12.B505	BAR SCREEN LOCKNUT	28.58		
		01/30/23	91910215	01-12.B113	SUMP PUMP SAFETY CHAINS	138.86		
		01/31/23	91995018	01-12.B113	TUNNEL SUMP PUMP PARTS	487.13	999.41	104667
MENARDS - BOLINGBROOK	M000430	01/17/23	44623	01-12.B812	WWTC OUTDOOR LIGHT PARTS	140.91	140.91	064043
MICHAEL G PHILIPP, PC	M000510	01/10/23	1682	01-11.B124	LEGAL SERVICES	585.00	585.00	064044
MICRO CENTER	M000550	01/26/23	5975731	01-12.B513	DIG 1&2 UPS UNITS	349.97	349.97	104668
MIDAMERICAN ENERGY SERVICES, LLM000554		01/14/23	259825	01-15.B100	LIB PARK ELECTRIC	782.78		
		01/14/23	259827	01-15.B100	BUTTERFIELD ELECTRIC	344.85		
		01/14/23	259828	01-15.B100	EARLSTON LS ELECTRIC	953.34		
		01/23/23	259829	01-15.B100	VENARD LS ELECTRIC	964.17		
		01/14/23	259830	01-15.B100	CENTEX ELECTRIC	189.45		
		01/14/23	259831	01-15.B100	COLLEGE ELECTRIC	812.35		

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MOTION INDUSTRIES, INC.	M000750	01/14/23	259854	01-15.B100	NORTHWEST ELECTRIC	2452.09		
		01/14/23	462517	01-15.B100	WROBLE LS ELECTRIC	1420.68		
		01/14/23	462518	01-15.B100	HOBSON LS ELECTRIC	3956.36	11876.07	104669
		01/16/23	IL1000750842	01-12.B505	EXCSS FLOW PMP 7 OVERHAUL	170.70		
		01/17/23	IL1000751036	01-12.B505	EXC SEW PUMP 7 PART	2691.79		
		01/20/23	IL1000751356	01-12.B504	GRIT PUMP 2 SEAL & BALL	345.72		
		01/20/23	IL1000751357	01-12.B504	GRIT PUMP 2 BALL BEARINGS	721.52		
		01/30/23	IL1000751980	01-12.B504	GRIT PUMP 2 DRIVE BELT	324.88		
		02/01/23	IL1000752149	01-12.B505	EXC SEW PUMP 7 PARTS	391.24	4645.85	104670
MUNCH'S SUPPLY CO., INC.	M000800	02/08/23	S7741389001	01-12.B802	HYPO BLDG UNIT HEATER	1254.33	1254.33	064045
NCPERS GROUP LIFE INSURANCE	N000010	01/01/23	3266022023	01-00.2017	VOLUNTARY LIFE INSURANCE	256.00	256.00	104671
NALCO WATER PRETREATMENT	N000030	12/30/22	2692559	01-13.B116	LAB SUPPLIES	211.68		
		01/01/23	2695043	01-13.B115	DEIONIZER RENTAL	32.22		
		01/01/23	3695044	01-13.B115	DEIONIZER SYSTEM RENTAL	145.80	389.70	104672
NAPA AUTO PARTS	N000040	12/16/22	4343814028	01-12.C225	TAIL LIGHT BULBS	14.50		
		01/20/23	4343819045	01-12.B501	MSB SUPPLIES	46.93	61.43	064046
NAPCO STEEL, INC.	N000050	01/12/23	463393	01-12.B501	AUGER PLATE FOR STOCK	563.10		
		01/12/23	463394	01-12.B811	SND FLTR BLDG DUCT PLATE	426.90	990.00	104673
NEUCO, INC.	N000260	01/24/23	6549840	01-12.B510	HEAT EXC 4 GAS VALVE BODY	853.86		
		02/01/23	6577969	01-12.B812	DAMPER MTR LAB FUME HOOD	773.09	1626.95	104674
NICOR GAS	N000330	01/13/23	15876210004	01-12.B101	PLANT GAS	574.24		
		01/13/23	44976210003	01-12.B101	PLANT 2 GAS	543.72		
		01/13/23	51006900008	01-12.B101	CHEM FEED GAS	494.90		
		01/13/23	54976210002	01-11.B101	ADMIN CTR GAS	423.80		
		01/13/23	87801017812	01-12.B101	WALNUT HSE GAS	254.48	2291.14	064047
NISSEN ENERGY INC	N000350	01/16/23	299	01-12.B513	CHP 1&2 MAINT PARTS	1162.76		
		01/27/23	300	01-12.B513	CHPS 1 & 2 SPARK PLUG	2269.28	3432.04	104675
NORTHERN TOOL & EQUIPMENT	N000560	01/31/23	119024	01-12.B812	GANTRY CRANE/TROLLEYS CHP	5858.13	5858.13	104676
Northwest Electric Motor Co.	N000565	01/23/23	2301088	01-12.B506	PRIM 6 CROSS COLL MOTOR	368.93		
		01/26/23	2301121	01-12.B505	EXC SEW PUMP 7 MTR REPAIR	4350.00	4718.93	064048
NOVALYNX CORPORATION	N000710	02/03/23	59144	01-12.B513	WEATHER STATION REPAIR	345.00	345.00	104677
VILLAGE OF OAK BROOK	O000050	01/23/23	25316	01-11.B121	AUG/OCT/DEC METER READING	576.38	576.38	064049
PACKEY WEBB FORD	P000020	01/16/23	164249	01-12.C225	SIDE MIRROR REPLACE	192.50	192.50	104678
PERIMETER ACCESS	P000280	01/09/23	2300171IN	01-12.B812	WWTC GATE CNTRL BOARD	478.80	478.80	064050
PETTY CASH	P000350	02/08/23	CASH BOX	01-11.B116	BUSINESS CARDS BSSRAP	37.18		
		02/08/23	CASH BOX	01-11.B119	POSTAGE	4.41		
		02/08/23	CASH BOX	01-12.B117	CDL RENEWAL	30.00	71.59	064051
PIRTEK O'HARE	P000380	01/13/23	BOT00012574	01-14.B115	VACCON AIR LINE REPL PART	17.28		
		02/08/23	BOT00012870	01-12.B513	CHP 2 PARTS	88.49	105.77	064052
POLYDYNE INC.	P000395	01/19/23	1707676	01-12.B402	BELT PRESS POLYMER	3074.04	3074.04	104679
PORTER PIPE AND SUPPLY CO.	P000420	02/06/23	1253400600	01-12.B510	HEAT EXCHANGER 4 PARTS	556.09		
		01/31/23	1253623500	01-12.B113	TUNNEL SUMP PIT PARTS	899.60		
		02/08/23	1254051500	01-12.B503	PVC CAP	113.26	1568.95	104680
PRINCIPAL LIFE INSURANCE CO	P000650	01/18/23	109309910001	01-17.E455	DENTAL INSURANCE	2615.04	2615.04	104681
RED WING SHOE STORE	R000180	01/12/23	126856	01-14.B117	DC BOOTS	148.74		
		01/20/23	127205	01-12.B117	EB BOOTS	229.49	378.23	104682

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Republic Services #551	R000264	01/15/23	055101559927	01-12.B102	GRIT SCREEN DUMPSTER	72.36		
		01/31/23	055101561298	01-12.B102	GRIT SCREEN DUMPSTER	855.07	927.43	064053
REVERE ELECTRIC	R000275	01/16/23	S4839239001	01-12.B812	WWTC OUTDOOR LIGHT SUPPLY	297.25		
		01/16/23	S4839239002	01-12.B512	WWTC OUTDOOR LIGHT SUPPLY	492.90		
		01/17/23	S4839239003	01-12.B812	WWTC OUTDOOR LIGHT SUPPLY	207.85		
		02/06/23	S4853221001	01-12.B812	MSB ELEC CODE UPDATES	43.54	1041.54	064054
ROADSAFE	R000360	10/31/22	RT409539	01-14.B910	TRAFFIC CONTROL	1750.00	1750.00	064055
SEAWAY SUPPLY CO.	S000200	09/16/22	18672001	01-12.B113	DRIVING GLOVES	94.60		
		01/24/23	18922101	01-12.B512	MSB SUPPLIES	261.72		
		01/25/23	191186	01-12.B116	MSB SUPPLIES	270.80		
		01/26/23	19118601	01-12.B116	MSB SUPPLIES	32.94		
		02/01/23	191485	01-12.B116	RETURN CREDIT	3.60-	656.46	104683
SERPENTIX CONVEYOR CORP.	S000230	01/20/23	22295	01-12.B504	GRIT BLDG 20" BELT PAN	1484.95	1484.95	064066
SEYFARTH SHAW	S000280	01/20/23	4142236	01-11.B124	LEGAL SERVICES	2523.75	2523.75	104684
CARLY SHAW	S000305	01/18/23	REIMBURSE	01-11.B117	SUPS LUNCH	91.77		
		01/23/23	REIMBURSE2	01-11.B117	TRAINING CLASS	199.00	290.77	104685
SHERWIN-WILLIAMS CO.	S000320	01/10/23	86278	01-12.B802	SAFETY YELLOW PAINT	147.74	147.74	104686
SOCIETY FOR HUMAN	S000440	01/27/23	S02279609	01-11.B117	CS MEMBERSHIP RENEWAL	244.00	244.00	104687
SOLENIS LLC	S000450	01/09/23	132219271	01-12.B402	WAS THICKNER POLYMER	3192.80	3192.80	104688
STAPLES INC.	S000640	01/20/23	3529173625	01-11.B116	OFFICE SUPPLIES	63.20		
		01/20/23	3529173627	01-12.B116	FOLDERS	29.70		
		01/20/23	3529173627	01-14.B116	PENS	10.44		
		01/24/23	3529173628	01-11.B116	OFFICE SUPPLIES	45.50		
		01/27/23	3529173629	01-11.B116	OFFICE SUPPLIES	42.04	190.88	104689
STEPHENS PLUMBING AND	S000680	01/10/23	255294	01-14.B910	SHEAR REPAIR	442.60		
		01/25/23	255686	01-14.B910	SHEAR REPAIR	386.70	829.30	064056
SUBURBAN DOOR CHECK & LOCK	S000850	01/17/23	IN555145	01-12.B116	KEYS FOR AARON	13.81	13.81	104690
USABBLUEBOOK	U000150	01/03/23	220464	01-13.B116	POLISHER CARTRIDGE	980.20		
		01/27/23	250856	01-13.B114	LAB SUPPLIES	109.50	1089.70	064057
UNITED PARCEL SERVICE	U000300	01/14/23	00003Y009102	01-13.B116	SHIPPING SERVICE	60.86	60.86	064058
UNO CONSTRUCTION CO., INC.	U000450	01/31/23	JANUARY2023	01-14.B910	BSSRAP PROGRAM	86730.79	86730.79	104691
VERIZON WIRELESS	V000135	01/28/23	9926451194	01-11.B112	ADMIN CELL SERVICE	256.50		
		01/28/23	9926451194	01-12.B112	PLANT CELL SERVICE	926.27		
		01/28/23	9926451194	01-13.B112	LAB CELL SERVICE	147.90		
		01/28/23	9926451194	01-14.B112	SS CELL SERVICE	483.46		
		01/28/23	9926451194	01-15.B112	LS CELL SERVICE	279.81		
		02/01/23	9926624428	01-12.B112	PLANT TABLET SERVICE	165.45		
		02/01/23	9926624428	01-14.B112	SS TABLET SERVICE	40.08		
		02/01/23	9926624428	01-15.B112	LS TABLET SERVICE	36.01	2335.48	064059
WAGNER COMMUNICATIONS, INC	W000070	02/01/23	000028061791	01-11.B112	ANSWERING SERVICE	487.70	487.70	104692
WASTE MANAGEMENT SERVICES, INC.	W000170	02/03/23	000963720099	01-12.B102	GARBAGE & RECYCLING	492.67	492.67	064067
WESTFAX	W000350	02/01/23	1411645	01-11.B112	FAXING SERVICE	8.99	8.99	104693
WEST SIDE TRACTOR SALES CO.	W000380	01/16/23	N33146	01-12.B501	REPLACE FILTERS/BCK ALARM	490.04		
		02/01/23	RADIO	01-12.B501	JOHN DEERE RADIO INSTALL	1000.00	1490.04	064060
VILLAGE OF WESTMONT	W000450	01/30/23	718059	01-11.B121	METER READINGS	370.01	370.01	064061
						=====	=====	
Total Payments:						237903.74	237903.74	
ACH Payments Total:						184895.17	.00	
Check Payments Total:						53008.57	237903.74	

01 GENERAL FUND MANUAL CHECK REGISTER FOR 02/14/23

Date: 02/10/23

Time: 8:28am

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
CHASE	B000050	01/07/23	EMPLPR010723	01-00.2000	FEDERAL TAX WITHHELD	9275.30		
		01/07/23	EMPLPR010723	01-00.2002	EMPLY TAX WITHHELD	6817.27		
		01/07/23	EMPLPR010723	01-17.E461	EMPLR SOC SEC WITHHELD	6817.23	22909.80	104626
CHASE	B000050	01/15/23	SUPVPR011523	01-00.2000	FEDERAL TAX WITHHELD	3567.27		
		01/15/23	SUPVPR011523	01-00.2002	EMPLY SOC SEC WITHHELD	2514.67		
		01/15/23	SUPVPR011523	01-17.E461	EMPLR SOC SEC WITHHELD	2514.66	8596.60	104630
CHASE	B000050	01/21/23	EMPLPR012123	01-00.2000	FEDERAL TAX WITHHELD	8657.70		
		01/21/23	EMPLPR012123	01-00.2002	EMPLY SOC SEC WITHHELD	6615.24		
		01/21/23	EMPLPR012123	01-17.E461	EMPLR SOC SEC WITHHELD	6615.26	21888.20	104634
CHASE	B000050	01/31/23	SUPVPR013123	01-00.2000	FEDERAL TAX WITHHELD	3874.88		
		01/31/23	SUPVPR013123	01-00.2002	EMPLY TAX WITHHELD	2860.25		
		01/31/23	SUPVPR013123	01-17.E461	EMPLR SOC SEC WITHHELD	2860.23	9595.36	104639
D.G. SANIT DIST #XXXXXXXXX1117	D000400	02/15/23	REIMBURSE	01-00.1001	PAYROLL ACCT REIMBURSE	160277.29	160277.29	104644
D.G. SANIT DIST #XXXXXXXXX1114	D000420	01/25/23	REFUNDS	01-05.3001	REFUNDS	1376.57	1376.57	104643
D.G. SANIT DIST #XXXXXXXXX1112	D000440	02/08/23	REIMBURSE	01-11.C225	TOLLS	12.30		
		02/08/23	REIMBURSE	01-12.B117	MR HOLLOWAY JACKET	60.00		
		02/08/23	REIMBURSE	01-14.B910	BSSRAP ROD FEE	800.00	872.30	104646
VILLAGE OF DOWNERS GROVE	D000480	01/18/23	0018203	01-12.B104	UNDER/ABOVE GRND STORAGE	210.00	210.00	064018
DUPAGE CREDIT UNION	D000650	01/07/23	EMPLPR010723	01-00.2013	EMPL AUTHORIZED W/HOLDING	2419.00	2419.00	104625
DUPAGE CREDIT UNION	D000650	01/21/23	EMPLPR012123	01-00.2013	EMPL AUTHORIZED W/HOLDING	2419.00	2419.00	104633
HR Training Center	H000183	01/18/23	TRAINING	01-11.B117	CS HR TRAINING	2195.00	2195.00	064019
HEALTH CARE SERVICE CORP.	H000190	01/19/23	165585	01-17.E455	HEALTH INSURANCE	51982.63	51982.63	104629
ILLINOIS DEPARTMENT OF REVENUE	I000240	01/07/23	EMPLPR010723	01-00.2001	STATE TAX WITHHELD	4090.16	4090.16	104627
ILLINOIS DEPARTMENT OF REVENUE	I000240	01/15/23	SUPVPR011523	01-00.2001	STATE TAX WITHHELD	1542.78	1542.78	104631
ILLINOIS DEPARTMENT OF REVENUE	I000240	01/21/23	EMPLPR012123	01-00.2001	STATE TAX WITHHELD	3968.54	3968.54	104635
ILLINOIS DEPARTMENT OF REVENUE	I000240	01/31/23	SUPVPR013123	01-00.2001	STATE TAX WITHHELD	1760.94	1760.94	104640
ILLINOIS MUNICIPAL	I000300	01/30/23	PENSION	01-00.2003	EMPL PENSION DEPOSIT	10850.33		
		01/30/23	PENSION	01-00.2014	EMPL VOL PENSION DEPOSIT	11024.52		
		01/30/23	PENSION	01-17.E460	EMPLR VOL PENSION DEPOSIT	16130.83	38005.68	104642
INVOICE CLOUD	I000750	01/31/23	60720231	01-11.B121	BILLING PORTAL	600.30	600.30	104645
MIDAMERICA ADMIN HRA ACCOUNT	M000557	01/27/23	HRA FUND	01-17.E455	HRA FUND	700.00	700.00	104637
NCPERS GROUP LIFE INSURANCE	N000010	01/18/23	3266012023	01-00.2017	VOL LIFE INSURANCE	272.00	272.00	064020
TRANSAMERICA RETIREMENT	T000415	01/07/23	EMPLPR010723	01-00.2026	DEF COMP IPPFA	358.73		
		01/07/23	EMPLPR010723	01-00.2027	DEF COMP ROTH IPPFA	200.00		
		01/07/23	EMPLPR010723	01-00.2028	DEF COMP LOAN REPAY IPPFA	145.35	704.08	104628
TRANSAMERICA RETIREMENT	T000415	01/15/23	SUPVPR011523	01-00.2026	DEF COMP IPPFA	115.68		
		01/15/23	SUPVPR011523	01-00.2027	DEF COMP ROTH IPPFA	40.00		
		01/15/23	SUPVPR011523	01-00.2028	DEF COMP LOAN REPAY IPPFA	77.06	232.74	104632
TRANSAMERICA RETIREMENT	T000415	01/21/23	EMPLPR012123	01-00.2026	DEF COMP IPPFA	296.09		
		01/21/23	EMPLPR012123	01-00.2027	DEF COMP ROTH IPPFA	200.00		
		01/21/23	EMPLPR012123	01-00.2028	DEF COMP LOAN REPAY IPPFA	145.35	641.44	104636
TRANSAMERICA RETIREMENT	T000415	01/31/23	SUPVPR03123	01-00.2026	DEF COMP IPPFA	115.72		
		01/31/23	SUPVPR03123	01-00.2027	DEF COMP ROTH IPPFA	40.00		
		01/31/23	SUPVPR03123	01-00.2028	DEF COMP LOAN REPAY IPPFA	77.06	232.78	104641
U.S. POSTAL SERVICE	U000130	01/26/23	REFILL	01-11.B119	POSTAGE REFILL	1000.00	1000.00	104638
						=====	=====	
Total Payments:						338493.19	338493.19	
ACH Payments Total:						336088.19	.00	
Check Payments Total:						2405.00	338493.19	

===== VENDOR =====			===== INVOICE =====						
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO	

DATE _____

REVIEWED _____

TRUSTEE APPROVAL _____

PRESIDENT

CLERK

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-00.1000	CASH		576396.93-
01-00.1001	CASH - PAYROLL ACCOUNT	160277.29	
01-00.2000	FEDERAL TAX WITHHELD	25375.15	
01-00.2001	STATE TAX WITHHELD	11362.42	
01-00.2002	SOCIAL SECURITY WITHHELD	18807.43	
01-00.2003	IMRF WITHHELD	10850.33	
01-00.2013	CREDIT UNION WITHHELD	4838.00	
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	11024.52	
01-00.2017	VOLUNTARY GROUP LIFE	528.00	
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	886.22	
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH	480.00	
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD	444.82	
01-05.3001	USER RECEIPTS	2112.42	
01-11.B100	ELECTRICITY	255.51	
01-11.B101	NATURAL GAS	423.80	
01-11.B110	BANK CHARGES	31.00	
01-11.B112	COMMUNICATION	1708.09	
01-11.B113	EMERGENCY/SAFETY EQUIPMENT	304.73	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	12527.31	
01-11.B116	SUPPLIES	228.10	
01-11.B117	EMPLOYEE/DUTY COSTS	2773.44	
01-11.B118	BUILDING AND GROUNDS	429.00	
01-11.B119	POSTAGE	1004.41	
01-11.B121	USER BILLING MATERIALS	6762.65	
01-11.B124	CONTRACT SERVICES	5238.75	
01-11.C222	GAS/FUEL	130.46	
01-11.C225	OPERATION/REPAIR	139.03	
01-12.B100	ELECTRICITY	1385.98	
01-12.B101	NATURAL GAS	1867.34	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	1420.10	
01-12.B104	FUEL - GENERATORS	210.00	
01-12.B112	COMMUNICATION	1091.72	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	2800.41	
01-12.B116	SUPPLIES	783.19	
01-12.B117	EMPLOYEE/DUTY COSTS	3924.20	
01-12.B402	CHEMICALS - SLUDGE DEWATERING	6266.84	
01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	2174.17	
01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	221.28	
01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	2607.20	
01-12.B504	EQPT/EQPT REPAIR - GRIT REMOVAL	2877.07	
01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	9057.87	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	368.93	
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	2988.17	
01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	3174.22	
01-12.B511	EQPT/EQPT REPAIR - TERTIARY TREATMENT	344.84	
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	2501.87	

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	12253.11	
01-12.B802	BLDG AND GROUNDS - DISINFECTION	1402.07	
01-12.B803	BLDG AND GROUNDS - EXCESS FLOW	78.78	
01-12.B811	BLDG AND GROUNDS - TERTIARY TREATMENT	438.88	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	15509.16	
01-12.B813	BLDG AND GROUNDS - WWTC UTILITIES	680.49	
01-12.C222	GAS/FUEL	1215.20	
01-12.C225	OPERATION/REPAIR	1983.51	
01-13.B112	COMMUNICATION	147.90	
01-13.B114	CHEMICALS	592.13	
01-13.B115	EQUIPMENT/EQUIPMENT REPAIR	1809.02	
01-13.B116	SUPPLIES	1551.18	
01-13.B117	EMPLOYEE/DUTY COSTS	354.67	
01-13.B122	MONITORING EQUIPMENT	3172.00	
01-13.B123	OUTSIDE LAB SERVICES	405.60	
01-13.C222	GAS/FUEL	94.25	
01-13.C225	OPERATION/REPAIR	44.60	
01-14.B112	COMMUNICATION	523.54	
01-14.B115	EQUIPMENT/EQUIPMENT REPAIR	1452.48	
01-14.B116	SUPPLIES	359.72	
01-14.B117	EMPLOYEE/DUTY COSTS	854.78	
01-14.B127	JULIE SYSTEM	3693.21	
01-14.B901	SEWER SYSTEM REPAIRS - I/I PROGRAM	200.00	
01-14.B902	SEWER SYSTEM REPAIRS - REPLACEMENT	1331.25	
01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	90312.50	
01-14.C222	GAS/FUEL	1665.32	
01-14.C225	OPERATION/REPAIR	80.82	
01-15.B100	ELECTRICITY	11876.07	
01-15.B104	FUEL - GENERATORS	4426.78	
01-15.B112	COMMUNICATION	315.82	
01-15.B522	EQPT/EQPT REPAIR - COLLEGE	50.67	
01-15.B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	1387.00	
01-17.E455	EMPLOYEE GROUP HEALTH	56187.93	
01-17.E460	IMRF	16130.83	
01-17.E461	SOCIAL SECURITY	18807.38	
		=====	
		576396.93	576396.93-

Vendor	Invoice Date	Amount	Coding	Coding Description	Purchase Location	Emp.	Procurement	Project Name (If applicable)	Item Description
Grainger	01/18/23	\$24.54	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	MR	Same	Replacement Tool (Marco Dropped in Tank)	LED Flashlight
Grainger	01/18/23	\$24.54	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	MR	Trip	Replacement Tool (Rolf Lost)	LED Flashlight
Grainger	01/10/23	\$4.53	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MJ			(3) Pipe Markers
Grainger	01/19/23	\$15.70	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Pipe markers for tunnels/plant
Grainger	01/10/23	\$8.43	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	AC		Safety Equipment Item	(3) Stainless Steel Spring Latch for Lifting Hooks
Grainger	01/11/23	\$54.76	01-11.B117	EMPLOYEE/DUTY COSTS	Delivered	JB		Employee Duty	Rain Suit for Rolf
Grainger	01/11/23	\$74.10	01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	Delivered	JM			Replacement backup alarm for JD 544
Grainger	01/12/23	\$36.00	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Pipe Thread Tape & Anti-Seize Compound
Grainger	01/13/23	\$128.98	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Pipe Markers
Grainger	01/16/23	\$22.99	01-12.B116	WWTC SUPPLIES	Delivered	MM			Tap Wrench
Grainger	01/17/23	\$131.50	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	RF		Electrical Repair Supplies	(5) Photo Eye Controls - Outdoor Lighting
Grainger	01/18/23	\$75.48	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Filters & Pipe Markers
Grainger	01/18/23	\$293.80	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	MM			Nitrile gloves for BIO and OPS
Grainger	01/18/23	\$24.54	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	MM			Handheld Flashlight
Grainger	01/19/23	\$48.94	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Label maker printer tape for pipe marking
Grainger	01/19/23	\$15.70	01-15.B813	EQUIP/EQUIP REPAIR - LIFT STATIONS GENERAL	Delivered	MM			Pipe Marker
Grainger	01/23/23	-\$22.99	01-12.B117	EMPLOYEE/DUTY COSTS		ST			Tap Wrench Return
Grainger	01/23/23	\$19.92	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Pipe Markers
Grainger	01/24/23	\$22.99	01-12.B116	WWTC SUPPLIES	In-Store	ST			Tap Wrench
Grainger	01/24/23	\$9.96	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Pipe Markers
Grainger	01/24/23	\$78.95	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Pipe Markers
Grainger	01/25/23	32.58	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Labels
Grainger	01/25/23	\$21.42	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Numbers & Letters
Grainger	01/31/23	\$29.73	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Pipe markers for tunnels/plant
Grainger	01/27/23	\$141.44	01-13.B116	LAB SUPPLIES	Delivered	DRB		lab cleaning supplies	mop bucket and lab shower testing sleeve
Grainger	01/30/23	\$88.88	01-11.B113	ADMIN SAFETY	Delivered	JG			Mens Traction Device
Grainger	01/31/23	\$80.13	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Hardware & Drill Bits
Grainger	01/31/22	\$3.57	01-12.B116	WWTC SUPPLIES	Delivered	MM		Scraper for grit pans	Plastic scrapers
Grainger	01/31/23	\$28.56	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Pipe markers for tunnels/plant
Grainger	01/31/23	\$60.90	01-11.B113	ADMIN SAFETY	Delivered	JG			Ice Cleats
Grainger	01/31/23	\$89.19	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Pipe Markers
Grainger	02/02/23	\$60.90	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Plumbing & Hardware Supplies
Grainger	02/03/23	\$30.08	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	RF		Electrical Test Meter Probes (Rolf)	Multi-Meter Test Probes
Grainger	02/02/23	\$30.08	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	MR		Electrical Test Meter Probes (Marco)	Multi-Meter Test Probes
Grainger	02/03/23	\$48.18	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	JM		Maintenance Repair Supplies	(100) Concrete Anchors
Grainger	02/03/23	\$15.83	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Drill Bits
Grainger	02/03/22	\$19.82	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Pipe Marker
Grainger	02/06/23	\$9.91	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MM			Pipe Marker
Grainger	02/07/23	-\$60.90	01-11.B113	ADMIN SAFETY	Delivered	JG			Ice Cleats
Grainger	02/07/23	-\$88.88	01-11.B113	ADMIN SAFETY	Delivered	JG			Traction Device Return
Home Depot	01/23/23	\$199.00	01-11.B117	Dwayne Carpenter Outerwear Account	In-Store	DC		Employee Outerwear	Milwaukee jacket with a built-in electric heater
Home Depot	01/30/23	\$93.96	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	RF		Replacement Tools (Electrical & Lift Station Trucks)	(2) Propane Torches
Home Depot	01/20/23	\$221.28	01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	In-Store	AC		Bisulfite Building Piping Repairs	3/4" PEX Tubing & SharkBite Fittings
Home Depot	01/10/23	\$143.92	01-14.B115	SEWER SYSTEM EQUIPMENT/EQUIPMENT REPAIR	In-Store	AH			locking storage tote for each SSTs protective helmet and accoutrements
Home Depot	02/08/23	\$201.47	01-12.B116	WWTC SUPPLIES	In-Store	FF		Supplies	(3) Push Brooms, (3) Squeegees, Duct & Painters Tape
Home Depot	01/27/23	\$13.96	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	MR		Painting Supplies - Electrical Panels	(2) Cans Gray Spray Paint
Home Depot	01/16/23	\$11.98	01-12.B811	BLDG & GROUNDS - TERTIARY TREATMENT	In-Store	JM			Construction adhesive
Home Depot	01/24/23	\$157.52	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	MR		Electrical Repair Supplies & Tool Replacement	50' - 1/2" Heavy Wall Conduit & Wire Strippers
Home Depot	02/03/23	\$78.78	01-12.B803	BLDG & GROUNDS - EXCESS FLOW	In-Store	ST			Torch & Gloves

Date: 2/8/2023
Due Date: 2/14/2023
Invoice #: Reimburse

Petty Cash Checking Reimbursement

D-440

Date	Purchased From	Description	Code	Amount	Ck No.
1/9/2023	Holy Cow Sports	MR Holloway Jacket	12B117	60	3829
1/13/2023	James Swanson	BSSRAP RODDING FEE REFUND	14B910	400	3828
2/2/2023	IL Tollway	Tolls	11C225	12.3	3830
2/7/2023	Erik Kunz	BSSRAP RODDING FEE REFUND	14B910	400	3831

Total Receipts/Reimbursement	<u>872.30</u>
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Expense by code

11C225	12.30
12B117	60.00
14B910	800.00

Total	872.30
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Date: 2/8/2023

Petty Cash Reimbursement

P - 350

Due Date: 2/14/2023

Invoice #: Cash Box

Date	Purchased From	Reimbursed To	Description	Code	Amount
1/18/23	DMV	B. Meng	CDL Renewal	12B117	30.00
1/20/23	USPS	Megan	Postage	11B119	2.10
2/1/23	USPS	Megan	Postage	11B119	1.61
2/3/23	USPS	Megan	Postage	11B119	0.70
2/8/23	Vista Print	Carly	Business Cards for Bssrap	11B116	37.18
			Total Receipts		71.59

Expense by code

11B119	4.41
12B117	30.00
11B116	37.18

DOWNERS GROVE SANITARY DISTRICT

M E M O

DATE: February 10, 2023
TO: Board of Trustees
FROM: Amy R. Underwood
General Manager
RE: Five-Year Financial Plan

Enclosed please find copies of the following items:

1. Five-year financial plan for Fiscal Years 2023-2024 to 2027-2028.
2. Notice of availability of Appropriation Ordinance/Budget for public review.
3. Revised Budget Calendar.
4. Appropriation Ordinance for Fiscal Year 2023-2024.

Staff will review these documents with the Board at the February 14 meeting. We will be seeking Board approval to publish the notice of availability in the Downers Grove Suburban Life on February 16. Final action is scheduled for the March 21 Board meeting.

cc: KJR, RTJ, MJS, MGP, CS

DOWNERS GROVE SANITARY DISTRICT
FIVE YEAR FINANCIAL PLAN
FISCAL YEARS 2023-2024 TO 2027-2028

Proposed 02/14/2023

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Introduction

This five-year plan presents recommended expenditures and revenues necessary to meet the operation, maintenance, replacement, capital improvement and debt service requirements of the District over the five-year period from May 1, 2023 to April 30, 2028. The plan contains separate projections for the combined General Corporate and Replacement Fund (operation, maintenance and replacement needs), the Construction Fund (Wastewater Treatment Center capital improvements), the Improvement Fund (sewer system and pump station capital improvements) and the Public Benefit Fund. A brief overview of each of these separate projections is provided below.

General Corporate Fund – This plan treats the Replacement Fund as a designated portion of the General Corporate Fund. The balance in the Replacement Fund is maintained throughout the five-year period at the April 30, 1991, level of \$820,000. This treatment allows major replacements to be included in the operation and maintenance budget of the General Corporate Fund, allows all interest earned on the Replacement Fund to be fully utilized, and applies the balance in the Replacement Fund towards meeting the minimum recommended working balance in the General Corporate Fund.

The plan includes expenditures for the replacement and rehabilitation of the wastewater collection system, including building service repairs to help control sewer system backups and overflows. The goal is to sustain annual replacement and rehabilitation expenses at a level equal to 1.0% of the replacement value of the sewer infrastructure. Expenses include the portion of ARRA loan repayments to the Illinois Environmental Protection Agency (IEPA) associated with sewer rehabilitation work previously conducted with ARRA loan funding.

Planned replacements and major maintenance items for non-sewer fixed assets necessary for continued reliable operation are identified. The FY 2023-24 non-sewer annual replacement, rehabilitation and upgrade expenses budget for all funds represents about 320% of the FY 2021-22 annual depreciation of non-sewer fixed assets. This percentage is much higher than in previous years due to delayed construction projects which resulted in budgeted expenses being carried over to the next fiscal year.

The user rate is proposed to increase from the current level of \$2.05 per 1,000 gallons to \$2.25 per 1,000 gallons in FY 2023-24 with proposed increases varying between \$0.30 and \$1.00 per 1,000 gallons over the subsequent four years. Monthly service fees are proposed to increase from the current amount of \$19.00 to \$20.00 in FY 2023-24 with a \$1.00 increase projected in FY 2024-25 and a \$1.50 increase projected in both FY 2025-26 and FY 2026-27. The combined user rate and monthly service fee increases implemented in FY 2022-23 and the proposed increases for FY 2023-24 through FY 2027-28 are higher rate and fee increases than the District has historically implemented. The higher increases are needed due to current inflation in the cost of goods and services which the District has experienced in the past few years and planned increases that have been shared with District Staff from vendors. The higher increases are also needed to address aging infrastructure and the recommended improvements in the Baxter & Woodman (B&W) WWTC and lift station code review report which was completed in FY 2022-23. The increases also continue to accommodate the desired levels of sewer system replacement and rehabilitation expenditures while keeping up with inflation. The proposed rate increase in FY 2027-28 is much higher than what is proposed in the previous years due to the anticipated addition of chemicals for phosphorus removal, as scheduled in the District's current NPDES permit. The surcharge rates are proposed to be increased for an

average surcharge customer by 10% - 11% annually over the five-year period. The surcharge rate increases are planned to gradually bring the costs per pound of biological oxygen demand (BOD) and per pound of total suspended solids (TSS) up to the match the cost of service. Other user charges such as sampling and monitoring charges will increase as the cost to provide services increases with inflation. The rates for hauled grease waste are also proposed to increase in FY 2023-24.

Construction Fund – The Construction Fund is utilized for improvements and additions at the WWTC, including purchasing of adjacent property. Gas detection and alarming systems are proposed to be installed in FY 2023-24. Improvements to biosolids processing are planned for FY 2023-24 through FY 2024-25. Improvements to the digester gas safety equipment are planned in FY 2024-25. Design and construction of a chemical feed system for phosphorus removal are planned in FY 2025-26 through FY 2027-28.

The primary source of revenue for the Construction Fund has historically been sewer permit fees. Starting in FY 2024-25, additional revenue to the Construction Fund will include transfers from the General Corporate Fund. This is necessary as the cost of addressing aging infrastructure and other needs at the wastewater treatment center is expected to outpace the revenue received from sewer permit fees.

Improvement Fund – The Improvement Fund is used for sewer additions and sewer and lift station capital improvements as well as to finance special assessments extending sewers into unsewered areas, with funds repaid by the owners of properties benefited by the new sewers using vouchers. Construction of the Centex Lift Station is expected to start late in FY 2022-23 and finish in FY 2023-24. Replacement of a portion of the Venard Lift Station force main is planned for FY 2023-24. Replacement of a portion of the Wroble Lift Station force main is planned for FY 2025-26. Replacement of the Butterfield Lift Station is planned for FY 2027-28.

The primary sources of revenue to the Improvement Fund have historically been trunk and lateral sewer service charges. Starting in FY 2021-22, additional revenue to the Improvement Fund will include transfers from the General Corporate Fund. This is necessary as the cost of address aging infrastructure at the lift stations is outpacing the revenue received from trunk and lateral sewer service charges.

Public Benefit Fund – The public benefit fund may only be used to pay for the portion of sewer extensions or sewer special assessments which the Board of Trustees deems to be of benefit to an area larger than the immediate service area.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2023-2024 to 2027-2028

EXHIBIT 1

	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28
	Actual	Actual	Actual	Actual	Budget	Projected Actual	Budget	Appropriation	Projected	Projected	Projected	Projected
11. Administration												
A. Salary & Wages												
001. Trustees	\$18,000	\$18,000	\$18,000	\$18,000	\$18,000	\$18,000	\$18,000		\$18,000	\$18,000	\$18,000	\$18,000
002. B.O.L.I.	0	0	0	0	900	0	900		900	900	900	900
003. General Management	234,862	345,560	242,887	222,921	256,600	246,810	272,250		288,600	300,100	312,150	324,600
004. Financial Records	197,403	203,039	198,066	204,280	211,350	199,620	254,450		269,700	280,500	291,750	303,400
005. Administrative Records	49,549	28,343	25,335	26,371	27,250	24,180	24,900		26,400	27,450	28,550	29,700
006. Engineering		7,067	4,503	3,677	5,150	9,860	4,250		4,500	4,700	4,900	5,100
007. Code Enforcement	375,864	420,277	366,512	332,411	367,100	373,240	430,700		456,500	474,800	493,750	513,500
008. Safety Activities	810	11,895	27,658	35,868	48,000	35,420	49,500		52,500	54,600	56,800	59,050
030. Building & Grounds	1,333	605	1,006	1,133	1,350	6,540	1,150		1,200	1,250	1,300	1,350
085. Incentive				2,025	0	0	0		0	0	0	0
086. Vacation Buyout				5,650	0	0	0		0	0	0	0
090. Work from Home Reimbursement Allowance			4,475	4,163	5,200	75	0		0	0	0	0
Subtotal	\$877,821	\$1,034,786	\$888,440	\$856,498	\$940,900	\$913,745	\$1,056,100	\$1,210,000	\$1,118,300	\$1,162,300	\$1,208,100	\$1,255,600
B. Operation & Maintenance												
100. Electricity	\$2,118	\$3,172	\$3,737	\$6,023	\$10,000	\$4,528	\$5,500		\$5,750	\$6,000	\$6,250	\$6,500
101. Natural Gas	1,278	1,240	912	1,902	3,000	2,420	3,000		3,100	3,200	3,350	3,500
102. Water, Garbage, Other	454	741	767	803	1,250	840	1,250		1,300	1,350	1,400	1,450
110. Bank Charges	14,746	15,158	20,299	21,739	23,200	14,800	25,200		26,450	27,750	29,100	30,500
112. Communication	13,883	16,562	22,190	25,391	29,200	25,000	28,000		27,500	29,000	29,000	30,500
113. Emergency/Safety Eqpt			29,399	13,872	30,000	21,360	20,450		16,500	23,200	17,450	18,000
115. Eqpt/Eqpt Repair	87,084	92,596	88,604	89,741	169,700	174,700	165,000		242,700	121,400	154,500	157,000
116. Supplies	6,792	7,109	3,020	4,119	6,800	4,500	7,000		7,300	7,500	7,600	7,800
117. Employee/Duty Costs	11,050	19,256	4,988	5,736	24,750	21,000	19,000		18,000	18,500	12,500	12,500
118. Building & Grounds	12,541	20,157	26,947	44,148	167,000	199,800	74,500		45,500	26,000	55,000	28,500
119. Postage	6,308	4,225	3,286	4,223	7,550	5,200	7,550		7,950	10,400	8,850	9,300
120. Printing/Photography	11,509	8,121	7,125	8,142	12,700	11,200	12,700		12,700	13,500	12,900	13,700
121. User Billing Material	64,580	63,831	67,672	69,466	84,150	82,400	88,000		90,100	85,350	84,650	89,950
124. Contract Services	135,569	70,220	52,387	62,255	150,300	113,244	167,000		153,500	152,000	157,000	158,000
137. Memberships/Subscriptions	6,969	8,469	7,497	7,290	8,500	7,500	9,500		9,550	9,700	9,850	10,000
Subtotal	\$374,883	\$330,858	\$338,832	\$364,848	\$728,100	\$688,492	\$633,650	\$760,000	\$667,900	\$534,850	\$589,400	\$577,200
C. Vehicles												
222. Gas/Fuel	\$858	\$1,114	\$299	\$697	\$2,000	\$2,850	\$3,200		\$3,200	\$3,200	\$3,200	\$3,200
225. Operation/Repair	1,113	2,217	380	1,321	2,600	1,100	2,600		2,650	2,700	2,800	2,850
226. Vehicle Purchase	0	0	0	0	12,000	18,637	0		28,000	28,000	0	0
Subtotal	\$1,971	\$3,331	\$680	\$2,019	\$16,600	\$22,587	\$5,800	\$10,000	\$33,850	\$33,900	\$6,000	\$6,050
TOTALS	\$1,254,674	\$1,368,974	\$1,227,952	\$1,223,365	\$1,685,600	\$1,624,824	\$1,695,550	\$1,980,000	\$1,820,050	\$1,731,050	\$1,803,500	\$1,838,850

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 23-24 Appropriation	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
12. Wastewater Treatment Center												
A. Salary & Wages												
006. Engineering		\$29,473	\$47,440	\$52,406	\$48,800	\$59,540	\$58,350		\$61,850	\$64,350	\$66,900	\$69,600
009. Oper. Management	\$99,519	107,667	100,206	100,335	108,550	109,360	113,900		120,750	125,600	130,600	135,800
010. Maintenance	542,819	524,751	526,489	578,180	696,250	677,660	689,650		731,000	760,250	790,650	822,300
020. WWTC	531,533	536,379	597,945	584,269	561,750	548,520	614,600		651,500	677,550	704,650	732,850
030. Building & Grounds	57,751	87,810	104,344	103,355	107,250	102,520	119,150		126,250	131,300	136,600	142,000
085. Incentive			200	2,000	0	0	0		0	0	0	0
086. Vacation Buyout				4,871	0	0	0		0	0	0	0
090. Work from Home Reimbursement Allowance			288	50	0	0	0		0	0	0	0
Subtotal	\$1,231,621	\$1,286,080	\$1,376,912	\$1,425,466	\$1,522,600	\$1,497,600	\$1,595,650	\$1,830,000	\$1,691,350	\$1,759,050	\$1,829,400	\$1,902,550
B.Operation & Maintenance												
100. Electricity	\$75,263	\$80,975	\$125,288	\$64,278	\$53,600	\$71,790	\$65,000		\$67,600	\$70,300	\$73,100	\$76,000
101. Natural Gas	6,010	6,346	4,991	9,708	10,400	12,160	12,500		13,000	13,500	14,000	14,550
102. Water, Garbage, Other	22,573	17,838	23,816	27,549	48,400	46,950	40,550		42,100	43,650	42,900	44,650
103. Odor Control	3,603	39,195	1,806	3,391	3,000	3,300	3,400		3,550	3,700	3,850	4,000
104. Fuel - Generators	15,301	3,382	3,423	4,799	12,500	20,750	16,500		17,150	17,850	18,550	19,300
112. Communication	15,094	17,690	18,515	23,948	24,900	26,000	27,600		26,100	28,600	27,600	31,600
113. Emergency/Safety Eqpt	15,005	13,018	10,391	22,289	43,600	42,056	35,350		30,200	31,450	33,350	34,000
116. Supplies	27,058	31,799	26,144	27,016	31,350	27,000	32,750		33,100	34,450	35,850	37,250
117. Employee/Duty Costs	19,573	20,039	11,348	15,759	26,000	16,500	30,000		30,000	30,500	31,000	32,000
124. Contract Services	131,034	203,705	209,816	216,110	222,600	222,594	203,500		204,300	205,000	27,300	28,100
130. NPDES Permit Fees	53,000	53,000	53,000	53,000	53,000	53,000	53,000		53,000	53,000	53,000	53,000
131. Sludge Hauling/Disposal Services	64,274	134,615	119,669	34,524	85,000	119,197	90,000		93,600	97,350	101,250	105,300
400. Chemicals	127,772	125,859	109,342	148,897	229,800	140,000	287,950		299,450	311,450	323,900	1,043,900
500. Eqpt/Eqpt Repair	642,336	997,579	2,178,507	872,710	1,191,250	740,150	1,851,250		1,701,950	1,831,800	1,431,300	1,531,300
800. Building & Grounds	222,016	231,631	242,897	180,314	412,350	381,660	362,750		374,450	285,350	235,950	494,250
Subtotal	\$1,439,911	\$1,976,672	\$3,138,955	\$1,704,291	\$2,447,750	\$1,923,108	\$3,112,100	\$3,730,000	\$2,989,550	\$3,057,950	\$2,452,900	\$3,549,200
C. Vehicles												
222. Gas/Fuel	\$16,834	\$16,360	\$10,798	\$22,194	\$24,500	\$38,600	\$40,000		\$41,600	\$43,250	\$45,000	\$46,800
225. Operation/Repair	10,073	5,065	5,132	6,408	8,500	4,820	8,500		8,850	9,200	9,600	10,000
226. Vehicle Purchase	10,778	64,060	0	47,647	59,000	17,403	93,300		68,500	54,250	35,000	0
Subtotal	\$37,685	\$85,486	\$15,930	\$76,248	\$92,000	\$60,824	\$141,800	\$170,000	\$118,950	\$106,700	\$89,600	\$56,800
TOTALS	\$2,709,217	\$3,348,238	\$4,531,797	\$3,206,006	\$4,062,350	\$3,481,532	\$4,849,550	\$5,730,000	\$4,799,850	\$4,923,700	\$4,371,900	\$5,508,550

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 23-24 Appropriation	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
13. Laboratory												
A. Salary & Wages												
009. Oper. Management	\$75,106	\$75,903	\$78,304	\$73,366	\$85,250	\$64,990	\$83,450		\$88,450	\$91,950	\$95,650	\$99,450
040. Laboratory	145,486	158,457	164,102	173,521	182,800	156,850	189,350		200,700	208,750	217,100	225,800
085. Incentive				400	0	820	0		0	0	0	0
086. Vacation Buyout				2,438	0	0	0		0	0	0	0
090. Work from Home Reimbursement Allowance			25	0	0	0	0		0	0	0	0
Subtotal	\$220,591	\$234,360	\$242,431	\$249,725	\$268,050	\$222,660	\$272,800	\$310,000	\$289,150	\$300,700	\$312,750	\$325,250
B. Operation & Maintenance												
112. Communication				\$2,122	\$4,300	\$2,500	\$4,000		\$4,000	\$4,000	\$4,000	\$4,000
114. Chemicals	\$11,478	\$16,704	\$12,740	15,755	24,500	18,760	25,500		26,500	27,600	28,700	29,800
115. Eqpt/Eqpt Repair	18,238	12,532	12,480	39,209	36,000	29,390	28,000		46,000	41,000	25,000	62,400
116. Supplies	8,171	13,207	13,186	15,876	24,900	22,480	25,900		26,950	28,000	28,150	30,300
117. Employee/Duty Costs	3,039	2,265	2,224	1,542	5,500	3,500	6,000		6,000	6,000	6,000	6,000
122. Monitoring Equipment	769	1,508	2,419	4,365	9,500	7,720	5,500		9,500	5,500	9,500	5,500
123. Outside Lab Services	16,701	18,498	19,321	17,473	23,000	21,070	24,800		25,800	26,800	27,900	29,000
Subtotal	\$58,395	\$64,713	\$62,368	\$96,343	\$127,700	\$105,421	\$119,700	\$140,000	\$144,750	\$138,900	\$129,250	\$167,000
C. Vehicles												
222. Gas/Fuel	\$362	\$444	\$251	\$576	\$650	\$900	\$900		\$950	\$950	\$1,000	\$1,000
225. Operation/Repair	106	1,245	189	884	250	900	250		300	300	350	350
226. Vehicle Purchase	0	0	0	0	18,500	22,701	0		0	35,000	0	0
Subtotal	\$469	\$1,689	\$440	\$1,461	\$19,400	\$24,501	\$1,150	\$10,000	\$1,250	\$36,250	\$1,350	\$1,350
TOTALS	\$279,455	\$300,762	\$305,239	\$347,528	\$415,150	\$352,582	\$393,650	\$460,000	\$435,150	\$475,850	\$443,350	\$493,600

	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28
	Actual	Actual	Actual	Actual	Budget	Projected Actual	Budget	Appropriation	Projected	Projected	Projected	Projected
14. Collection System												
A. Salary & Wages												
006. Engineering		\$8,324	\$7,641	\$4,782	\$9,600	\$3,820	\$7,600		\$8,100	\$8,400	\$8,750	\$9,100
050. Sewer Maintenance	\$184,433	189,689	233,518	223,340	202,800	292,260	274,200		290,650	302,250	314,350	326,900
060. Inspection	295,613	195,426	168,752	224,655	294,400	181,620	243,600		258,200	268,500	279,250	290,450
070. Investigations	9,245	4,245	1,312	2,747	1,550	6,540	4,450		4,750	4,900	5,100	5,300
085. Incentive			200	1,400	0	0	0		0	0	0	0
086. Vacation Buyout				0	0	0	0		0	0	0	0
090. Work from Home Reimbursement Allowance			800	225	650	0	0		0	0	0	0
Subtotal	\$489,291	\$397,684	\$412,223	\$457,150	\$509,000	\$484,240	\$529,850	\$610,000	\$561,700	\$584,050	\$607,450	\$631,750
B. Operation & Maintenance												
112. Communication	\$7,605	\$7,828	\$8,100	\$7,718	\$13,400	\$10,000	\$12,000		\$14,500	\$12,500	\$14,500	\$13,500
113. Emer/Safety Equipment	1,031	958	3,580	2,301	2,800	4,260	3,400		2,900	3,500	6,600	3,700
115. Eqpt/Eqpt Repair	27,514	50,497	21,821	35,104	59,000	61,530	44,500		48,300	46,700	148,100	67,000
116. Supplies	4,943	3,077	4,786	5,821	4,650	5,020	4,100		5,500	5,650	5,800	6,000
117. Employee/Duty Costs	7,708	9,315	6,063	7,050	13,600	12,700	15,500		15,000	15,500	16,000	16,000
124. Contract Services	107,940	120,840	80,808	79,814	105,000	126,724	0		105,000	105,000	105,000	105,000
127. JULIE	16,526	16,489	16,224	15,819	16,100	15,370	15,400		15,700	16,000	16,300	16,600
128. Overhead Sewer Program	22,634	6,088	27,333	8,814	15,000	15,010	15,000		15,000	15,000	15,000	15,000
129. Public Sewer Blockage Program	5,426	502	3,559	4,803	12,000	9,011	12,000		12,000	12,000	12,000	12,000
900. Collection System Repair	1,972,430	1,054,951	1,412,771	1,824,173	3,796,600	1,241,997	4,271,600		2,457,600	2,448,600	2,516,600	2,431,600
Subtotal	\$2,173,756	\$1,270,544	\$1,585,044	\$1,991,418	\$4,038,150	\$1,501,622	\$4,393,500	\$5,270,000	\$2,691,500	\$2,680,450	\$2,855,900	\$2,686,400
C. Vehicles												
222. Gas/Fuel	\$13,263	\$12,253	\$8,436	\$14,107	\$22,000	\$24,450	\$26,000		\$27,000	\$28,100	\$29,200	\$30,350
225. Operation/Repair	6,188	12,175	6,994	10,904	7,000	9,587	9,000		9,350	9,800	10,200	10,600
226. Vehicle Purchase	411	25,720	26,461	30,795	0	0	567,500		31,000	32,000	180,000	100,000
Subtotal	\$19,862	\$50,149	\$41,891	\$55,807	\$29,000	\$34,036	\$602,500	\$700,000	\$67,350	\$69,900	\$219,400	\$140,950
TOTALS	\$2,682,909	\$1,718,377	\$2,039,158	\$2,504,375	\$4,576,150	\$2,019,898	\$5,525,850	\$6,580,000	\$3,320,550	\$3,334,400	\$3,682,750	\$3,459,100

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 23-24 Appropriation	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
15. Lift Stations												
A. Salary & Wages												
006. Engineering		\$1,361	\$726	\$4,955	\$6,850	\$550	\$7,750		\$8,200	\$8,550	\$8,850	\$9,200
009. Oper. Management	\$9,494	3,998	106	3,861	300	\$1,820	4,250		4,500	4,700	4,900	5,100
030. Building & Grounds	1,355	3,394	286	808	750	\$160	900		950	1,000	1,050	1,100
080. Lift Station Maint.	69,327	53,858	11,861	9,603	21,650	\$11,120	15,700		16,650	17,300	18,000	18,700
Subtotal	\$80,176	\$62,611	\$12,979	\$19,227	\$29,550	\$13,650	\$28,600	\$30,000	\$30,300	\$31,550	\$32,800	\$34,100
B. Operation & Maintenance												
100. Electricity	\$115,955	\$119,635	\$101,719	\$115,814	\$128,000	\$159,000	\$162,000		\$168,050	\$174,750	\$181,750	\$189,050
104. Fuel - Generators	3,729	2,789	3,734	4,298	3,750	4,095	4,000		4,150	4,350	4,500	4,700
112. Communication	4,228	4,396	4,390	4,425	6,300	5,000	5,400		5,850	5,800	5,800	6,250
113. Emer/Safety Eqpt.	0	274	59	514	1,000	720	11,100		1,100	1,150	1,200	1,250
116. Supplies	432	73	183	171	300	224	300		300	300	350	350
500. Eqpt/Eqpt Repair	155,538	112,519	72,416	88,694	675,550	232,720	249,350		223,200	174,600	148,300	181,900
800. Building & Grounds	36,795	88,461	15,122	80,157	62,350	22,160	153,350		46,450	52,200	53,700	60,350
Subtotal	\$316,677	\$328,148	\$197,622	\$294,073	\$877,250	\$423,918	\$585,500	\$700,000	\$449,100	\$413,150	\$395,600	\$443,850
TOTALS	\$396,853	\$390,759	\$210,601	\$313,300	\$906,800	\$437,568	\$614,100	\$730,000	\$479,400	\$444,700	\$428,400	\$477,950
17. Insurance & Employee Benefits												
E. Insurance & Payroll												
452. Liability/Property	\$173,012	\$190,591	\$199,837	\$214,321	\$231,000	\$232,150	\$249,850		\$254,900	\$256,300	\$258,500	\$261,000
455. Employee Group Coverage	509,573	472,701	451,363	518,159	597,300	550,000	658,000		696,650	746,650	791,350	839,950
460. I.M.R.F.	320,556	275,719	296,425	286,739	296,000	252,000	250,000		348,000	344,550	341,050	336,550
461. Social Security	213,468	218,714	220,546	226,100	245,000	237,400	260,000		274,500	285,000	296,500	308,000
TOTALS	\$1,216,608	\$1,157,725	\$1,168,171	\$1,245,319	\$1,369,300	\$1,271,550	\$1,417,850	\$1,630,000	\$1,574,050	\$1,632,500	\$1,687,400	\$1,745,500
GRAND TOTALS	\$8,539,717	\$8,284,836	\$9,482,918	\$8,839,892	\$13,015,350	\$9,187,954	\$14,496,550	\$17,110,000	\$12,429,050	\$12,542,200	\$12,417,300	\$13,523,550

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2023-2024 to 2027-2028

EXHIBIT 1

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 23-24 Appropriation	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
REVENUES												
User receipts	\$3,132,389	\$3,097,564	\$3,317,633	\$3,670,965	\$3,692,500	\$3,751,878	\$3,959,800	\$3,959,800	\$4,460,700	\$4,893,400	\$5,371,700	\$6,783,100
Surcharges	333,079	343,452	310,537	354,923	312,000	372,164	418,000	\$418,000	463,500	509,000	562,800	620,000
Monthly service fees	3,843,884	4,068,677	4,126,210	4,174,355	4,535,600	4,429,867	4,836,800	4,836,800	5,080,200	5,429,500	5,794,600	5,842,100
Plan review fees	364	418	230	3,585	500	334	500	500	500	500	500	500
Const inspection fees	0	0	0	548	500	316	500	500	500	500	500	500
Permit inspection fees	25,810	24,728	16,952	19,144	20,000	17,076	20,000	20,000	20,000	20,000	20,000	20,000
Interest	43,087	51,925	21,539	8,441	7,000	54,680	67,050	67,050	38,400	23,050	21,250	31,000
Sampling & monitoring charges	100,401	103,235	104,388	111,473	105,000	112,175	113,000	113,000	119,800	124,550	129,550	134,750
Real estate taxes	1,183,080	1,219,196	1,255,378	1,301,388	1,339,900	1,363,346	1,403,700	1,403,700	1,445,200	1,488,000	1,532,000	1,577,300
Television inspection fees	0	0	0	0	150	0	150	150	150	150	150	150
Replacement taxes	74,500	98,083	92,480	214,976	85,000	260,000	120,000	120,000	120,000	120,000	120,000	120,000
Lease payments	33,899	34,456	34,707	35,624	35,600	37,742	39,300	39,300	39,900	40,850	36,800	44,700
Miscellaneous	14,225	13,502	31,930	17,554	10,000	9,005	5,000	5,000	5,000	5,000	5,000	5,000
Sale of electricity				4,547		12,000	12,000	12,000	12,000	12,000	12,000	12,000
Sale of property				19,405		19,820	37,700	37,700	16,900	28,000	9,400	27,000
Grease waste	224,488	186,142	149,426	210,066	210,000	212,471	230,000	230,000	230,000	230,000	230,000	230,000
Interfund transfer				(275,000)		(500,000)	(800,000)	(800,000)	(1,050,000)	(1,050,000)	(1,050,000)	(1,050,000)
Renewable energy credits	11,627	3,722	0	0	3,000	62,620	24,000	24,000	24,000	24,000	24,000	24,000
Grants and incentives				160,259	1,150,000	63,427	1,589,881	1,589,881	0	0	0	0
TOTAL REVENUES	\$9,020,833	\$9,245,099	\$9,461,410	\$10,032,253	\$11,506,750	\$10,278,920	\$12,077,381	\$12,077,381	\$11,026,750	\$11,898,500	\$12,820,250	\$14,422,100
TOTAL EXPENSES	\$8,539,717	\$8,284,836	\$9,482,918	\$8,839,892	\$13,015,350	\$9,187,954	\$14,496,550	\$17,110,000	\$12,429,050	\$12,542,200	\$12,417,300	\$13,523,550
EXCESS (DEFICIT) REVENUES OVER EXPENSES	\$481,117	\$960,263	(\$21,507)	\$1,192,361	(\$1,508,600)	\$1,090,965	(\$2,419,169)	(\$5,032,619)	(\$1,402,300)	(\$643,700)	\$402,950	\$898,550
ENDING FUND BALANCE	\$3,277,627	\$4,237,890	\$4,216,382	\$5,408,744	\$3,900,144	\$6,499,709	\$4,080,540	\$1,467,090	\$2,678,240	\$2,034,540	\$2,437,490	\$3,336,040
DESIGNATED FOR REPLACEMENT	\$820,000	\$820,000	\$820,000	\$820,000	\$820,000	\$820,000	\$820,000		\$820,000	\$820,000	\$820,000	\$820,000
UNDESIGNATED	\$2,457,627	\$3,417,890	\$3,396,382	\$4,588,744	\$3,080,144	\$5,679,709	\$3,260,540		\$1,858,240	\$1,214,540	\$1,617,490	\$2,516,040
ENDING FUND BALANCE AS PERCENTAGE OF TOTAL EXPENSES	38%	51%	44%	61%	30%	71%	28%		22%	16%	20%	25%
USER RATE	\$1.65	\$1.70	\$1.80	\$1.95	\$2.05	\$2.05	\$2.25		\$2.60	\$2.90	\$3.25	\$4.25
INCREASE FROM PRIOR YEAR'S RATE	0.0%	3.0%	5.9%	8.3%	5.1%	5.1%	9.8%		15.6%	11.5%	12.1%	30.8%
MONTHLY SERVICE FEE	\$16.00	\$17.00	\$17.00	\$17.00	\$19.00	\$19.00	\$20.00		\$21.00	\$22.50	\$24.00	\$24.00
INCREASE FROM PRIOR YEAR'S FEE	6.7%	6.3%	0.0%	0.0%	11.8%	11.8%	5.3%		5.0%	7.1%	6.7%	0.0%

GENERAL CORPORATE FUND EXPENDITURES

Summary

The annual budgets for operation, maintenance and replacement for the next five years are contained in Exhibit 1. The proposed budget amounts represent the best estimates of actual expenditures each year. Necessary contingencies for FY 2023-24 are provided in the proposed appropriation amounts for the major categories in each department. The appropriation amounts represent the legal limit on spending during the year as established in the appropriation ordinance.

Actual expenditures for FY 2022-23 are projected to be \$9,187,954, which is approximately 29% less than was budgeted. A large portion of this difference is due to the Curtiss St lining project bid being delayed hence the construction being moved into FY 2023-24. Slow progress on the outfall sewer repair project has also reduced the year-end projection for FY 2022-23. When the budget for FY 2023-24 was prepared, a transfer of \$500,000 from the General Corporate Fund to the Improvement Fund was included as an expense under the lift station operation and maintenance budget. The District's auditor has since instructed staff to handle this transfer as a negative revenue in the General Corporate Fund rather than an expense, and hence it is not included in the year-end projected expenses. Total operation, maintenance and replacement expenditures for FY 2023-24 are budgeted at \$14,496,550 and actual expenditures are expected to be 100% of the budget. The FY 2023-24 budget is approximately 11% higher than the FY2022-23 budget. This increase in budgeted expenses over the previous year's budget is due to the delay in bidding the Curtiss St lining project, the delay in construction of the outfall sewer repair, higher than historic inflation, beginning of annual digester cleaning, recommended improvements identified in the B&W code review report and replacement of the heavy-duty sewer system jetter/vacuum truck. For the past few years, the ending fund balance has been above the target level, which is 25% of the total annual expenses. The increase in expenditures in FY 2023-24 will bring down the surplus. The following table presents budget and actual totals for the last ten years and projected budget totals for the next five years:

<u>Fiscal Year</u>	<u>O & M Budget</u>	<u>Actual Expenditures</u>	<u>% of Actual to Budget</u>	<u>Annual Increase in Actual Expenditures</u>
2013-14	7,589,050	7,559,060	100%	2.0%
2014-15	7,509,450	7,546,493	100%	-0.2%
2015-16	7,824,150	7,379,248	94%	-2.2%
2016-17	8,343,000	8,299,047	99%	12.5%
2017-18	8,796,200	8,295,420	94%	0.0%
2018-19	9,204,250	8,539,717	93%	2.9%
2019-20	9,429,400	8,284,836	88%	-3.0%
2020-21	10,931,950	9,482,918	87%	14.5%
2021-22	11,301,900	8,839,892	78%	-6.8%
2022-23	13,015,350	9,187,954*	71%*	3.9%*
2023-24	14,496,550	14,496,550*	100%*	57.8%*
2024-25	12,429,050	12,429,050*	100%*	-14.3%*
2025-26	12,542,200	12,542,200*	100%*	0.9%*
2026-27	12,417,300	12,417,300*	100%*	-1.0%*
2026-27	13,523,550	13,523,550*	100%*	8.9%*

*Projected

The increase from FY 2015-16 to FY 2016-17 represents the successful completion of new and outstanding sewer system rehabilitation and replacement projects and new equipment in the sewer televising truck. The increase from FY 2017-18 to FY 2018-19 represents an increase in the annual expenditures for sewer replacement and rehabilitation. The increase from FY 2019-20 to FY 2020-21 is due to carryover of FY 2019-20 projects as well as CHP engine replacement. In general, the increase in proposed O&M budget for the next five years over expenditures for the past ten years is due to several projects and equipment replacements associated with aging infrastructure, which are shown in Exhibit 2, as well as an overall increase in the cost of goods. The FY 2023-24 proposed expenditures are significantly higher than the projected actual expenditures in FY 2022-23 for several additional reasons, which are discussed in more detail below.

Analysis by Type of Expenditure

I. Salaries and Wages

<u>Year</u>	<u>Salaries and Wages</u>	<u>Change</u>	<u>Full Time Equivalents</u>
FY 2018-19	2,899,501	6.8%	38.7
FY 2019-20	3,015,522	4.0%	36.7
FY 2020-21	2,932,985	-2.7%	35.5
FY 2021-22	3,008,065	2.6%	35.9
FY 2022-23	3,131,895	4.1%	36.5
FY 2023-24	3,483,000	11.2%	38.9
FY 2024-25	3,690,800	6.0%	38.9
FY 2025-26	3,837,650	4.0%	38.9
FY 2026-27	3,990,500	4.0%	38.9
FY 2027-28	4,149,250	4.0%	38.9

The increase in FY 2018-19 reflects some overlapping hires needed to address pending retirements. The increase in FY 2019-20 reflects the addition of a staff engineering position and some overlapping hires needed to address pending retirements. Salaries and wages decreased in FY 2020-21 reflects turnover at two higher salary positions, the general manager and sewer construction supervisor positions, due to retirement. The increase in FY 2021-22 reflects hiring of a permit technician to fill the position that was vacated by a promotion to the sewer construction supervisor position, hiring an operator due to a pending retirement, and the COVID pandemic related compensation, including the work from home allowance, vaccination incentives and a vacation buyout. The increase in FY 2021-22 due to these items was offset by the administrative supervisor position being open for a couple of months. The increase in FY 2022-23 was due to an average full-time salary adjustment of 5% plus the hiring of a mechanic in anticipation of retirement at the maintenance supervisor position and hiring of a part-time billing assistant. The increase in FY 2023-24 salaries and wages reflects a 7.7% salary adjustment for full-time employees, overlapping hires needed to address retirement at two positions, and planned vacation buyout for the retirees. In addition, the District intends to restart the summer intern program in FY 2023-24 and continue it moving forward. An annual salary adjustment of 6.0% is shown for FY 2024-25 in case higher than historic social security cost of living adjustments continue. Annual salary adjustments of 4.0% at full staffing account for future increases beyond FY 2024-25.

II. O & M Expenses – Utilities

<u>Year</u>	<u>Utilities</u>	<u>Change</u>
FY 2018-19	223,652	-23.8%
FY 2019-20	229,948	2.8%
FY 2020-21	261,230	13.6%
FY 2021-22	226,077	-13.5%
FY 2022-23	297,689	31.7%
FY 2023-24	289,800	-2.6%
FY 2024-25	300,900	3.8%
FY 2025-26	312,750	3.9%
FY 2026-27	322,750	3.2%
FY 2027-28	335,700	4.0%

The reductions in FY 2018-19 reflects implementation of the second phase of the CHP gas utilization system. The increases in FY 2019-20 and FY 2020-21 are due to one and at times both CHP gas utilization systems being out of service. The new CHP system to replace the CHP unit that failed in 2019 was placed into full-time operation in March of 2021. The decrease in FY 2021-22 is due to the second CHP system being in service for the entire year. The increase in FY 2022-23 and subsequent decrease in FY 2023-24 is partly due to garbage expenses associated with years of accumulated grit removed from the sewer system during cleaning and spent media from the biogas cleaning system, which were removed in 2022. The increase in FY 2022-23 is also partly due to sale of electricity no longer being applied against the expense code. (See the revenue section herein for more details.) Electricity and natural gas pricing increased significantly in 2022. Electricity and natural gas prices are projected to grow at 4% per year.

III. O & M Expenses – Other

<u>Year</u>	<u>O & M Expenses - Excluding Utilities</u>	<u>Change</u>
FY 2018-19	4,139,970	2.7%
FY 2019-20	3,740,986	-9.6%
FY 2020-21	5,061,591	35.3%
FY 2021-22	4,224,898	-16.5%
FY 2022-23	4,344,872	2.8%
FY 2023-24	8,554,650	96.9%
FY 2024-25	6,641,900	-22.4%
FY 2025-26	6,512,550	-1.9%
FY 2026-27	6,100,300	-6.3%
FY 2027-28	7,087,950	16.2%

The increase from FY 2017-18 to FY 2018-19 represents an increase in the annual expenditures for sewer replacement and rehabilitation. The FY 2020-21 expenses are significantly higher than previous years due to replacement of a CHP engine and a composting pilot as well as the WAS thickener project not being completed in FY 2019-20 as originally planned. In general, expenses over the next five years are significantly higher in comparison to the last five years to address aging infrastructure. Expenses for FY 2023-24 are significantly higher than previous years for several reasons in addition to aging infrastructure. These include bidding of the Curtiss St lining

project being delayed while the District works through the grant application process with USEPA, construction on the outfall sewer sag repair project progressing very slowly, higher than historic inflation rates, code compliance issues identified in the B&W report being addressed at the Wastewater Treatment Center, digester cleaning, and SCADA software upgrades. Major planned expenses are detailed in Exhibit 2.

IV. Vehicles

<u>Year</u>	<u>Vehicle Expenses</u>	<u>Number of Vehicles</u>	<u>Change</u>
FY 2018-19	59,986	1	-37.3%
FY 2019-20	140,654*	3	134.5%
FY 2020-21	58,941	1	-58.1%
FY 2021-22	135,534**	3	129.9%
FY 2022-23	141,948**	3	14.8%
FY 2023-24	751,250**	5	429.2%
FY 2024-25	221,400**	4	-70.5%
FY 2025-26	246,750**	5	11.4%
FY 2026-27	316,350**	2	28.2%
FY 2027-28	205,150**	3	-35.2%

*Revenue from the sale of a portion of the vehicles replaced is not included in the expense shown, whereas it is for all other years.

** Revenue from the sale of vehicles is not included.

Vehicle expenses fluctuate based on vehicle replacement needs. Historically, small vehicles are generally scheduled for replacement after six years of use, while larger heavy-duty vehicles have a longer service life. Small CNG vehicles are scheduled for replacement after 10 years. The planned replacement schedule, however, has been affected by the COVID pandemic and by supply chain issues over the past three years. Ordered vehicles are taking much longer to arrive, vehicle costs have significantly increased, and the District has opted to keep a few vehicles after the replacement arrived to limit employees riding in a vehicle together. In addition to these challenges, the District was unable to purchase a scheduled truck in FY 2022-23 as the needed model was not available through the government purchasing cooperatives. District staff have been informed by representatives of the government purchasing programs that it is highly unlikely the District will be able to purchase cars, vans and trucks through these programs in the future, and if we do, it will be at MSRP. For this reason, the van and truck purchases for FY 2023-24 were budgeted at MSRP. Discounted prices were used for the four following years with the assumption that the government purchasing programs would return. The heavy-duty sewer system jetter/vacuum truck will be replaced in FY 2023-24. Proposed vehicle replacements are detailed in Exhibit 2 under budget codes 11C226, 12C226, 13C226 and 14C226. The two vehicles which were planned to be sold in FY19-20 were not sold until FY20-21 due to delays associated with the COVID pandemic. Rather than posting the revenue against the vehicle expenses as was historically done, the \$20,251 sales revenue was posted to miscellaneous revenue for FY 2020-21. As recommended by the District's auditor in FY 2021-22, the sale of vehicles started to be applied to sale of property under revenue rather than to the vehicle expense code. The exception to this is trade-ins which were applied directly to the purchase price of the new vehicle.

V. Insurance and Employee Benefits

<u>Year</u>	<u>Ins/Emp Benefits</u>	<u>Change</u>
FY 2018-19	1,216,608	4.9%
FY 2019-20	1,157,725	-4.8%
FY 2020-21	1,168,171	0.9%
FY 2021-22	1,254,319	6.6%
FY 2022-23	1,271,550	2.1%
FY 2023-24	1,417,850	11.5%
FY 2024-25	1,574,050	11.0%
FY 2025-26	1,632,500	3.7%
FY 2026-27	1,687,400	3.4%
FY 2027-28	1,745,500	3.4%

The proposed increases in these expenditures are due to anticipated premium increases on all coverages, particularly employee group medical, workers compensation and property and liability. IMRF contributions are expected to decrease moderately each year over the next five years due to anticipated retirement activity. Proposed employee group insurance expenses for FY 2023-24 reflect the addition of employees in planned preparation for two retirements. Proposed IMRF and social security expenses reflect the proposed annual salary adjustments.

Analysis by Department

The following tables provide an analysis of proposed expenditures from the General Corporate Fund by Department.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2023-2024 to 2027-2028

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 23-24 Appropriation	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
ADMINISTRATION												
SALARIES AND WAGES	\$877,821	\$1,034,786	\$888,440	\$856,498	\$940,900	\$913,745	\$1,056,100	\$1,210,000	\$1,118,300	\$1,162,300	\$1,208,100	\$1,255,600
% CHANGE FROM PRIOR YEAR	11.1%	17.9%	-14.1%	-3.6%	9.9%	6.7%	15.6%		5.9%	3.9%	3.9%	3.9%
OFFICE EXPENSES	\$374,883	\$330,858	\$338,832	\$364,848	\$728,100	\$688,492	\$633,650	\$760,000	\$667,900	\$534,850	\$589,400	\$577,200
% CHANGE FROM PRIOR YEAR	1.2%	-11.7%	2.4%	7.7%	99.6%	88.7%	-8.0%		5.4%	-19.9%	10.2%	-2.1%
VEHICLE EXPENSES	\$1,971	\$3,331	\$680	\$2,019	\$16,600	\$22,587	\$5,800	\$10,000	\$33,850	\$33,900	\$6,000	\$6,050
% CHANGE FROM PRIOR YEAR	55.6%	69.0%	-79.6%	197.0%	722.4%	1018.9%	-74.3%		483.6%	0.1%	-82.3%	0.8%
TOTAL ADMINISTRATION EXPENSES	\$1,254,674	\$1,368,974	\$1,227,952	\$1,223,365	\$1,685,600	\$1,624,824	\$1,695,550	\$1,980,000	\$1,820,050	\$1,731,050	\$1,803,500	\$1,838,850
% CHANGE FROM PRIOR YEAR	8.0%	9.1%	-10.3%	-0.4%	37.8%	32.8%	4.4%		7.3%	-4.9%	4.2%	2.0%

COMMENTS

Salaries and Wages	The higher salary level in FY19-20 was a result of succession planning for the General Manager position. The decrease in salary level in FY20-21 was a result of retirements at the General Manager and Sewer Construction Supervisor positions. The higher than typical increase in requested salary budget in FY23-24 is mostly due to planning for the retirement of the Sewer Maintenance Supervisor. This was also impacted by the proposed salary increases which are higher than historic increases in order to keep up with the social security cost of living adjustment.
Office	With the FY21-22 change in staffing at the Administrative Supervisor position, contract services for IT support were increased. The increase in office expenses in FY22-23 was primarily due to the Administration Center remodeling of the reception area and the Board room and due to replacement of the office server and network infrastructure. Replacement of the Wastewater Treatment Center server, website updates, new carpeting in the main office area and installation of the old Centex Lift Station generator to provide standby power at the Administration Center are planned for FY23-24. Major expenses planned in FY24-25 are a new timekeeping system and a new accounting system software.
Vehicles	Vehicle costs reflect replacement of vehicles in FY22-23, FY24-25 and FY25-26 as well as fuel and normal maintenance and repairs in all years. Fuel costs significantly increased in FY22-23.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2023-2024 to 2027-2028

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 23-24 Appropriation	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
WASTEWATER TREATMENT CENTER												
SALARIES AND WAGES	\$1,231,621	\$1,286,080	\$1,376,912	\$1,425,466	\$1,522,600	\$1,497,600	\$1,595,650	\$1,830,000	\$1,691,350	\$1,759,050	\$1,829,400	\$1,902,550
% CHANGE FROM PRIOR YEAR	3.5%	4.4%	7.1%	3.5%	6.8%	5.1%	6.5%		6.0%	4.0%	4.0%	4.0%
OPERATION & MAINTENANCE EXPENSES	\$1,439,911	\$1,976,672	\$3,138,955	\$1,704,291	\$2,447,750	\$1,923,108	\$3,112,100	\$3,730,000	\$2,989,550	\$3,057,950	\$2,452,900	\$3,549,200
% CHANGE FROM PRIOR YEAR	-5.4%	37.3%	58.8%	-45.7%	43.6%	12.8%	61.8%		-3.9%	2.3%	-19.8%	44.7%
VEHICLE EXPENSES	\$37,685	\$85,486	\$15,930	\$76,248	\$92,000	\$60,824	\$141,800	\$170,000	\$118,950	\$106,700	\$89,600	\$56,800
% CHANGE FROM PRIOR YEAR	14.1%	126.8%	-81.4%	378.6%	20.7%	-20.2%	133.1%		-16.1%	-10.3%	-16.0%	-36.6%
TOTAL PLANT EXPENSES	\$2,709,217	\$3,348,238	\$4,531,797	\$3,206,006	\$4,062,350	\$3,481,532	\$4,849,550	\$5,730,000	\$4,799,850	\$4,923,700	\$4,371,900	\$5,508,550
% CHANGE FROM PRIOR YEAR	-1.3%	23.6%	35.3%	-29.3%	26.7%	8.6%	39.3%		-1.0%	2.6%	-11.2%	26.0%

COMMENTS

Salaries and Wages	WWTC salaries and wages reflect full staffing and projected annual salary adjustments. Retirement planning for the Maintenance Supervisor is reflected by the increases in FY22-23 and FY23-24. The proposed hiring of summer interns, which was halted in FY20-21 due to COVID, is included in FY23-24 and all future years.
Operation & Maintenance	Planned upgrades and replacements are detailed in Exhibit 2 under codes 12B500 and 12B800. Operation & maintenance expenses are planned to be higher over the next five years due to digester cleaning, SCADA software platform and PLC replacement, and items identified in the Baxter & Woodman code review report. Costs are also budgeted higher due to expected increases in pricing from vendors across all items. In addition to chemicals generally costing more, chemical costs are also budgeted to increase in FY23-24 as the District will have to purchase bulk hypochlorite should the OSEC generator fail and to increase again in FY27-28 due to the anticipated startup of chemical phosphorus removal. The decrease in FY26-27 is due to the special assessments in the District's current agreement with the DuPage River Salt Creek Workgroup ending.
Vehicles	Vehicle costs vary based on replacement needs. Vehicle replacements are detailed in Exhibit 2 under budget code 12C226. The cost of fuel increased significantly in FY22-23, and this increase is reflected in fuel costs moving forward.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2023-2024 to 2027-2028

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 23-24 Appropriation	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
LABORATORY												
SALARIES AND WAGES	\$220,591	\$234,360	\$242,431	\$249,725	\$268,050	\$222,660	\$272,800	\$310,000	\$289,150	\$300,700	\$312,750	\$325,250
% CHANGE FROM PRIOR YEAR	4.7%	6.2%	3.4%	3.0%	7.3%	-10.8%	22.5%		6.0%	4.0%	4.0%	4.0%
OPERATION & MAINTENANCE EXPENSES	\$58,395	\$64,713	\$62,368	\$96,343	\$127,700	\$105,421	\$119,700	\$140,000	\$144,750	\$138,900	\$129,250	\$167,000
% CHANGE FROM PRIOR YEAR	-13.4%	10.8%	-3.6%	54.5%	32.5%	9.4%	13.5%		20.9%	-4.0%	-6.9%	29.2%
VEHICLE EXPENSES	\$469	\$1,689	\$440	\$1,461	\$19,400	\$24,501	\$1,150	\$10,000	\$1,250	\$36,250	\$1,350	\$1,350
% CHANGE FROM PRIOR YEAR	-3.9%	260.5%	-73.9%	231.6%	1228.2%	1577.5%	-95.3%		8.7%	2800.0%	-96.3%	0.0%
TOTAL LABORATORY EXPENSES	\$279,455	\$300,762	\$305,239	\$347,528	\$415,150	\$352,582	\$393,650	\$460,000	\$435,150	\$475,850	\$443,350	\$493,600
% CHANGE FROM PRIOR YEAR	0.3%	7.6%	1.5%	13.9%	19.5%	1.5%	11.6%		10.5%	9.4%	-6.8%	11.3%

COMMENTS

Salaries and Wages	Projected lab salaries and wages reflect future annual salary adjustments with the laboratory supervisor and two full-time analysts. The projected actual for FY22-23 is lower than budgeted due to turnover at a lab analyst position.
Operation & Maintenance	Major expenditures include scheduled equipment replacements and renewal of the online analyzer service contracts. These are detailed in Exhibit 2 under code 13B115.
Vehicles	Vehicle fuel and repair costs for the five year period, with replacement of the lab van in FY25-26.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2023-2024 to 2027-2028

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 23-24 Appropriation	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
COLLECTION SYSTEM												
SALARIES AND WAGES	\$489,291	\$397,684	\$412,223	\$457,150	\$509,000	\$484,240	\$529,850	\$610,000	\$561,700	\$584,050	\$607,450	\$631,750
% CHANGE FROM PRIOR YEAR	10.2%	-18.7%	3.7%	10.9%	11.3%	5.9%	9.4%		6.0%	4.0%	4.0%	4.0%
OPERATION & MAINTENANCE EXPENSES	\$2,173,756	\$1,270,544	\$1,585,044	\$1,991,418	\$4,038,150	\$1,501,622	\$4,393,500	\$5,270,000	\$2,691,500	\$2,680,450	\$2,855,900	\$2,686,400
% CHANGE FROM PRIOR YEAR	3.9%	-41.6%	24.8%	25.6%	102.8%	-24.6%	192.6%		-38.7%	-0.4%	6.5%	-5.9%
VEHICLE EXPENSES	\$19,862	\$50,149	\$41,891	\$55,807	\$29,000	\$34,036	\$602,500	\$700,000	\$67,350	\$69,900	\$219,400	\$140,950
% CHANGE FROM PRIOR YEAR	-67.4%	152.5%	-16.5%	33.2%	-48.0%	-39.0%	1670.2%		-88.8%	3.8%	213.9%	-35.8%
TOTAL COLLECTION SYSTEM EXPENSES	\$2,682,909	\$1,718,377	\$2,039,158	\$2,504,375	\$4,576,150	\$2,019,898	\$5,525,850	\$6,580,000	\$3,320,550	\$3,334,400	\$3,682,750	\$3,459,100
% CHANGE FROM PRIOR YEAR	3.3%	-36.0%	18.7%	22.8%	82.7%	-19.3%	173.6%		-39.9%	0.4%	10.4%	-6.1%

COMMENTS

Salaries and Wages	The plan reflects full staffing and normal planned annual increases.
Operation & Maintenance	Continued implementation of the Building Sanitary Service Repair Assistance Program (BSSRAP) is reflected, with an expected increase based on the current 5-year contract which was signed in FY22-23. The projected actual collection system operation and maintenance expenses for FY22-23 are significantly lower than budgeted due to the delay in bidding the Curtiss St lining project and the contractor's slow progress on the outfall repair project. The delay in these projects is also reflected in the FY23-24 budget, which is significantly higher than what is normally spent or budgetted. The FY23-24 budget includes lining of a section of clay sewer in downtown Downers Grove. This is needed to reduce I/I in anticipation of future development at the current Village Hall location. Replacement of a section of sewer in Westmont is also included in the FY23-24 budget in coordination with the Village's project to install permeable pavers over the pipe. Lining of the outfall pipe is planned to be spread over three fiscal years, starting in FY 24-25. Additional detail on sewer repair work is found in Exhibit 2 under code 14B900.
Vehicles	Vehicle costs reflect fuel and normal maintenance and repairs. Future vehicle purchases are shown in Exhibit 2 under section 14C226. FY23-24 includes replacement of the combination vacuum/jet truck, and FY26-27 includes the replacement of the jetter truck.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2023-2024 to 2027-2028

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 23-24 Appropriation	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
LIFT STATIONS												
SALARIES AND WAGES	\$80,176	\$62,611	\$12,979	\$19,227	\$29,550	\$13,650	\$28,600	\$30,000	\$30,300	\$31,550	\$32,800	\$34,100
% CHANGE FROM PRIOR YEAR	-1.5%	-21.9%	-79.3%	48.1%	53.7%	-29.0%	109.5%		5.9%	4.1%	4.0%	4.0%
OPERATION & MAINTENANCE EXPENSES	\$316,677	\$328,148	\$197,622	\$294,073	\$877,250	\$423,918	\$585,500	\$700,000	\$449,100	\$413,150	\$395,600	\$443,850
% CHANGE FROM PRIOR YEAR	16.1%	3.6%	-39.8%	48.8%	198.3%	44.2%	38.1%		-23.3%	-8.0%	-4.2%	12.2%
TOTAL LIFT STATION EXPENSES	\$396,853	\$390,759	\$210,601	\$313,300	\$906,800	\$437,568	\$614,100	\$730,000	\$479,400	\$444,700	\$428,400	\$477,950
% CHANGE FROM PRIOR YEAR	12.1%	-1.5%	-46.1%	48.8%	189.4%	39.7%	40.3%		-21.9%	-7.2%	-3.7%	11.6%

COMMENTS

Salaries and Wages	The budget reflects salary adjustments based on the proportion of recent time spent on lift stations for engineering and maintenance staff. The higher increase shown for FY23-24 and continued through the following four years reflects the anticipated shift in staff time from the wastewater treatment center to the lift stations due to planned lift station and force main projects, which are detailed in Exhibit 2.
Operation & Maintenance	Planned expenses for the lift stations are shown in Exhibit 2 under 15B500 and 15B800. Major expenses include the arc flash study, automatic throwover switch (ATO) and motor replacements and elevator repair at Hobson Lift Station and internal testing of the Wroble forcemain.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2023-2024 to 2027-2028

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 23-24 Appropriation	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
INSURANCE AND EMPLOYEE BENEFITS												
TOTAL INSURANCE/EMPLOYEE BENEFITS	\$1,216,608	\$1,157,725	\$1,168,171	\$1,245,319	\$1,369,300	\$1,271,550	\$1,417,850	\$1,630,000	\$1,574,050	\$1,632,500	\$1,687,400	\$1,745,500
% CHANGE FROM PRIOR YEAR	4.9%	-4.8%	0.9%	6.6%	10.0%	2.1%	11.5%		11.0%	3.7%	3.4%	3.4%

COMMENTS

Projected expenses for insurance and employee benefits reflect the following factors:

1. An expected increase in liability and property premiums of 7% is budgeted for FY23-24. Annual net increases of 5% are shown thereafter.
2. An increase of 12% for employee group medical was included for FY23-24 at the recommendation of the District's broker. Increases of 6% for employee group medical, dental and vision are included for each year thereafter. The FY23-24 budget request also includes additional anticipated expenses related to additional employees hired to prepare for two retirements in FY23-24.
3. IMRF contributions are expected to decrease over the next five years due to investment returns reported at 16.82% in 2021 that is now being reflected in the District's funded status and employer contribution rate. There are also some anticipated retirements of long-term employees over the next five years which will also impact projected employer contribution rates.
4. No change is expected in the District's social security contribution rate. The overall social security expense accounts for potential increases in wages associated with the hiring of an additional employee as discussed.

DOWNERS GROVE SANITARY DISTRICT
MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
FISCAL YEARS 2023-24 TO 2027-28

EXHIBIT 2

	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28
GENERAL CORPORATE FUND					
11B115 (ADMIN-Eqpt/Eqpt Repair)					
1. Replace data server	30,000			30,000	30,000
2. Update website	10,000				
3. Accounting system replacement		100,000			
4. Timekeeping system replacement		20,000			
5. Copier replacement					11,000
Annual Totals	\$40,000	\$120,000	\$0	\$30,000	\$41,000
11B118 (ADMIN-Building & Grounds)					
1. Remodel workstations				30,000	
2. Replace carpeting	25,000				
3. Re-roof admin building		20,000			
4. Install standby generator (from Centex)	10,000				
Annual Totals	\$35,000	\$20,000	\$0	\$30,000	\$0
11B137 (ADMIN-Dues/Subscriptions)					
1. National association of clean water agencies	1,200	1,200	1,250	1,250	1,300
2. Illinois association of wastewater agencies	4,600	4,700	4,800	4,900	5,000
Annual Totals	\$5,800	\$5,900	\$6,050	\$6,150	\$6,300
11C226 (ADMIN-Vehicle Purchases)					
1. Administration vehicles		28,000	28,000		
Annual Totals	\$0	\$28,000	\$28,000	\$0	\$0
12B124 (WWTC-Contract Services)					
1.DRSCW membership/stream restoration	203,500	204,300	205,000	27,300	28,100
Annual Totals	\$203,500	\$204,300	\$205,000	\$27,300	\$28,100
12B130 (WWTC-NPDES Permit Fees)					
1. Annual permit fees	53,000	53,000	53,000	53,000	53,000
Annual Totals	\$53,000	\$53,000	\$53,000	\$53,000	\$53,000
12B131 (WWTC-Sludge Hauling/Disposal Services)					
1. Class B Land Application	90,000	93,600	97,350	101,250	105,300
Annual Totals	\$90,000	\$93,600	\$97,350	\$101,250	\$105,300
12B500 (WWTC-Eqpt/Eqpt Repair)					
1. Raw sewage pumping					
a. Compactor overhaul	8,850			9,550	9,950
b. Discharge valve replacement	20,000				
2. Grit removal system					
a. Conveyor overhaul	28,000				28,750
b. Grit classifier overhaul				16,000	
c. Grit pump overhaul	7,000	7,300	7,750		
d. Grit tank protective lining					80,000
3. Primary treatment					
a. Scum trough replacement		20,600	21,200		
b. Sludge collector replacement	8,250	8,500	8,750	9,000	
c. Sludge collector gear reducer replacement				11,000	
d. Railing, grating and concrete repairs	98,000	31,500		40,000	
e. Sludge grinder overhaul					7,500

DOWNERS GROVE SANITARY DISTRICT
MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
FISCAL YEARS 2023-24 TO 2027-28

EXHIBIT 2

	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28
4. Secondary treatment					
a. Protective coatings - secondary clarifiers	54,000	56,000	58,000		45,000
b. Secondary clarifier main gear reducer					51,000
c. Secondary clarifier weir replacement				40,000	
d. Hoffman/PD blower rebuild/overhaul	5,000			25,000	25,500
e. Aeration tank influent gate actuator			8,500		
f. DO probe replacement		15,000			
g. Railing, grating, decking and concrete repairs		134,000	116,000		
h. RAS pump overhaul	15,500	22,500			
i. RAS system VFDs		15,000			
j. Fine bubble diffuser replacement					34,000
5. Intermediate clarifiers					
a. Protective coatings	45,000	47,000	49,000		
b. Railings and concrete repairs	46,000	47,850	49,750	40,000	
c. Intermediate sludge pump overhaul	7,750	8,000			
6. Sand filters					
a. Waste washwater pump overhaul	5,500	5,750			
b. Filter control panel replacement			10,000	10,500	11,000
7. Disinfection equipment					
a. Fiberglass tank inspections/repairs		36,000			
b. Bisulfite pump replacements	9,000		9,750		
c. Hypochlorite feed pump VFD replacements		2,350	2,450	2,400	2,500
d. Hypo bulk mix-down pump VFD replacement	1,500				
e. Potable water piping/accessories for bulk hypo	10,000				
f. Division box concrete slab replacement				30,000	
8. Excess flow tanks					
a. Clarifier scum trough replacement		20,000			
b. Clarifier scraper blade/roller wheel replacements				20,000	
c. Protective Coatings - Bridge				80,000	
d. Railings and sidewalk			100,000		
e. Overhaul sludge grinder	12,000				
f. Overhaul sludge pumps	7,750	8,500			
9. Sludge concentration					
a. Concentrator main gear reducers			25,000	25,750	
b. Concentrator protective coatings				40,000	
c. WAS thickener feed pump replacement			15,000		
d. TWAS pump replacement				15,500	
10. Sludge digestion					
a. Re-coat/repair covers		14,000			
b. Digester cleaning	150,000	160,000	162,000	168,000	174,000
c. Railings	20,000	20,000	15,500	15,500	31,000
d. Digester 5 gas flare burner replacement	20,000				
e. Replace Digester 2 mixing equipment			250,000		
f. Digester mixing compressor overhaul	8,000		8,750		19,000
g. Grease grinder overhaul		5,250	5,500		
h. Grease pump replacement			15,000	15,500	
11. Sludge dewatering system					
a. Belt press feed pump replacement				15,000	
b. Belt press conveyor liner replacement					12,000

DOWNERS GROVE SANITARY DISTRICT
MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
FISCAL YEARS 2023-24 TO 2027-28

EXHIBIT 2

	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28
12. Biosolids aging and disposal					
a. Wheel loader replacement			85,000		125,000
b. Wheel loader tires	18,000				
c. Auger rebuilds	12,500	12,500	12,500	12,500	12,500
d. Dump truck - 12 yd, replacement	150,000				
e. Curtiss lagoon drain system repairs	30,000				
13. Maintenance/utilities					
a. Maintenance Services Building equipment	4,700	6,300	14,000		
b. Replace portable pump				9,500	
c. Main switchgear maintenance	700				14,000
d. ComEd ATO replacement	73,000				
e. CHP Engine/Generator overhaul	146,500	186,500	200,850	157,750	169,500
f. Emergency generator control panel replacement	10,000	125,000			
g. Emergency generator diesel tank replacement	125,000				
h. SCADA PLC Upgrades		83,700	120,000		
i. SCADA software platform replacement	160,000	77,000			
j. Software Upgrades (MP2, BioWin)	3,300		40,000		
k. Yard piping repairs	44,350	46,100	47,950	49,900	51,900
i. Excess Flow (003) gate actuator replacement	22,500				
ii. Natural gas main replacement					225,000
Annual Totals	\$1,387,650	\$1,222,200	\$1,458,200	\$858,350	\$1,129,100
12B800 (WWTC-Building & Grounds)					
1. Roof repairs	44,000	42,500	40,000	9,500	10,000
2. Road / sidewalk repair	50,000	50,000	17,500	25,000	25,000
3. Window / door replacement	50,000	54,750	30,500	49,000	
4. HVAC repairs	24,000	24,750	40,000		4,500
a. Munters dehumidifier replacement					200,000
5. Outside stairs, railings, gratings, and fencing					
6. Interior stairs					32,000
7. Tuckpointing	30,000	30,000	30,000	20,000	20,000
8. Interior painting	35,000	35,000			65,000
9. Locker room remodeling	12,000				
10. Lighting		15,000			
Annual Totals	\$245,000	\$252,000	\$158,000	\$103,500	\$356,500
12C226 (WWTC-Vehicle Purchases)					
1. Operations supervisor truck				35,000	
2. Maintenance supervisor truck			35,000		
3. Electric cart	17,800	18,500	19,250		
4. OPS/Maintenance/Electrical trucks		50,000			
5. Lift station truck	85,000				
Annual Totals	\$102,800	\$68,500	\$54,250	\$35,000	\$0
13B115 (LAB-Eqpt/Eqpt Repair)					
1. Autosampler replacement	7,000		15,000		
2. Autoclave			15,000		
3. Incubators	10,000				
4. pH/Mult-function Meter					6,000
5. TSS Drying Oven				5,000	
6. Amtax/Phosphax/Filtrax Service Partnership		35,000			39,400
7. Balance				9,000	6,000
Annual Totals	\$17,000	\$35,000	\$30,000	\$14,000	\$51,400

DOWNERS GROVE SANITARY DISTRICT
MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
FISCAL YEARS 2023-24 TO 2027-28

EXHIBIT 2

	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28
13C226 (LAB-Vehicle Purchase)					
1. Lab Supervisor vehicle					
2. Lab van			35,000		
Annual Totals	\$0	\$0	\$35,000	\$0	\$0
14B115 (SEWER SYSTEM-Eqpt/Eqpt Repair)					
1. Main line and lateral TV systems				100,000	
2. House service inspection camera system/monitor					17,500
Annual Totals	\$0	\$0	\$0	\$100,000	\$17,500
14B124 (SEWER SYSTEM-Contract Services)					
1. Contract Televising		100,000	100,000	100,000	100,000
Annual Totals	\$0	\$100,000	\$100,000	\$100,000	\$100,000
14B900 (SEWER SYSTEM-System Repairs)					
1. Structural/O&M					
a. Main sewers	75,000	75,000	75,000	75,000	75,000
b. Manholes	25,000	25,000	25,000	25,000	25,000
c. Building sanitary services	650,000	650,000	650,000	650,000	650,000
2. Sewer replacements and rehabilitation					
a. Sewer rehab/replacement	2,570,000	500,000	1,100,000	900,000	1,350,000
3. I/I Program	100,000	100,000	100,000	100,000	100,000
4. Outfall pipe rehabilitation and repair	670,000	926,000	317,000	585,000	50,000
5. IEPA ARRA loan repayment	181,600	181,600	181,600	181,600	181,600
Annual Totals	\$4,271,600	\$2,457,600	\$2,448,600	\$2,516,600	\$2,431,600
14C226 (SEWER SYSTEM-Vehicle Purchases)					
1. Inspection/technician vans/trucks	45,500		32,000		100,000
2. Supervisor truck	39,000	31,000			
3. Combination vacuum/jet truck	483,000			180,000	
Annual Totals	\$567,500	\$31,000	\$32,000	\$180,000	\$100,000
15B113 (LIFT STATIONS-Emergency/Safety Eqpt)					
1. Arc Flash Study	10,000				
Annual Totals	\$10,000	\$0	\$0	\$0	\$0
15B500 (LIFT STATIONS-Eqpt/Eqpt Repair)					
1. Butterfield lift station					
a. Pump overhaul	3,750	3,900			
2. Centex lift station					
3. College lift station					
a. Pump overhaul	15,500	16,500			17,500
b. Air relief valves	16,000				
4. Earlston lift station					
a. Replace pump		27,500			
b. Air relief valves	4,000				
5. Hobson lift station					
a. Pump overhaul	10,500	11,000			
b. Intake valve replacement			11,500		12,500
c. Motor replacement			45,000		
d. Switchgear PM				8,700	
e. ATO replacement	73,000				

DOWNERS GROVE SANITARY DISTRICT
MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
FISCAL YEARS 2023-24 TO 2027-28

EXHIBIT 2

	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28
6. Liberty Park lift station					
a. Pump overhaul				12,500	13,000
7. Northwest lift station					
a. Pump overhaul	4,000			10,000	10,500
b. VFD replacement	5,150	5,350	5,550		
8. Venard lift station					
a. Pump overhaul		11,625	12,100	12,575	
9. Wroble lift station					
a. Pump overhaul		5,300	5,500		
b. Forcemain internal investigation		50,000			
c. VFD replacement	7,250				
10. General maintenance					
a. Portable pump replacements	8,850				
b. Portable generator replacements					26,000
Annual Totals	\$148,000	\$131,175	\$79,650	\$43,775	\$79,500
15B800 (LIFT STATIONS-Building & Grounds)					
1. Cathodic protection testing	1,500			1,700	
2. Painting	28,600	15,000	10,000	18,000	25,000
3. Earlston biofilter replacement	20,000				
4. Hobson elevator repair/rehabilitation	21,000				
5. Roof replacements			9,500		
6. Road / sidewalk repair	35,000				
7. Stairs, railings, gratings repair	12,000				
8. Earlston HVAC improvements	5,000				
Annual Totals	\$123,100	\$15,000	\$19,500	\$19,700	\$25,000
IMPROVEMENT FUND					
1. Future special assessments		200,000	200,000	200,000	200,000
2. IEPA loan repayment	93,200	93,200	93,200	93,200	93,200
3. Replace Centex LS	304,400				
4. Replace portion of Venard LS forcemain	850,000				
5. Replace portion of Wroble LS forcemain		17,000	183,000		
6. Replace Butterfield LS					2,000,000
Annual Totals	\$1,247,600	\$310,200	\$476,200	\$293,200	\$2,293,200
CONSTRUCTION FUND					
1. IEPA loan repayment	28,900	28,900	28,900	28,900	28,900
2. Gas detection and alarming systems	419,000				
3. Digester gas safety equipment		464,000			
4. Biosolids processing/storage improvements	997,500	427,500			
5. Chemical feed system - phosphorus removal			139,000	834,000	417,000
Annual Totals	\$1,445,400	\$920,400	\$167,900	\$862,900	\$445,900
GRAND TOTALS	\$9,982,950	\$6,067,875	\$5,448,700	\$5,374,725	\$7,263,400

GENERAL CORPORATE FUND REVENUES

Summary

General Corporate Fund revenues are detailed on the last page of Exhibit 1. Actual revenues for the last five years and budgeted revenues for the next five years are presented in this exhibit. Revenues are adequate to fund the expenditure levels recommended in this plan. Per the District's Fund Balance/Net Assets Policy, the fund balance is held near 25% of annual expenses. Due to growing expenses associated with aging infrastructure, code improvements and the current high inflation rate, the expenses for the next three years are projected to outpace the revenue, causing the fund balance to drop below the target of 25% of annual expenses. Rate and fee increases are proposed to bring the fund balance back up to the target of 25% of annual expenses by the end of the five-year plan.

Analysis by Revenue Type

The District's annual residential charge for wastewater collection and treatment includes user charges, the monthly service charge and the real estate tax levy for sewer rehabilitation, as detailed in Exhibit 3.

I. User Receipts

This plan reflects an increase in the user rate from \$2.05 to \$2.25 per 1,000 gallons of metered water consumption in FY 2023-24. User rate increases are anticipated for the subsequent four years varying between \$0.30 and \$1.00 as shown in Exhibit 1 and Exhibit 3. User receipts during FY 2022-23 are projected at \$3,751,878. This estimate of billable flow compares with recent experience as indicated below:

<u>Fiscal Year</u>	<u>Net Billable Flow (MGD)</u>	<u>Summer Usage Adjustments (\$)</u>
2003-04	6.601	83,400
2004-05	6.333	96,616
2005-06	6.645	296,891
2006-07	6.236	125,215
2007-08	6.223	183,910
2008-09	5.893	112,621
2009-10	5.913	110,369
2010-11	5.753	112,363
2011-12	5.633	107,538
2012-13	5.768	251,934
2013-14	5.537	109,116
2014-15	5.242	60,919
2015-16	5.257	68,643
2016-17	5.243	82,814
2017-18	5.291	139,711
2018-19	5.121	94,995
2019-20	4.960	76,759
2020-21	4.992	187,250
2021-22	5.067	160,930
2022-23	4.970*	158,271

*Projected for final three months

The downward trend in billable flow reversed in FY 2020-21, likely due to customers being at home more during the COVID pandemic. The summer usage adjustments also appear to have been impacted in FY 2020-21 by the COVID pandemic, likely by customers who were at home more than in a normal year having more time to focus on their lawns. FY 2023-24 projections of user receipts are based on a billable flow of 4.871 MGD, which represents a billable flow 2.0% less than the FY 2022-23 levels. Water supply utilities' efforts at reducing water consumption are expected to continue to result in future reductions in billable flow. After FY 2023-24, this plan reflects a 2.0% per year reduction in billable flow consistent with target reductions established by water supply utilities, corroborated by historic trends.

II. Surcharges

Surcharge rates for discharges in excess of normal domestic waste strengths (200 mg/l BOD and 250 mg/l TSS) are proposed to increase for an average surcharge customer by 10% to 11% annually. These increases will bring the per pound cost of treating BOD and TSS closer to the per pound costs that non-surcharge customers pay by the end of the five-year period.

III. Monthly Service Fees

The plan reflects an increase in the monthly fee from \$19.00 per month (\$228.00 per year) for FY 2022-23 to \$20.00 per month (\$240.00 per year) for FY 2023-24. The monthly fee is expected to increase by \$1.00 in FY 2024-25 and \$1.50 in both FY 2025-26 and FY 2026-27.

IV. Plan Review Fees

Plan review fees are assessed based upon the estimated construction cost of proposed sanitary sewer extensions. These fees are not expected to change over the next few years.

V. Construction Inspection Fees

Construction inspection fees represent the cost of inspections by District personnel of sanitary sewer extensions. These fees are not expected to change over the next five years.

VI. Permit Inspection Fees

The cost of inspections by District personnel of service connections and new building construction is recovered from permit inspection fees. The number of inspections decreased in FY 2020-21. The number of inspections is expected to return to pre-2020 levels and remain constant.

VII. Interest

Interest is estimated based on investing half the average fund balance each year at an interest rate of roughly 3% over the five-year period.

VIII. Sampling and Monitoring Charges

Sampling and monitoring charges are assessed to all users subject to surcharge or pretreatment to recover the costs to sample and analyze wastewater from these users and are projected to increase as the cost to provide these services increases.

IX. Real Estate Taxes

The real estate tax levy is included in the General Corporate Fund and is utilized for operation, maintenance and repair of sewerage facilities. It is proposed that these levies be increased by 5% each year. The amount of future levies is limited in accordance with the tax cap limitation, reflected in budgeted increases of 2.9% each year over the 5-year planning period.

X. Television Inspection Fees

Television inspection fees are assessed to developers for the costs of televising new sewers prior to the expiration of the one-year warranty period.

XI. Replacement Taxes

Personal property replacement taxes received from the state, estimated at \$120,000 per year for FY 2023-24 and projected to continue at this level, will be used to fund sewer system repairs.

XII. Lease Payments

During FY 1996-97, the District signed a lease with the Village of Downers Grove for District property located on Walnut Avenue, adjacent to the Village's public works facility. The lease agreement provides for lease payments by the Village to the District.

XIII. Miscellaneous

Miscellaneous revenues include revenues from levying and collecting special assessments, fees to administer recapture agreements, and costs received for other District services. Sale of miscellaneous property was historically coded to miscellaneous revenue. A sale of property revenue code was created in FY 2021-22, and therefore sale of property will no longer be included in miscellaneous revenue, which is why miscellaneous revenues will be budgeted lower than what has historically been collected. These revenues are estimated at \$5,000 each year.

XIV. Sale of Electricity

Electricity produced by the CHP engines in excess of what is used at the WWTC flows onto ComEd's distribution system. The excess generation is credited on the District's ComEd invoices, offsetting distribution expenses. ComEd will pay the District for any additional credit above what offsets the distribution expenses. Historically, this was applied against the expense code for WWTC electricity. In FY 2021-22, the District's auditors recommended that revenue not be applied to expense codes as it is not a good accounting practice. The budget reflects a steady revenue from electricity sales.

XV. Sale of Property

Historically, sales of vehicles and cell phones were applied against the related expense code for the items being replaced. In FY 2021-22, the District's auditors recommended that revenue not be applied to expense codes as it is not a good accounting practice. The sale of property revenue code was created as a result. Sale of vehicles except those that are traded in, sale of cell phones and sale of miscellaneous property are included in this revenue source. The anticipated revenues vary from year to year, following the proposed vehicle and cell phone replacements.

XVI. Grease Waste

Hauled restaurant grease trap waste continues to be accepted for treatment at the WWTC. The amount of grease waste accepted in FY 2020-21 was reduced due to only one CHP unit being in operation and also due to limitations on the amount of gas which can be flared. The new CHP unit was placed into operation at the end of FY 2020-21. As a result, the District increased the amount of grease waste that is accepted. This is reflected in the projected revenue collected for FY 2022-23. The fee collected for this waste has been constant since the District began accepting this type of waste over a decade ago. An increase in fees is proposed for FY 2023-24 and reflected in the budget.

XVII. Interfund Transfer

As mentioned in the discussions herein on the Construction Fund and the Improvement Fund, the historic source of revenue for those two funds will not be sufficient to meet the needs of the funds. Starting in FY 2021-22, funds will be transferred from the General Corporate Fund to cover shortages in the Construction Fund and the Improvement Fund. The District's auditor instructed staff to handle these transfers as negative revenue under the General Corporate Fund.

XVIII. Renewable Energy Credits

Renewable energy credits can be sold as they are generated by the new CHP equipment. The budget reflects anticipated market pricing and production.

XIX. Grants and Incentives

The grants and incentives revenue code was created under the General Corporate Fund in FY 2021-22. The first two incentive payments from the ComEd Energy Efficiency program for operation of the new CHP unit were received in FY 2021-22 and the third was received in FY 2022-23. The FY 2023-24 budget includes an anticipated \$1,080,000 in Community Grant Funding for the Curtiss St lining project and \$509,881 from the DuPage County LARPA grant program which is proposed to be used for the outfall repair project.

GENERAL CORPORATE FUND
FUND BALANCE

Summary

The projected fund balance of the consolidated General Corporate and Replacement Fund as of 4/30/24 is \$4,080,540. The fund balance is projected to be spent down over the next three years causing the fund balance to drop below the target of 25% of annual expenses identified in the District's Fund Balance/Net Assets Policy. With the proposed rate and fee increases, the fund balance will return to 25% of total annual expenditures by the end of the five-year plan. Projected fund balance levels are presented on the last page of Exhibit 1.

DOWNERS GROVE SANITARY DISTRICT
ANNUAL RESIDENTIAL CHARGES FOR WASTEWATER COLLECTION AND TREATMENT SERVICES

EXHIBIT 3

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Actual	FY 23-24 Budgeted	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
USER CHARGES										
RATE PER 1000 GALS	\$1.65	\$1.70	\$1.80	\$1.95	\$2.05	\$2.25	\$2.60	\$2.90	\$3.25	\$4.25
AVERAGE ANNUAL USAGE	96,000	96,000	96,000	96,000	96,000	96,000	96,000	96,000	96,000	96,000
ANNUAL USER CHARGES	\$158.40	\$163.20	\$172.80	\$187.20	\$196.80	\$216.00	\$249.60	\$278.40	\$312.00	\$408.00
PROPERTY TAXES										
YEAR TAXES PAID	2018	2019	2020	2021	2021	2022	2023	2024	2025	2026
MEDIAN ASSESSED VALUE	\$93,940	\$95,680	\$101,120	\$104,575	\$106,940	\$111,218	\$115,666	\$120,293	\$125,105	\$130,109
DISTRICT TAX RATE	0.0404	0.0398	0.0406	0.0400	0.0393	0.0389	0.0385	0.0381	0.0377	0.0373
ANNUAL TAXES PAID	\$37.95	\$38.08	\$41.05	\$41.83	\$42.03	\$43.26	\$44.53	\$45.83	\$47.16	\$48.53
MONTHLY SERVICE FEE										
MONTHLY SERVICE FEE	\$16.00	\$17.00	\$17.00	\$17.00	\$19.00	\$20.00	\$21.00	\$22.50	\$24.00	\$24.00
ANNUAL SERVICE FEE	\$192.00	\$204.00	\$204.00	\$204.00	\$228.00	\$240.00	\$252.00	\$270.00	\$288.00	\$288.00
TOTAL ANNUAL COST	\$388.35	\$405.28	\$417.85	\$433.03	\$466.83	\$499.26	\$546.13	\$594.23	\$647.16	\$744.53
TOTAL MONTHLY COST	\$32.36	\$33.77	\$34.82	\$36.09	\$38.90	\$41.61	\$45.51	\$49.52	\$53.93	\$62.04
ANNUAL PERCENT CHANGE	3.6%	4.4%	3.1%	3.6%	7.8%	6.9%	9.4%	8.8%	8.9%	15.0%
TEN YEAR AVERAGE ANNUAL	2.9%	3.2%	3.4%	3.7%	4.3%	4.7%	5.3%	5.8%	6.1%	7.2%

DOWNERS GROVE SANITARY DISTRICT
FIVE YEAR FINANCIAL PLAN
CONSTRUCTION FUND
FISCAL YEARS 2023-24 TO 2027-28

EXHIBIT 4

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
REVENUES											
Sewer permit fees	\$189,349	\$237,232	\$259,377	\$359,857	\$250,000	\$184,200	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
Interest	\$1,559	\$9,114	\$1,564	\$869	\$1,200	\$15,700	\$17,700	\$7,650	\$10,850	\$14,550	\$16,250
Interfund transfer (from General Corporate Fund)								\$500,000	\$500,000	\$500,000	\$500,000
ICECF Grant		\$500,000									
Total Revenues	\$190,908	\$746,346	\$260,941	\$360,726	\$251,200	\$199,900	\$267,700	\$757,650	\$760,850	\$764,550	\$766,250
EXPENSES											
IEPA loan repayment	\$28,807	\$28,807	\$28,807	\$28,807	\$28,900	\$28,807	\$28,900	\$28,900	\$28,900	\$28,900	\$28,900
Gas detection and alarming systems							\$419,000				
Digester gas safety equipment								\$464,000			
Biosolids processing/storage improvements							\$997,500	\$427,500			
Chemical feed system - phosphorus removal									\$139,000	\$834,000	\$417,000
Total Expenses	\$28,807	\$28,807	\$28,807	\$28,807	\$28,900	\$28,807	\$1,445,400	\$920,400	\$167,900	\$862,900	\$445,900
Excess (Deficiency) of Revenues over Expenses	\$162,100	\$717,539	\$232,134	\$331,919	\$222,300	\$171,093	(\$1,177,700)	(\$162,750)	\$592,950	(\$98,350)	\$320,350
Ending Fund Balance	\$315,371	\$1,032,909	\$1,265,043	\$1,596,962	\$1,819,262	\$1,768,055	\$590,355	\$427,605	\$1,020,555	\$922,205	\$1,242,555

CONSTRUCTION FUND

Summary

The Construction Fund is intended to provide funds for improvements and expansions to the WWTC. The primary source of revenue to the Construction Fund, sewer permit fees, is directly related to development activity within the District. As development proceeds, sewer permit fees are generated and accumulated to construct WWTC facilities. As of December 31, 2022, there are 45,493 population equivalents of hydraulic capacity remaining on the WWTC. It is not anticipated that the next incremental expansion in capacity, from 11.0 MGD to 12.0 MGD, will be needed during the next five years. Permit fees are projected to continue at historic levels over the 5-year plan. The plan includes safety and biosolids handling improvements at the WWTC as well as installation of chemical feed systems for phosphorus removal. The plan shows annual transfers from the General Corporate Fund to the Construction Fund starting in FY 2024-25 to ensure sufficient funds are available to complete the above-mentioned projects. The plan for the Construction Fund also envisions the continued accumulation of funds for future improvements, expansions or property acquisition adjacent to the WWTC if such property becomes available for purchase.

Revenues

1. Sewer permit fees – These fees are projected to remain at \$250,000 per year going forward. Development activity is not expected to decline during the 5-year period.
2. Interest – Interest is estimated based on half of the average fund balance each year being invested at an interest rate of 3.0%.
3. Transfers from the General Corporate Fund – Transfers from the General Corporate Fund are planned annually starting in FY 2024-25. The transfers are proposed to reimburse the Construction Fund for planned expenditures which are shown in Exhibit 4 and discussed below.

Expenses

1. IEPA loan repayment – Repayments to IEPA associated with ARRA-funded treatment plant projects being repaid from this fund are expected to be \$28,900 per year until the loan principal is fully repaid in 2031.
2. Safety improvements associated with hazards typically found in the wastewater treatment facility were recommended in the Baxter & Woodman code review report which was completed in FY 2022-23. Gas detection and alarming systems for the bar screen building and the digester control buildings are planned in FY 2023-24. The addition of digester gas safety equipment and replacement of the waste gas burners are proposed for FY 2024-25.
3. Biosolids processing/storage improvements are proposed starting in FY 2023-24 and finishing in FY 2024-25.
4. Chemical feed system for the addition of phosphorus reducing chemicals is expected to be designed in FY 2025-26 and constructed in FY 2026-27 and FY 2027-28.

Fund Balance

The projected Construction Fund balance by April 30, 2024 is expected to be \$590,355, which is an anticipated decrease in fund balance of \$1,177,700 across the fiscal year. Interfund transfers are planned over the subsequent four years to offset expenses and bring the balance up to \$1,242,555 by April 30, 2028, as depicted in Exhibit 4. This balance will be reserved for future improvements and expansions to the WWTC.

DOWNERS GROVE SANITARY DISTRICT
FIVE YEAR FINANCIAL PLAN
IMPROVEMENT FUND
FISCAL YEARS 2023-24 TO 2027-28

EXHIBIT 5

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
REVENUES											
Trunk and lateral sewer service charges	\$47,857	\$57,500	\$107,112	\$130,885	\$90,000	\$128,660	\$90,000	\$90,000	\$90,000	\$90,000	\$90,000
Interest	21,542	24,628	7,373	1,279	250	15,676	4,700	4,950	11,800	18,800	12,250
Repayments											
Special assessment vouchers								200,000	200,000	200,000	200,000
Interfund transfer (from General Corporate Fund)				275,000	500,000	500,000	800,000	550,000	550,000	550,000	550,000
Total Revenues	\$69,399	\$82,128	\$114,485	\$407,164	\$590,250	\$644,335	\$894,700	\$844,950	\$851,800	\$858,800	\$852,250
EXPENSES											
Unsewered areas											
Planning	\$6,174	\$11,370	\$900	\$119	\$500	\$250	\$500	\$500	\$500	\$500	\$500
Special assessments								200,000	200,000	200,000	200,000
Lift station improvements											
Liberty Park replacement	150,658										
Centex replacement			39,346	134,071	1,538,000	1,233,600	304,400				
Venard forcemain partial replacement					50,000	50,000	850,000				
Wroble forcemain partial replacement								17,000	183,000		
Butterfield replacement											2,000,000
IEPA Loan Repayment	93,191	93,191	93,191	93,191	93,200	93,191	93,200	93,200	93,200	93,200	93,200
Total Expenses	\$250,024	\$104,561	\$133,437	\$227,381	\$1,681,700	\$1,377,041	\$1,248,100	\$310,700	\$476,700	\$293,700	\$2,293,700
Excess (Deficiency) of Revenues over Expenses	(\$180,625)	(\$22,433)	(\$18,952)	\$179,784	(\$1,091,450)	(\$732,706)	(\$353,400)	\$534,250	\$375,100	\$565,100	(\$1,441,450)
Ending Fund Balance	\$1,161,629	\$1,139,196	\$1,120,244	\$1,300,027	\$208,577	\$567,322	\$213,922	\$748,172	\$1,123,272	\$1,688,372	\$246,922

IMPROVEMENT FUND

Summary

The Improvement Fund is intended to be utilized for sewer system and lift station expansions and improvements. The historic source of revenue for this fund, trunk and lateral sewer service charges, is projected to continue at average levels over the 5-year plan. As development proceeds, charges are generated and accumulated to construct additional system capacity and improvements, as needed. The unsewered area plan does not currently identify any specific capacity needs to serve remaining unsewered areas in the facility planning area. I/I removal generally provides the most cost-effective way of creating system capacity where needed. The plan includes replacements of lift stations and force mains over the next five years. Historically, the plan for the Improvement Fund envisioned the gradual accumulation of funds for future improvements or expansions. The lift station needs, however, are greater than the current revenue to the Improvement Fund can sustain. The plan shows annual transfers from the General Corporate Fund to the Improvement Fund starting in FY 2021-22 to ensure sufficient funds are available to complete the above-mentioned projects and future sewer system and lift station projects.

Revenues

1. Trunk and lateral sewer service charges – These charges are projected at \$90,000 annually for the five-year period.
2. Interest – Interest is estimated based on half of the average fund balance each year being invested at an interest rate of 3.0%.
3. Annual repayments from special assessments – These amounts represent reimbursements from special assessment projects for costs advanced by the improvement fund.
4. Transfers from the General Corporate Fund – Transfers from the General Corporate Fund are planned annually starting in FY 2024-25.

Expenses

1. Planning for unsewered areas – The plan depicting the locations of proposed sanitary sewers in currently unsewered areas within the District facility planning area was prepared in FY 2006-07 and is updated annually. The reduction in unsewered area planning expenses shown in Exhibit 5 between FY 2019-20 and FY 2020-21 reflects shifting the unsewered area plan updates from the District's engineering consultant to the District's Staff Engineer.
2. Special assessments in unsewered areas – The improvement fund advances funds to approved special assessment projects and is then reimbursed by the issuance of vouchers for each special assessment project. Exhibit 5 anticipates limited potential future Special Assessment project activity starting in FY 2024-25.
3. IEPA Loan Repayment – Repayments to IEPA associated with ARRA-funded collection system projects being repaid from this fund are expected to be \$93,200 per year until the loan principal is fully repaid in 2031.

4. Centex Lift Station Replacement – The budget includes costs associated with replacing the Centex Lift Station as it reaches the end of its useful service life. The project was bid and awarded in FY 2021-22. The start of construction has been delayed by the contractor and is now planned for spring of 2023. The expenses for this project are shown spread between FY 2022-23 and FY 2023-24 and reflect the actual bid results and expected construction engineering services.
5. Venard Lift Station Force Main Replacement – The budget includes anticipated costs associated with replacing the Venard Lift Station force mains. The older of the two force mains had two breaks in 2020 and one break in 2022. The newer force main had a break in 2021. Design is planned for FY 2022-23, and construction is planned for FY 2023-24.
6. Wroble Lift Station Force Main Replacement – The budget includes anticipated costs associated with replacing a portion of the Wroble Lift Station force main that has had multiple breaks. Design is planned for FY 2024-25, and construction is planned for FY 2025-26. The full extent of the project may be modified after completion of the force main internal investigation, which is budgeted for FY 2024-25 under 15B500 in the General Corporate Fund as shown in Exhibit 2.
7. Butterfield Lift Station Replacement – The budget includes anticipated costs associated with replacing the Butterfield Lift Station as it reaches the end of its useful service life. Construction is planned for FY 2027-28.

Fund Balance

The balance in the improvement fund is projected to be \$246,922 on April 30, 2028. Future expenses for sewer extensions into unsewered areas will be determined based upon the maintenance of an adequate balance in this fund.

DOWNERS GROVE SANITARY DISTRICT
FIVE YEAR FINANCIAL PLAN
PUBLIC BENEFIT FUND
FISCAL YEARS 2023-24 TO 2027-28

EXHIBIT 6

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected Actual	FY 23-24 Budget	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
REVENUES											
Interest	\$542	\$856	\$480	\$13	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$542	\$856	\$480	\$13	\$0	\$0	\$0	\$0	\$0	\$0	\$0
EXPENSES											
Sewer deepening	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Excess (Deficiency) of Revenues over Expenses	\$542	\$856	\$480	\$13	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ending Fund Balance	\$36,468	\$37,325	\$37,805	\$37,818	\$37,818	\$37,818	\$37,818	\$37,818	\$37,818	\$37,818	\$37,818

PUBLIC BENEFIT FUND

Summary

The Public Benefit Fund may only be used to pay for the portion of sewer extensions or sewer special assessments which the Board of Trustees deems to be of benefit to an area larger than the immediate service area. The projected balance in this fund as of April 30, 2023, is \$37,818.

Revenues

In 2021, money market interest rates had fallen so significantly that the interest earned by Fund 03 investments could not justify staff's bookkeeping expenses. In July of 2021, the District Treasurer transferred the Fund 03 money markets funds to Fund 01 money market funds and the same amount from Fund 01 cash to Fund 03 cash. This essentially reclassified the Fund 03 investment funds to cash. No revenue is shown in the five-year plan.

Expenses

There are no planned expenses over the duration of the five-year plan.

Fund Balance

The remaining fund balance at the end of FY 2027-28, projected to be \$37,818, will be available to fund improvements with public benefit.

When this fund is depleted, the tax cap limitation would prevent the District from adopting a tax levy for public benefit without decreasing the general corporate levy for sewer system repairs by an identical amount. As funding of any future public benefit expenditures may be made from the Improvement or General Corporate Funds, it would not be necessary to continue the Public Benefit Fund.

PROJECTS NOT INCLUDED IN THE PLAN

There are several major projects which have not been included in this financial plan. As these projects may be incorporated into the plan in a future update, they are listed below for reference.

I. WWTC

A. Improvements/Enhancements

1. Capacity expansion from 11.0 MGD to 12.0 MGD and from 12.0 MGD to 15.0 MGD, as needed.
2. Aeration tank feed flow splitter.
3. Nitrogen removal processes.
4. Secondary clarifier feed flow splitter.
5. Additional sludge drying beds.
6. Increase paved area for sludge treatment and storage, included a covered storage area.
7. Composting facility.
8. Improved odor control facilities.
9. Outfall 003 excess flow treatment optimization improvements

B. Replacements

1. Influent bar screens.
2. Raw sewage pumps nos. 1 - 5.
3. Excess clarifier sludge scraping equipment.
4. OSEC generator (consider UV disinfection)
5. Motor control centers

II. SEWER SYSTEM

- A. Permanent flow metering network.
- B. Purchase of sewer grouting equipment.
- C. Garage sized and designed specifically for sewer system program needs.

III. LIFT STATIONS

- A. Install odor control equipment at the Butterfield, Centex, College, Liberty Park, Northwest, Venard and Wroble lift stations.
- B. Major upgrades to College lift station
- C. Second NWLS force main crossing under I-355.

IV. ADMINISTRATION

- A. Relocate office to WWTC site.

DOWNERS GROVE SANITARY DISTRICT
APPROPRIATION ORDINANCE/BUDGET
AVAILABLE FOR PUBLIC REVIEW

The Appropriation Ordinance/Budget of the Downers Grove Sanitary District for the fiscal year May 1, 2023 to April 30, 2024 will be considered for adoption at a regular meeting of the Board of Trustees on March 21, 2023 at 7:00 p.m. at the District office. All Board of Trustees meetings are open to the public for in-person attendance. A copy of the proposed Appropriation Ordinance/Budget will be available for public inspection at the District office beginning February 15, 2023. The District office is located at 2710 Curtiss Street, Downers Grove. Office hours are Monday through Friday, 8:00 a.m. to 4:30 p.m. Digital versions of the proposed Appropriation Ordinance and Budget will be available at the following links as well starting on February 15, 2023: Appropriation Ordinance - <https://www.dgsd.org/wp-content/uploads/appord2024draft.pdf> ; Budget - <https://www.dgsd.org/wp-content/uploads/5yrplan2024draft.pdf>

Please contact the District at (630) 969-0664 or <https://www.dgsd.org/contact-us/> with any questions.

DOWNERS GROVE SANITARY DISTRICT
BUDGET CALENDAR
FOR PREPARATION OF FISCAL YEAR 2023-24 BUDGET

<u>TASK</u>	<u>COMPLETION DATE</u>	<u>PERSON RESPONSIBLE</u>
1) Prepare and distribute budget calendar.	complete	CS
2) Prepare and distribute blank Department 12 & 15 budget expense spreadsheets	complete	ARU
3) Prepare and distribute blank wage recommendations spreadsheet to supervisors	complete	ARU
4) Submit completed wage recommendations.	complete	SUPERVISORS
5) Submit completed preliminary budget requests.	complete	SUPERVISORS & STAFF ENGINEER
6) Completion of DGSD survey re wages and benefits.	complete	ARU
7) Prepare proposed salary schedule for submittal to Board (for increases effective March 26, 2023 and April 1, 2023).	complete	ARU
8) Review salary schedule.	complete	BOARD
9) Review and adjust updated budget requests.	complete	SUPERVISORS/ARU
10) Complete proposed five-year financial plan and appropriation ordinance for submittal to Board.	complete	ARU
11) Initial review of budget documents and authorize publication of availability of appropriation ordinance for public review.	02/14/23	BOARD & STAFF
12) Publish notice that appropriation ordinance is available for public review.	02/16/23	CS
13) Prepare ordinance revisions concerning fees and charges and submit to Board.	03/17/23	ARU
14) Second review of budget documents at regular meeting.	03/21/23	BOARD & STAFF
15) Approve five-year financial plan and adopt appropriation ordinance and ordinance revisions concerning fees and charges.	03/21/23	BOARD
16) Publish appropriation ordinance and user rate ordinance (if applicable).	03/30/23	CS
17) File appropriation ordinance and budget with County Clerk and County Chairman's Office.	04/14/23	CS
18) Prepare levy ordinance and submit to Board.	06/16/23	CS
19) Adopt levy ordinance.	06/20/23	BOARD
20) File levy ordinance with County Clerk and County Chairman's Office.	06/30/23	CS

APPROPRIATION ORDINANCE

AN ORDINANCE MAKING APPROPRIATIONS FOR THE CORPORATE PURPOSES OF THE DOWNERS GROVE SANITARY DISTRICT FOR THE FISCAL YEAR COMMENCING ON THE FIRST DAY OF MAY, A.D. 2023 AND ENDING APRIL THIRTIETH, A.D. 2024.

BE IT ORDAINED by the Downers Grove Sanitary District, a body politic and corporate of the County of DuPage and State of Illinois:

SECTION 1. That the sums hereinafter set forth, or as much thereof as may be authorized by law, be and the same are hereby appropriated for the corporate purposes of the Downers Grove Sanitary District as hereinafter specified, for the fiscal year commencing on the First Day of May, A.D. 2023 and ending on the Thirtieth Day of April, A.D. 2024.

I.	ADMINISTRATION	
	A. Salary and Wages	\$ 1,210,000
	B. Office Oper & Maint Expenses	760,000
	C. Vehicles Oper, Maint & Purchase	<u>10,000</u>
		\$1,980,000
II.	WASTEWATER TREATMENT CENTER	
	A. Salary and Wages	\$ 1,830,000
	B. Operation & Maintenance Expenses	3,730,000
	C. Vehicles Oper, Maint & Purchase	<u>170,000</u>
		\$5,730,000
III.	LABORATORY	
	A. Salary and Wages	\$ 310,000
	B. Operation & Maintenance Expenses	140,000
	C. Vehicles Oper, Maint & Purchase	<u>10,000</u>
		\$ 460,000
IV.	COLLECTION SYSTEM	
	A. Salary and Wages	\$ 610,000
	B. Operation & Maintenance Expenses	5,270,000
	C. Vehicles Oper, Maint & Purchase	<u>700,000</u>
		\$6,580,000
V.	LIFT STATIONS	
	A. Salary and Wages	\$ 30,000
	B. Operation & Maintenance Expenses	<u>700,000</u>
		\$730,000
VI.	INSURANCE AND EMPLOYEE BENEFITS	\$1,630,000
	TOTAL OPERATION AND MAINTENANCE	\$17,110,000

CAPITAL IMPROVEMENTS

VII. TREATMENT CENTER/LABORATORY

A. Renovations to Buildings & Systems	<u>\$ 1,800,000</u>
	\$ 1,800,000

VIII. COLLECTION SYSTEM/LIFT STATIONS

A. Construction/Upgrading – Sewer system, lift station improvements, unsewered area plan revisions	<u>\$ 1,450,000</u>
	\$ 1,450,000

TOTAL CAPITAL IMPROVEMENTS \$ 3,250,000

GRAND TOTAL \$20,360,000

SECTION 2. That the sums hereinafter set forth are estimated receipts and expenditures for the Downers Grove Sanitary District for the fiscal year commencing on the First Day of May, A.D. 2023 and ending on the Thirtieth Day of April, A.D. 2024.

CASH FLOW
FISCAL YEAR 2023-2024

SEE ATTACHMENT A, attached hereto and made a part of this Ordinance.

RECAPITULATION

1. Total Amount Appropriated..... \$20,360,000
2. Amount of Said Appropriation to be paid from
sources other than real estate taxes (tap-in permits, user
fees, trunk sewer service fees, Federal and
State grants and loans, etc.)..... \$18,956,300
3. Amount of Said Appropriation to be paid
from real estate taxes..... \$ 1,403,700

SECTION 3. That the total sum of Twenty Million Three Hundred Sixty Thousand Dollars (\$20,360,000) is hereby appropriated. It is furthermore provided that all unexpended balances of any item or items of any general appropriation made by this ordinance may be expended in making up any insufficiency in any item or items for the same general purpose or in a like appropriation made by this ordinance.

SECTION 4. This ordinance shall be in full force and effect from and after its passage, approval, and publication as provided by law.

Passed this 21st day of March, A.D. 2023

Recording Vote:

Ayes: _____

Nays: _____

Approved this 21st day of March, A.D. 2023

BY: _____

President, Board of Trustees of Downers Grove
Sanitary District, DuPage County, Illinois

ATTEST:

Clerk

Recorded this 21st day of March, A.D. 2023

ATTACHMENT A

CASH FLOW
FISCAL YEAR 2023-2024

	<u>General Corporate</u>	<u>Improvement</u>	<u>Construction</u>	<u>Public Benefit</u>
Projected Cash Balance on 5/1/23	<u>\$ 6,499,709</u>	<u>\$ 567,322</u>	<u>\$ 1,768,055</u>	<u>\$ 37,818</u>
Receipts:				
Const and Televising Insp Fees	650			
User Fees	8,796,600			
Interest	67,050	4,700	17,700	
Plan Review Fees	500			
Surcharges	418,000			
Permit Insp Fees	20,000			
Sampling Charges	113,000			
Tap-in Fees			250,000	
Trunk and Lateral Sewer Charges		90,000		
Replacement Taxes	120,000			
Real Estate Taxes	1,403,700			
Grease Waste	230,000			
Interfund Transfer	(800,000)	800,000		
Miscellaneous	<u>1,707,881</u>	<u> </u>	<u> </u>	<u> </u>
Total Receipts	<u>12,077,381</u>	<u>894,700</u>	<u>267,700</u>	<u> </u>
Subtotal	<u>\$ 18,577,090</u>	<u>\$ 1,462,022</u>	<u>\$ 2,035,755</u>	<u>\$ 37,818</u>
Disbursements:				
O & M Budget	17,110,000			
Capital Improvements Budget	<u> </u>	<u>1,450,000</u>	<u>1,800,000</u>	<u>0</u>
Total Disbursements	<u>17,110,000</u>	<u>1,450,000</u>	<u>1,800,000</u>	<u>0</u>
Projected Cash Balance on 4/30/24	<u>\$ 1,467,090</u>	<u>\$ 12,022</u>	<u>\$ 235,755</u>	<u>\$ 37,818</u>

STATEMENT OF ESTIMATED REVENUES

I, Carly Shaw, Treasurer of the Downers Grove Sanitary District, do hereby state that the above document entitled "Cash Flow, Fiscal Year 2023-2024" indicates an estimate of revenues by source anticipated to be received in Fiscal Year 2023-2024.

DOWNERS GROVE SANITARY DISTRICT

BY: _____
Treasurer

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: February 6, 2023

RE: Administrative Services Progress Report – January 2023

ADMINISTRATIVE

Personnel

We are currently seeking applicants for the Sewer System Engineering Technician position.

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.

Dupage County Ethics Training

Most employees and public officials for the District have completed this training. Reminders have been sent to those that have not.

OSHA Log

As required by the Illinois Department of Labor, the OSHA Form 300A for 2022 has been completed and will be posted from February 1 to April 30.

Technology Update

Concentric Integration has completed migrating various services off the District's old Admin IT server and onto the new replacement server.

Chris Larson at Sound informed me that our copper lines will be decommissioned effective March 31, 2023. My recommended solution for the District's phone system is currently in review so that we may implement the change prior to this date to avoid any disruption. I am also obtaining quotes to replace the elevator line in the plant and the line that supports the SCADA alarming communications through Win911 in the Admin Center as they currently use copper lines.

There is no update on the City Insight billing portal. Our Senior Billing Coordinator continues working with Ketul Patel at Curtis Martin testing billing files from the Village of Downers Grove

to see if they work with the updates that have been done so far to our billing software.

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:	105
# of Customers paying their bills online in the last month:	2,285
Amount of Money processed through the Portal in the last month:	\$156,054.63
# of Customers signing up for Autopay through the Portal in the last month:	113
# of Customers enrolled in paperless billing in the last month:	119
# of customers registered for pay by text in the last month:	25
Cost to District for providing Invoice Cloud service in the last month:	\$600.30
Cost to District's customers (convenience fees) in the last month:	\$3,720.27
Estimated Monthly savings from customers enrolled in paperless billing:	\$141.45
# of Customers registered from launch through last month:	7,856
# of Customers signing up for Autopay through the Portal from launch through last month:	3,706
# of Customers enrolled in paperless billing from launch through last month:	4,715
# of customers registered for pay by text from launch through last month:	2,439

FINANCIAL

Annual Budget and Five-Year Plan

The budget preparation for FY23-24 and 4-year projections for the Administration department has been completed.

District Property and Liability Insurance

We are awaiting renewal quotes from Corkill Insurance Company for the District's insurance packages. All the insurance policies have an effective renewal date of April 14, 2023 (except for the Tank Storage Pollution policy effective date of April 7, 2023). I will be meeting with Mitch Backes of Corkill Insurance Company on February 9 to discuss renewals in more detail. He also plans to attend the regular March 21 Board meeting in order to provide the Board with the final premiums proposal.

Economic Interest Statements

The list of employees and officers required to file Economic Interest Statements in 2023 was verified electronically with the County Clerk as required by statute. The Statement will be sent to those individuals by email early March. I will be able to check the filing status on the website.

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.

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 January 2023 were as follows:

User	\$239,005.93
Surcharge	20,405.65
Monthly fees	375,250.05
Total	<u>\$634,661.63</u>
Summer Usage Adjustment	\$0.00
Billable Flow	116,588,259
Budgeted Billable Flow	118,485,795
% Actual/Budgeted Billable Flow	98.40%
YTD Billable Flow	1,515,924,580
YTD Budgeted Billable Flow	1,516,625,494
% Actual/Budgeted Billable Flow	99.95%

The user accounts receivable balance on 1/31/2023 is \$596,645.82 and consists of:

Current charges due 2/15/2023	\$475,504.15
Past due charges and penalty	121,141.67
Total	<u>\$596,645.82</u>

The past due charges represent:

<u>Age</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Totals</u>
30 days past due	\$43,372.05	\$8,308.67	\$51,680.72
60 days past due	19,778.27	3,176.38	22,954.65
90 days & greater past due	40,007.16	6,499.14	46,506.30
	<u> </u>	<u> </u>	<u> </u>
Totals	\$103,157.48	\$17,984.19	\$121,141.67

Summary of
Past Due Charges
(90 Days and Over)

Five Year Comparison

January

<u>Year</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
2023	\$40,007.16	\$6,499.14	\$46,506.30
2022	77,774.61	14,061.89	\$91,836.50
2021	105,977.30	15,756.19	121,733.49
2020	40,668.53	5,110.21	45,778.74 *
2019	40,850.54	4,813.96	45,664.50 *

*Includes \$358.50 in sewer disconnection costs on 1 account

Twelve Months Ending JANUARY 2023

<u>Month Ending</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
1/31/23	\$40,007.16	\$6,499.14	\$46,506.30
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

There were 26 accounts scheduled for Pre-Enforcement on January 16, 2023 of which 12 have paid in full. There are 42 account scheduled for Pre-Enforcement for February 15, 2023 of which 8 have paid in full.

To: Amy Underwood, General Manager
From: Marc Majewski, Operations Supervisor
Re: Month of January 2023, WWTC Operations Report.
Date: February 7, 2023

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

Certain highlights of operational activities included:

- Monthly flow: Average daily flows to the plant were 10.85 MGD. Total precipitation at the WWTC was 2.61". There was 1 day of excess flow during the month of January. There were 9 days of discharge over 11 MGD.
- Activated sludge: Good operating performance was observed throughout the month of January. Floc formers are still predominating leading to good solids settling.
- Anaerobic Digesters: Pumped a total of 1,055,441 gallons of primary sludge, 290,763 gallons of TWAS, and 273,336 gallons of waste grease for a total of 1,619,540 gallons pumped to digesters. Total Volatile Solids destruction was calculated at 61.5 % for January.
- Digester gas: Total digester gas production was 5,176,278 cubic feet. 259,339 cubic feet of gas was used for anaerobic digestion heat, and 3,302,993 cubic feet was used in the CHP facilities. 873,500 cubic feet of flared gas was recorded during the month. The Munters dehumidifier used 740,445 cubic feet of gas.
- Biosolids: Bio-mechanics have been doing annual preventative maintenance on bio equipment in preparation for the upcoming drying and delivery season.
- Electricity: Overall net energy from ComEd was: 98,672 KW-Hrs. Electricity Generated by the CHP system was 260,534 KW-Hrs. Monthly net energy (including natural gas usage) was 141 MW-Hrs for the month of January.

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
1/1/2023	0.17	12.09	6.27	8.98	0.00	0.00	0.00	0.00	0.00	0.00	8.98	12.09	0.00
1/2/2023	0.00	12.10	5.56	8.78	0.00	0.00	0.00	0.00	0.00	0.00	8.78	12.10	0.00
1/3/2023	1.19	21.90	7.83	18.67	21.96	9.25	0.00	0.00	0.00	0.00	27.92	43.86	8.26
1/4/2023	0.01	23.11	17.49	19.88	3.96	0.08	0.00	0.00	0.00	0.00	19.96	27.06	0.00
1/5/2023	0.01	21.02	12.60	15.82	0.00	0.00	0.00	0.00	0.00	0.00	15.82	21.02	0.00
1/6/2023	0.00	16.94	9.66	12.51	0.00	0.00	0.00	0.00	0.00	0.00	12.51	16.94	0.00
1/7/2023	0.00	15.98	8.01	10.99	0.00	0.00	0.00	0.00	0.00	0.00	10.99	15.98	0.00
1/8/2023	0.00	16.98	7.13	10.26	0.00	0.00	0.00	0.00	0.00	0.00	10.26	16.98	0.00
1/9/2023	0.00	15.54	6.82	9.95	0.00	0.00	0.00	0.00	0.00	0.00	9.95	15.54	0.00
1/10/2023	0.00	12.05	6.29	9.34	0.00	0.00	0.00	0.00	0.00	0.00	9.34	12.05	0.00
1/11/2023	0.00	12.03	6.10	9.14	0.00	0.00	0.00	0.00	0.00	0.00	9.14	12.03	0.00
1/12/2023	0.00	11.63	5.92	8.91	0.00	0.00	0.00	0.00	0.00	0.00	8.91	11.63	0.00
1/13/2023	0.00	11.34	5.36	8.30	0.00	0.00	0.00	0.00	0.00	0.00	8.30	11.34	0.00
1/14/2023	0.00	11.81	5.19	8.05	0.00	0.00	0.00	0.00	0.00	0.00	8.05	11.81	0.00
1/15/2023	0.00	11.75	4.91	7.94	0.00	0.00	0.00	0.00	0.00	0.00	7.94	11.75	0.00
1/16/2023	0.23	17.10	4.95	9.55	0.00	0.00	0.00	0.00	0.00	0.00	9.55	17.10	0.00
1/17/2023	0.00	14.86	6.63	9.21	0.00	0.00	0.00	0.00	0.00	0.00	9.21	14.86	0.00
1/18/2023	0.30	18.36	5.40	8.95	0.00	0.00	0.00	0.00	0.00	0.00	8.95	18.36	0.00
1/19/2023	0.20	20.41	10.00	15.89	0.00	0.00	0.00	0.00	0.00	0.00	15.89	20.41	0.00
1/20/2023	0.00	17.15	11.71	13.77	0.00	0.00	0.00	0.00	0.00	0.00	13.77	17.15	0.00
1/21/2023	0.00	15.21	8.43	11.75	0.00	0.00	0.00	0.00	0.00	0.00	11.75	15.21	0.00
1/22/2023	0.09	15.15	7.95	11.44	0.00	0.00	0.00	0.00	0.00	0.00	11.44	15.15	0.00
1/23/2023	0.00	16.04	7.83	10.69	0.00	0.00	0.00	0.00	0.00	0.00	10.69	16.04	0.00
1/24/2023	0.00	12.19	6.94	9.82	0.00	0.00	0.00	0.00	0.00	0.00	9.82	12.19	0.00
1/25/2023	0.35	16.01	6.76	10.67	0.00	0.00	0.00	0.00	0.00	0.00	10.67	16.01	0.00
1/26/2023	0.00	15.82	8.23	11.02	0.00	0.00	0.00	0.00	0.00	0.00	11.02	15.82	0.00
1/27/2023	0.06	15.34	7.51	10.21	0.00	0.00	0.00	0.00	0.00	0.00	10.21	15.34	0.00
1/28/2023	0.00	15.31	6.60	9.33	0.00	0.00	0.00	0.00	0.00	0.00	9.33	15.31	0.00
1/29/2023	0.00	14.76	6.05	9.20	0.00	0.00	0.00	0.00	0.00	0.00	9.20	14.76	0.00
1/30/2023	0.00	14.97	5.50	8.79	0.00	0.00	0.00	0.00	0.00	0.00	8.79	14.97	0.00
1/31/2023	0.00	15.30	5.24	8.52	0.00	0.00	0.00	0.00	0.00	0.00	8.52	15.30	0.00
Minimum	0.00	11.34	4.91	7.94	0.00	0.00	0.00	0.00	0.00	0.00	7.94	11.34	0.00
Maximum	1.19	23.11	17.49	19.88	21.96	9.25	0.00	0.00	0.00	0.00	27.92	43.86	8.26
Total	2.61	480.26	230.90	336.33	25.91	9.33	0.00	0.00	0.00	0.00	345.66	506.17	8.26
Average	0.08	15.49	7.45	10.85	0.84	0.30	0.00	0.00	0.00	0.00	11.15	16.33	0.27

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
1/1/2023	8.98		84,205	18.40							
1/2/2023	8.78		84,205	18.65							
1/3/2023	18.67	1,943	60,278	13.08	20	15	14	79	4,242		
1/4/2023	19.88		60,278	13.18							8.4
1/5/2023	15.82	2,419	75,046	16.63	27	21	19	86	3,686		9.2
1/6/2023	12.51	2,160	67,023	11.50	28	22	19	102		6,674	9.2
1/7/2023	10.99		67,023	13.00							
1/8/2023	10.26		67,023	12.60							
1/9/2023	9.95	2,845	88,252	19.51	36	27	23	96		5,722	9.1
1/10/2023	9.34	2,704	83,878	18.19	39	29	24	106	4,958		8.9
1/11/2023	9.14	2,881	89,367	16.92	43	31	26	107		6,128	9.0
1/12/2023	8.91	2,556	79,288	14.68	35	26	23	103	4,781		
1/13/2023	8.30	2,690	83,465	16.82	32	27	22	99		5,586	
1/14/2023	8.05		83,465	16.29							
1/15/2023	7.94		83,465	16.52							
1/16/2023	9.55	2,931	90,918	18.45	47	33	25	111		5,274	9.0
1/17/2023	9.21	2,768	85,867	16.91	48	33	25	119	4,888		8.8
1/18/2023	8.95	2,857	110,216	19.81	36	26	22	92		4,629	9.0
1/19/2023	15.89	2,319	71,934	16.17	33	24	21	102	4,621		
1/20/2023	13.77	2,368	73,449	10.85	36	26	22	109		6,978	
1/21/2023	11.75		73,449	10.79							
1/22/2023	11.44		73,449	10.95							
1/23/2023	10.69	2,493	77,328	16.09	43	31	25	125		4,956	9.1
1/24/2023	9.82	2,593	80,434	16.52					4,476		8.9
1/25/2023	10.67	2,247	69,721	14.47	43	31	23	139		5,085	8.7
1/26/2023	11.02	2,295	71,209	15.30	48	33	25	143	4,536		
1/27/2023	10.21	2,522	78,226	16.72	54	38	28	152		5,156	
1/28/2023	9.33		78,226	16.55							
1/29/2023	9.20		78,226	16.59							
1/30/2023	8.79	2,462	76,371	17.93	61	43	30	174		4,767	9.1
1/31/2023	8.52	2,496	77,420	17.69	68	50	34	200	4,710		9.1
Minimum	7.94	1,943	60,277.93	10.79	19.76	15.25	13.76	78.70	3,686	4,629	8.4
Maximum	19.88	2,931	110,215.56	19.81	67.53	50.28	34.30	200.42	4,958	6,978	9.2
Total	336.33	50,545	2,422,701.30	487.78	776.68	566.03	449.68	2,243.18	40,898	60,955	125.5
Average	10.85	2,527	78,151.74	15.73	40.89	29.79	23.68	118.11	4,544	5,541	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
1/1/2023	8.98							38	46	
1/2/2023	8.78	168			1.4	102	98.6	32	47	
1/3/2023	18.67	128	62	3.6	1.6	249	97.5	40	54	53.2
1/4/2023	19.88	125			1.2	199	98.1	34	44	54.7
1/5/2023	15.82	162		3.0	1.4	185	98.5	32	35	54.5
1/6/2023	12.51							25	33	
1/7/2023	10.99							27	33	
1/8/2023	10.26							26	34	
1/9/2023	9.95	152			1.6	133	98.3	25	46	55.0
1/10/2023	9.34	210	84	1.9	1.9	148	98.7	34	52	55.1
1/11/2023	9.14	248			2.4	183	98.7	36	57	55.6
1/12/2023	8.91	265	98	1.4	2.4	178	98.6	36	46	55.4
1/13/2023	8.30							26	36	
1/14/2023	8.05							24	33	
1/15/2023	7.94							26	45	
1/16/2023	9.55	195			2.4	191	98.1	40	52	55.6
1/17/2023	9.21	179	108	2.9	1.9	146	98.0	38	50	55.8
1/18/2023	8.95	164			1.8	134	97.7	37	40	55.0
1/19/2023	15.89	182			1.8	239	98.4	35	43	54.1
1/20/2023	13.77							31	36	
1/21/2023	11.75							29	32	
1/22/2023	11.44							28	36	
1/23/2023	10.69	155			1.0	89	98.7	23	32	53.8
1/24/2023	9.82	160	120	2.2	1.1	90	98.3	29	40	53.6
1/25/2023	10.67	145			1.4	125	97.4	32	36	54.0
1/26/2023	11.02	169	90	4.2	2.3	211	97.9	15	33	53.6
1/27/2023	10.21							13	37	
1/28/2023	9.33							20	37	
1/29/2023	9.20							18	31	
1/30/2023	8.79	190			3.1	227	97.8	5	18	53.4
1/31/2023	8.52	245	88	2.9	3.4	242	98.0	0	16	53.2
Minimum	7.94	125	62	1.4	1.00	89	97.4	0	16	53.2
Maximum	19.88	265	120	4.2	3.40	249	98.7	40	57	55.8
Total	336.33	3,242	650	22.1	34.10	3,071	1,767.2	926	1,209	925.6
Average	10.85	180	93	2.8	1.89	171	98.2	28	39	54.4

Monthly Operations Report Page 4

	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
1/1/2023	8.98	148			0.4	30	99.7				
1/2/2023	8.78	128			0.4	29	99.7	7.0		7.7	
1/3/2023	18.67	124	46	11.2	1.1	171	99.1	7.5	7.4	7.0	7.1
1/4/2023	19.88	84			1.0	166	98.8	7.8	7.7	7.1	7.4
1/5/2023	15.82	126		4.4	0.6	79	99.5	7.8	7.8	7.2	7.3
1/6/2023	12.51	104			0.4	42	99.6	7.8	7.7	7.2	7.3
1/7/2023	10.99	80			0.4	37	99.5				
1/8/2023	10.26	106			0.5	43	99.5				
1/9/2023	9.95	128			0.3	25	99.8	7.7	7.6	7.2	7.2
1/10/2023	9.34	188	42	3.6	0.4	31	99.8	7.7	7.8	7.1	7.1
1/11/2023	9.14	212			0.4	30	99.8	7.6	7.8	7.1	7.3
1/12/2023	8.91	284	49	1.2	0.3	22	99.9	7.7	7.7	7.0	7.1
1/13/2023	8.30	152			0.1	7	99.9	7.7	7.7	7.1	7.2
1/14/2023	8.05	176			1.0	67	99.4				
1/15/2023	7.94	128			0.7	46	99.5				
1/16/2023	9.55	236			0.4	32	99.8	7.5	7.5	7.0	7.1
1/17/2023	9.21	144	58	5.2	0.8	61	99.4	7.7	7.7	7.0	7.1
1/18/2023	8.95	140			0.7	52	99.5	7.6	7.6	7.0	7.1
1/19/2023	15.89	188	52	7.4	1.1	146	99.4	7.6	7.8	6.9	7.0
1/20/2023	13.77	116			0.4	46	99.7	7.7	7.7	7.1	7.2
1/21/2023	11.75	120			0.5	49	99.6				
1/22/2023	11.44	118			0.5	48	99.6				
1/23/2023	10.69	144			0.6	53	99.6	7.7	7.7	7.2	7.3
1/24/2023	9.82	156	49	3.5	0.6	49	99.6	7.8	7.8	7.1	7.2
1/25/2023	10.67	136			0.7	62	99.5	7.6	7.7	7.0	7.3
1/26/2023	11.02	136	56	6.1	0.8	74	99.4	7.6	7.7	7.1	7.3
1/27/2023	10.21	100			0.4	34	99.6	7.6	7.8	7.0	7.3
1/28/2023	9.33	84			0.3	23	99.6				
1/29/2023	9.20	138			0.8	61	99.4				
1/30/2023	8.79	176			0.6	44	99.7	7.6	7.7	7.1	7.2
1/31/2023	8.52	172	53	2.0	0.6	43	99.7	7.7	7.8	7.0	7.1
Minimum	7.94	80	42	1.2	0.1	7	98.8	7.0	7.4	6.9	7.0
Maximum	19.88	284	58	11.2	1.1	171	99.9	7.8	7.8	7.7	7.4
Total	336.33	4,472	405	44.6	17.8	1,704	3,086.7	168.0	161.7	156.2	151.2
Average	10.85	144	51	5.0	0.6	55	99.6	7.6	7.7	7.1	7.2

MONTHLY OPERATIONS REPORT PAGE 5

	Tertiary	Influent	Tertiary Effluent	Tertiary Effluent	Chlorine	Fecal
	Flow	Ammonia-N	Ammonia-N	Ammonia-N Load	Residual	Coliform
Date	MGD	mg/l	mg/l	lbs/day	mg/l	col/100ml
1/1/2023	8.98	15.30	0.10	7.5		
1/2/2023	8.78	14.46	0.10	7.3		
1/3/2023	18.67	6.20	0.10	15.6	0.015	
1/4/2023	19.88	6.00	0.10	16.6	0.015	
1/5/2023	15.82	9.78	0.13	17.1		
1/6/2023	12.51					
1/7/2023	10.99					
1/8/2023	10.26	10.24	0.10	8.6		
1/9/2023	9.95	16.94	0.10	8.3		
1/10/2023	9.34	13.32	0.10	7.8		
1/11/2023	9.14	16.31	0.10	7.6		
1/12/2023	8.91	14.65	0.10	7.4		
1/13/2023	8.30					
1/14/2023	8.05					
1/15/2023	7.94	14.94	0.10	6.6		
1/16/2023	9.55	17.35	0.11	8.8		
1/17/2023	9.21	19.83	0.14	10.7		
1/18/2023	8.95	20.24	0.12	9.0		
1/19/2023	15.89	9.38	0.18	23.9		
1/20/2023	13.77					
1/21/2023	11.75					
1/22/2023	11.44	9.70	0.10	9.5		
1/23/2023	10.69	16.96	0.10	8.9		
1/24/2023	9.82	17.72	0.26	21.3		
1/25/2023	10.67	14.02	0.30	26.7		
1/26/2023	11.02	14.48	0.12	11.0		
1/27/2023	10.21					
1/28/2023	9.33					
1/29/2023	9.20	12.62	0.10	7.7		
1/30/2023	8.79	20.77	0.21	15.4		
1/31/2023	8.52	17.59	0.46	32.7		
Minimum	7.94	6.00	0.10	6.6	0.015	
Maximum	19.88	20.77	0.46	32.7	0.015	
Total	336.33	328.80	3.33	296.0	0.030	
Average	10.85	14.30	0.14	12.9	0.015	

SLUDGE DATA

Primary Sludge	TS	3.35 %	1,051,937 Gallons
WAS to Thickener	TS	2.40 %	743,760 Gallons
TWAS to Digester 4	TS	6.27 %	290,763 Gallons
Hauled Grease to Digs	TS	9.60 %	273,336 Gallons

Anaerobically Digested Sludge Pumping

to Drying Beds	TS	3.70 %	199,428 Gallons
to BFP	TS	2.83 %	691,133 Gallons
to Lagoons	TS	%	Gallons
Total			890,561 Gallons
VS Destruction			61.5 %

Biosolids Disposal

Class A Distribution	Jan	Dry Tons
Class B Hauling	Jan	Dry Tons
Total	Jan	Dry Tons
Class A Distribution	YTD	Dry Tons
Class B Hauling	YTD	Dry Tons
Total	YTD	Dry Tons

ENERGY DATA

Total Digester Gas Production	5,247,372 SCF
Gas Volume per Volatile Solids Load	8.6 Cu.Ft./Lb.

Digester Gas Utilization

Heat Exchangers	258,288 SCF
Dehumidification	751,093 SCF
CHP	3,299,420 SCF
Total	4,308,800 SCF

Digester Gas Flared

938,572 SCF

Natural Gas Consumed

WWTC	40,500 SCF
MSB	48,833 SCF
Chemical Feed	46,367 SCF
5006 Walnut	17,275 SCF

Kilowatt-hours Generated CHP	260,534 KWH
Net energy from Comed	99,581 KWH
Monthly net energy	142 MWH

MISCELLANEOUS

Grit Removal	Jan	20 Cu. Yds
Grit Removal	YTD	20 Cu. Yds
Anaerobic Supernate		601,872 Gallons
Waste Activated Sludge		108,830 Gals/Day
City Water Consumed		34,134 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
1/1/2023	8.98											
1/2/2023	8.78											
1/3/2023	18.67											
1/4/2023	19.88											
1/5/2023	15.82											
1/6/2023	12.51											
1/7/2023	10.99											
1/8/2023	10.26											
1/9/2023	9.95											
1/10/2023	9.34						28.0	16.2	2,122.4	1,261.6	40.6	
1/11/2023	9.14											
1/12/2023	8.91	4.24	2.80	312.5	208.1	34.0						20.56
1/13/2023	8.30											
1/14/2023	8.05											
1/15/2023	7.94											
1/16/2023	9.55											
1/17/2023	9.21											
1/18/2023	8.95											
1/19/2023	15.89											15.26
1/20/2023	13.77											
1/21/2023	11.75											
1/22/2023	11.44											
1/23/2023	10.69	3.66	1.87	319.3	166.7	48.9						
1/24/2023	9.82											
1/25/2023	10.67											
1/26/2023	11.02											19.04
1/27/2023	10.21											
1/28/2023	9.33											
1/29/2023	9.20											
1/30/2023	8.79											
1/31/2023	8.52											
Minimum	7.94	3.66	1.87	312.5	166.7	34.0	28.0	16.2	2,122.4	1,261.6	40.6	15.26
Maximum	19.88	4.24	2.80	319.3	208.1	48.9	28.0	16.2	2,122.4	1,261.6	40.6	20.56
Total	336.33	7.90	4.67	631.8	374.8	82.9	28.0	16.2	2,122.4	1,261.6	40.6	54.86
Average	10.85	3.95	2.34	315.9	187.4	41.5	28.0	16.2	2,122.4	1,261.6	40.6	18.29

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 01/01/23 to 01/31/23

DMR Due Date:

02/25/23

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						=	8.9	=	8.6	=	7.6	19 - mg/L	0	03/DW - 3 Days Every Week	GR - GRAB
					Permit Req.							Req Mon MO AV MN		Req Mon MN WK AV		Req Mon DAILY MN	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample								=	4.5	=	8.2	19 - mg/L	0	04/07 - Four Per Week	CP - COMPOS
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.9			=	7.7	12 - SU	0	05/DW - 5 Days Every Week	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	1.1	=	2.9	19 - mg/L	0	05/DW - 5 Days Every Week	GR - GRAB
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample								=	0.25	=	2.54	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		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	2.11	=	2.8	19 - mg/L	0	03/30 - Three Per Month	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								=	0.63			19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	0.75 MO AVG			19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample										=	20.0	13 - #/100mL	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.										<=	400.0 DAILY MX	13 - #/100mL		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	337.39	80 - Mgal/mo								0	99/99 - Continuous	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									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

31 days of discharge, including 1 day combined with A01 and zero days combined 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:	2023-02-07 14:26 (Time Zone: -06:00)
<i>Report Last Signed By</i>	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-02-08 14:10 (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 01/01/23 to 01/31/23

DMR Due Date:02/25/23

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										=	7.6	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							=	25.8		=	25.8	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					=	7.3				=	7.3	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							=	17.2		=	17.2	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										=	2.54	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							=	1.67		=	1.67	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							=	0.63				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										=	20.0	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			=	8.26	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:	2023-02-07 14:28 (Time Zone: -06:00)
<i>Report Last Signed By</i>	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-02-08 14:10 (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 01/01/23 to 01/31/23

DMR Due Date:

02/25/23

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														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:	2023-02-07 14:28 (Time Zone: -06:00)
<i>Report Last Signed By</i>	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-02-08 14:10 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

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

Facility Location:5003 WALNUT AVENUE
DOWNERS GROVE, IL 60515

Permitted Feature:A01
External Outfall

Discharge:A01-0
EXCESS FLOW FROM EXCESS FLOW CLARIFIERS

Report Dates & Status

Monitoring Period:From 01/01/23 to 01/31/23

DMR Due Date:02/25/23

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										=	46.4	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample										=	37.0	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample										=	5.18	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	1.66	=	1.66	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	9.33	80 - Mgal/mo								0	DL/DS - Daily When Discharging	CN - CONTIN
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Discharging	CN - CONTIN
					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: 1/3/23-1/4/23, discharging for 19.3 hours. 1.19 inches of rain over 13 hours. B01 flow rate at A01 start time: 15,672 gpm.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2023-02-07 14:32 (Time Zone: -06:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2023-02-08 14:10 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

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

Facility Location: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 01/01/23 to 01/31/23

DMR Due Date:02/25/23

Status:NetDMR Validated

Considerations for Form Completion

W0430300002 ; DMF LOAD LIMITS DISPLAYED.

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			
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Sample										=	52.3	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	=	8.9	=	8.4	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						=	6.9			=	7.7	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										=	172.0	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	=	54.96	=	171.27	26 - lb/d			=	0.6	=	1.1	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										=	16.2	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	0	--	Sample	=	12.87	=	32.69	26 - lb/d			=	0.14	=	0.46	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										<	1.0	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															
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample										=	16.2	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								=	2.34	=	2.8	19 - mg/L	0	02/30 - Twice 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								=	2.66	=	2.66	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										=	223.0	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	=	10.85	=	19.88	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/Occurrences	GR - GRAB
					Permit Req.									<=	0.05 DAILY MX	19 - mg/L			CL/OC - Chlorination/Occurrences	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	170.63	=	249.11	26 - lb/d				=	1.9			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				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: 2023-02-08 13:55 (Time Zone: -06:00)

Report Last Signed By

User: reeseberry

Name: Dorrance Berry

E-Mail: rberry@dgsd.org

Date/Time: 2023-02-08 14:10 (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:

C01
External Outfall

Discharge:

C01-0
EXCESS FLOW FROM INTERMEDIATE CLARIFIER #1

Report Dates & Status

Monitoring Period:

From 01/01/23 to 01/31/23

DMR Due Date:

02/25/23

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

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:

2023-02-07 14:47 (Time Zone: -06:00)

Report Last Signed By

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2023-02-08 14:10 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

IL0028380

Major:

Yes

Permittee:

DOWNERS GROVE SANITARY DISTRICT

Permittee Address:

2710 CURTISS STREET PO BOX 1412
DOWNERS GROVE, IL 60515

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:

5003 WALNUT AVENUE
DOWNERS GROVE, IL 60515

Permitted Feature:

INF
Influent Structure

Discharge:

INF-L
INFLUENT MONITORING

Report Dates & Status

Monitoring Period:

From 01/01/23 to 01/31/23

DMR Due Date:

02/25/23

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								=	180.0			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
					Permit Req.									Req Mon MO AVG			19 - mg/L		09/99 - See Permit	CP - COMPOS
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	144.0			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
					Permit Req.									Req Mon MO AVG			19 - mg/L		09/99 - See Permit	CP - COMPOS
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample										=	28.0	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															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample										=	4.24	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															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	10.81	=	20.39	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:

2023-02-07 14:49 (Time Zone: -06:00)

Report Last Signed By

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2023-02-08 14:10 (Time Zone: -06:00)

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Amy Underwood, General Manager

FROM: Jeff Barta, Maintenance Supervisor

DATE: February 8, 2023

SUBJECT: January 2023 Maintenance Report

Attached is a work order summary detailing equipment repair and preventive maintenance activities conducted by the maintenance/electrical department during January 2023.

Special projects in January included:

Excess Flow Raw Sewage Pump 7 – Overhaul & Wear Ring Replacement

On May 24th, 2022, we investigated a low GPM output and noise issue on excess flow raw sewage pump 7. After removing the pump from service, we found the impeller wear ring had broken off and pieces of the ring were grinding on the stationary volute wear ring causing the noise. The pump was brought to the Maintenance building to be disassembled for an overhaul and to determine the extent of damage on the impeller and the wear rings.

Fortunately, the impeller was not damaged when the impeller wear ring had failed. This saved us \$11,912.00 for a replacement. This pump did however require a typical overhaul, which includes a new mechanical seal, bearings, grease & oil seals. The damaged impeller and volute wear rings will also need to be replaced.

The standard pump overhaul parts were in stock from the manufacture and were readily available. The wear rings were not available and had to be manufactured by an outsourced vendor for Flowserve. When we received the proposal from Flowserve, I was absolutely shocked at the cost of the volute wear ring! Typically, a replacement wear ring for this size pump would cost around \$3,000.00. The quote for the impeller wear ring was right in line at \$2,657.80, the quote for the volute wear ring was \$14,878.35. There is absolutely no way this item could cost this much, and I felt that this had to be a mistake.

After numerous attempts, over the next several months, between myself, our manufacturer's representative (LAI) and Flowserve, no one could give me any explanation as to why the volute wear ring was so expensive. At that point, we decided to purchase the standard pump overhaul parts, and only the impeller wear ring from LAI. We needed to find another source to get the volute wear ring manufactured locally.

After doing some research, we found a local machine shop through our bearing supplier (Motion Industries) who was willing to make us a volute wear ring if we could provide them with the documentation with the specifications. District staff were able to draw up what we needed and provided it to the machinist. The proposal from Motion Industries to machine a new volute wear ring locally was \$3,253.73. This also included blue printing their new volute wear ring and the impeller wear ring for future purchases. Obviously, we gave them the notice to proceed and placed the order.

While we were waiting on the delivery of the manufactured volute wear ring, we also sent the 100-hp motor and drive shaft out to also be serviced/overhauled. The drive shaft had the u-joints replaced and the assembly was balanced. The motor was re-conditioned, the drive end bearing housing was repaired, and new bearings were installed.

Once all the parts were received, the pump was re-assembled in the shop by district staff and re-installed with the re-conditioned motor and driveshaft. The pump has been put back in service and is operating as expected.

The total cost for this pump repair and overhaul including items and services purchased from LAI, Driveshafts Unlimited, Motion Industries, Northwest Electric Motors, McMaster Carr & Home Depot was \$11,226.82.

Grit Pump 2 – Overhaul & Mechanical Seal Replacement

Grit pump 2 was removed from service due to a bearing failure. The pump was brought to the Maintenance building to be disassembled, cleaned and inspected. This pump required a complete overhaul including new bearings, oil & grease seals, shaft replacement, and a new mechanical seal.

Fortunately, we had all of the overhaul parts in stock, and we were able to rebuild this pump and get it back in service within 3 days. After the pump was overhauled, it was re-installed, put back in service, and is operating as expected. The parts that were used from stock for this overhaul were re-ordered for stock from LAI, Motion Industries, and John Crane.

The total cost for this pump overhaul was \$6,131.95.

Work Order Summary

Work Order Completion Dates from 1/3/2023 to 1/31/2023

Work Assignment	Completion Date	Equipment	NOTATIONS
Replaced wash down hose, spicket at belt press	03-Jan-23	Belt Filter Press	Replaced water spicket with ball valve, replaced hose.
Fill gap on East grit entry door		Grit Building	Fabricated plate extension on bottom of East grit door to accept threshold sweep. Purchased and installed sweep.
Replace the east hydronic unit heater that is leaking.	04-Jan-23	Digester 3 Control Building	Remove the old leaking unit heater and install new unit.
Annual proof of Insurance to be sent to OSFM		Emerg Gen Diesel Storage Tank	
Replace small cooling filters for ABS #2	05-Jan-23	Aeration Blower ABS #2	
2 MONTH EXERCISE OF INTERMEDIATE VALVES		Excess Flow Pump Station	
		Intermediate Sludge Pump 1	
		Intermediate Sludge Pump 2	
Exercise Ratio Valve #2		Tunnel - System 2 RAS	
Exercise both 24" primary influent ratio valves		Tunnel From PS to Grit	
		Tunnel/Chan Primary Clarifiers	
Flush Pearth 2 with 3 oz of Kerosene/Oil mixture	06-Jan-23	Digester 2 Mixing System	
Monthly Liquid Status of Under Ground Diesel Tank		Emerg Gen Diesel Storage Tank	
Demag motor fail.		Excess Flow Clarifier 1	Remove and replace Demag motor on traveling bridge for tanks 1 & 2. Repair & removed motor for stock.
		Excess Flow Clarifier 2	
Exercising of Inf, Eff, Drain and fill valves at Filter Building		Filter 1	
		Filter 2	
		Filter 3	
		Filter 4	
		Filter 5	
		Filter 6	
Perform internal cleaning of OSEC Generator.		Hypochlorite OSEC Generator	Cleaned OSEC with muriatic acid solution.
6 months greasing of op station roof vent blowers		Operations Center	
Grease Tracks, Check Lube Sites On Bar Screens #1 & #2	09-Jan-23	Bar Screen 1	
		Bar Screen 2	
		Bar Screen Rag Compactor	
500 Hour Oil Change on Pearth 4		Digester 4 Mixing System	
12 Month/10,000 Mile Synthetic Oil Change (2013 F-150) # 349 (Todd)	10-Jan-23	2013 FORD F-150 Reg Cab	Change oil & filter. Use Mobil 1 full synthetic oil. Check air and cabin filters, replace if necessary. Rotate tires & check air pressure. 37,739 miles Oil & Filter #37.70.

Work Assignment	Completion Date	Equipment	NOTATIONS
Cleaning of radiator fins on Unison chiller & Both Nissen dump radiators		CHP Engine Genset #2	Remove panels & clean radiator fins on Unison Chiller. Also clean fins on both dump radiators.
		CHP Gas Cleaning System	
Replace Air Filters On Both Fume Hood Air Make Up Systems		Laboratory	Replace filters on both air make up systems for the fume hoods.
Replace malfunctioning level transducer.	11-Jan-23	Grease Receiving Tank - West	Replace existing level transducer with new transducer. Configure and test operation.
Six Month Oil Change Intermediate Tanks 1 - 2 - 3		Intermediate Clarifier 1	
		Intermediate Clarifier 2	
		Intermediate Clarifier 3	
Troubleshoot failure to open issues.		WWTC Main Gate	Replace main control board on the gate operator. Also found and replaced bad wiring between belt press building and gate operator.
Troubleshoot check engine light on vehicle 326	12-Jan-23	2011 Ford F-250	Troubleshoot check engine light, replaced ignition coil on #5 cylinder.
12 Month/10,000 Mile Synthetic Oil Change (2012 F-350) #307		2012 FORD F-350 LS	Change oil & filter. Use Mobil 1 full synthetic oil. Check air and cabin filters, replace if necessary. Rotate tires & check air pressure. 53,659 miles \$56.02.
Jacket water heater failed on generator.		College Stationary Generator	Replaced generator jacket water heater with new from stock. Ordered new heater for stock.
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Overhaul pump due to bearing failure.		Grit Pump 2	Overhauled pump, new bearings, grease seals, shaft, shaft seals & misc hardware.
Primary sludge valve 6 fail upon open / close signal.		Primary Clarifier 4	Replaced actuator with new. Plug valve failed internally, replaced with new. Replaced 6" scum pit drain valve when replacing 6" sludge valve. Modified valve stem extension. Confined permit entry.
Replace worn brakes and broken mirror.	13-Jan-23	2012 FORD F-350 LS	Replaced broken mirror with new. Replaced front and rear brake pads & rotors. Repacked front wheel bearings.
Pneumatic hose leak.		2014 VACCON PD3611	Removed and replaced leaking air house with new.
Procure gantry crane for CHP services.		CHP Engine Genset #1	Ordered gantry crane and trolley(2) from Northern Tool.
		CHP Engine Genset #2	
12 Month/10,000 Mile Synthetic Oil Change (2015 Ford Van #320 Oscar	16-Jan-23	2015 Ford Truck Transit Van	Change oil & filter. Use Mobil 1 full synthetic oil. Check air and cabin filters, replace if necessary. Rotate tires & check air pressure. 84,507 miles \$56.02.
500 Hour PM Work on 2017 JD 544K		2017 Deere 544K Wheel Loader	Performed 500 hrs PM, replaced bad backup alarm. Reordered parts that were used.
20,939 Miles - Oil Change		2021 F150 4x4 (System)	Change oil & filter. Used Mobil 1 Full Synthetic oil. Also rotate tires.
2,788 Miles - Oil Change		2021 Ford F150 4x2	
3 MONTH CHANGE OF PREFILTERS ON HONEYWELL AIR PUR		Administration Center	
Hydraulic leak from Steer cylinder.		Belt Filter Press	Remove and replace steering cylinder with new.
3 MONTH CHANGE OF PREFILTERS ON HONEYWELL AIR PUR		Laboratory	

Work Assignment	Completion Date	Equipment	NOTATIONS
		Maintenance Services Building	
		Operations Center	
3 Months Inspection on Electric Carts and Front End Loader	17-Jan-23	2014 Club Car Carry-all #2	
		2016 Club Car Carryall 300	
13,123 Miles - Oil Change		2018 Ford F-150 2WD Reg Cab	Change oil & filter. Used Mobil 1 Full Synthetic oil. Also rotate tires & Replace Air and Cabin Filter.
3 Months Inspection on Electric Carts and Front End Loader		2019 Yamaha UMAX 2 AC (#3)	
Monthly Fire Extinguishers Inspection		5006 Walnut Eqpmnt Strge Bldg	
		Administration Center	
		Bar Screen Building	
		Belt Filter Press Building	
		Bisulfite Building	
		Blower Building	
14,739 hours. Perform 700 hour oil change on CHP 1		CHP Engine Genset #1	Changed oil and oil filters. Sent oil sample in for analysis. (IND-66431)
Change small air filter located on Unison Control Panel A/C Air intake		CHP Gas Cleaning System	
Monthly Fire Extinguishers Inspection		Digester 1 and 2 Control Bldg	
		Digester 3 Control Building	
		Digester 4 - 5 Control Buildg	
Run And Inspect Generators With The Load Of The Plant		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Monthly Fire Extinguishers Inspection		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	

Work Assignment	Completion Date	Equipment	NOTATIONS
No power to pole lighting. Replace conduit and pull new wire.		WWTC Outdoor Lighting	Installed new conduit and pulled wire. Made minor repairs at each fixture. Verified operation of all lighting.
12 Month/10,000 Mile Synthetic Oil Change (2015 F-150) # 351 (Bob)	18-Jan-23	2015 Ford F-150 Reg Cab 4x2	Change oil & filter. Use Mobil 1 full synthetic oil. Check air and cabin filters, replace if necessary. Rotate tires and check air pressure. 59,795 miles \$53.37.
Lubricate skid steer and attachment mechanism		2019 Skid Steer	
Test for H2S at Unison Gas skid		CHP Gas Cleaning System	
Annual Sensor Test to be performed on UST		Emerg Gen Diesel Storage Tank	
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	
ANNUAL SERVICE ON TOYOTA FORK LIFT	19-Jan-23	2016 Toyota Forklift	
46,910 Miles - Oil Change		2019 Ford F-150 Pickup	Change oil & filter. Used Mobil 1 Full Synthetic oil. Also rotate tires.
2,788 Miles - Oil Change		2022 Chevy Malibu	
Exercise Of EBARA and Excess Pumps		Excess Flow Pump 06	
		Excess Flow Pump 07	
		Excess Flow Pump 08	
		Excess Flow Pump 09	
		Excess Flow Pump 10	
		Excess Flow Pump 11	
		Excess Flow Pump 12	
	20-Jan-23	2014 AUGER-DAWG G-30 4D091	Performed annual PM Service and inspection of Auger #1.
Repair leaks in bisulfite pumps discharge lines.		Bisulfite Feed Pump 1	Removed and replaced leaking pipe and fittings.
		Bisulfite Feed Pump 2	
EXCESS 003- Exercise 30" and 24" DEZURIK Valves		Excess Flow 003 Valves	
Exercising of Raw and Excess Influent valves		Excess Flow Pump Station	
		Raw Sewage Pump Station	
Exercising of secondaries 1 and 2 influent gates		Secondary Clarifier 1	
		Secondary Clarifier 2	
Annual PM and repair of Auger #2	23-Jan-23	2004 AUGER-DAWG G-30 4D087	Annual inspection of auger #2.
Annual inspection and PM work on Auger #3		2004 AUGER-DAWG G-30 4D088	Performed annual inspection on Auger #3, welded small crack on backing plate.
Clean Pump Seal Water Filters At Lift Stations		Butterfield Pump 1	Replace seal water filters on all pumps.

Work Assignment	Completion Date	Equipment	NOTATIONS
EXERCISING OF EXCESS RAW SEWAGE VALVING		Butterfield Pump 2	
		Centex Pump 1	
		Centex Pump 2	
		Earlston Pump 1	
		Earlston Pump 2	
		Excess Flow Pump 06	
		Excess Flow Pump 07	
		Excess Flow Pump 08	
		Excess Flow Pump 09	
Clean Pump Seal Water Filters At Lift Stations		Hobson Pump 1	Replace seal water filters on all pumps.
		Hobson Pump 2	
		Hobson Pump 3	
		Hobson Pump 4	
		Wroble Pump 1	
		Wroble Pump 2	
Check all life ring boxes and clean if needed.	24-Jan-23 -		
Replace battery that failed. (Under warranty)		2015 Ford Transit Connect XL	Remove & replace the battery with new. Old battery was under warranty. Also installed permanent battery charger on the van.
Replace tires on golf cart #1		2016 Club Car Carryall 300	Cassidy replaced tires on Golf cart #1.
		2019 AUGER DAWG G-30 3F052	Annual PM and repair of Auger #5. Grease bearings, tested on New JD.
Top off generator with fuel.		Butterfield Stationary Generator	Assist Feece Oil with filling the generator.
		Centex Stationary Generator	
		College Stationary Generator	Top off generator with fuel.
		Earlston Stationary Generator	Assist Feece Oil with filling the generator.
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Annual Oil Change Gear Reducer Grit Conveyors.		Grit Conveyor System	
Top off generator with fuel.		Hobson Stationary Generator	Assist Feece Oil with filling the generator.
		Liberty Park Stationary Genera	
		Northwest Stationary Generator	
		Venard Stationary Generator	
		Wroble Stationary Generator	
Run And Inspect Generators With The Load Of The Plant	25-Jan-23	Emergency Generator 1	

Work Assignment	Completion Date	Equipment	NOTATIONS
		Emergency Generator 2	
		Emergency Generator 3	
Annual PM on Auger #4	26-Jan-23	2009 AUGER-DAWG G30A 91093	Annual PM and repairs on Auger #4. Rebuilt support hub and checked motor side. Hub has broken bolt, waiting on parts. Replaced female and male hydraulic coupling.
Rake bent on scraper, remove and repair.		Bar Screen 2	Removed and repaired bent toothed rake assembly. Reinstalled with new hardware.
Check Sump Pumps at The WWTC and Administration Bldg.	31-Jan-23	Administration Center	
		Blower Building	
		Digester 1 and 2 Control Bldg	
		Digester 3 Control Building	
		Digester 4 - 5 Control Buildg	
		Excess Flow Pump Station	
		Excess Flow Sludge Pump House	
		Grit Building	
		Hypochlorite Feed Blg	
		Interm Clarifier Sludge Bldg	
		Maintenance Services Building	
		Microstrainer Building	
		Operations Center	
		Raw Sewage Pump Station	
		Tunnel/Chan Aeration Tank 1-11	

DOWNERS GROVE SANITARY DISTRICT
M E M O

DATE: February 2, 2023

TO: Amy Underwood
General Manager

FROM: Robert Swirsky
Sewer System Maintenance Supervisor

RE: Monthly Report – January 2023

1.	JULIE Line Markings:	Current	Year to Date
	Received	469	469
	In District	447	447
	Marked	217	217
	Man Hours	68	68
2.	Building Service:	Current	Year to Date
a.	BSSRAP TV Inspections	31	31
b.	Emergency BSSRAP Repairs	17	17
c.	Total BSSRAP Repairs	13	13
d.	I&I inspections	03	03
e.	I&I C.O. installation	00	00
f.	Replace broken cleanout caps	00	00
g.	OHSP TV Inspections	00	00
h.	Post Rodding TV	09	09
3.	Sewer backups:	Current	Year to Date
a.	Public sewer	00	00
b.	Private sewer	22	22
c.	Surcharged main	00	00
d.	Pump station	00	00
	Total	22	22
		Current	Year to Date
4.	Sewer Cleaning (DGSD personnel):	22,524	22,524 Ft.
	a. Sewer Cleaning (outside contractors):	0	0 Ft.
5.	Main Sewer Televising (DGSD personnel):	0	0 Ft.
	a. Sewer Televising (outside contractors):	0	0 Ft.
6.	LETS TV	0	0
7.	Manhole inspections	32	32

8. Sewer and manhole repairs and replacements by Uno Construction:
None

9. Miscellaneous: (sewer system personnel)
 - a. Upload Flow-Meters.
 - b. Relocate Flow-Meters.
 - c. Replace a defective cover MH 2B-034.

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

DOWNERS GROVE SANITARY DISTRICT
M E M O

DATE: February 6, 2022

TO: Amy R. Underwood
General Manager

FROM: Keith Shaffner
Sewer Construction Supervisor

RE: Monthly Report: Sewer Construction \ Code Enforcement – January 2023

- | 1. | Permits issued: | Current | Year to Date |
|----|-----------------|----------|--------------|
| a. | Single family | 2 | 2 |
| b. | Multiple family | 0 | 0 |
| c. | Commercial | 1 | 1 |
| d. | Repair | 1 | 1 |
| e. | Disconnection | <u>4</u> | <u>4</u> |
| | Total | 8 | 8 |
-
- | 2. | Inspections made: | Current | Year to Date |
|----|------------------------|----------|--------------|
| a. | Connections | 8 | 8 |
| b. | Finals | 4 | 4 |
| c. | Repairs | 1 | 1 |
| d. | Disconnects | 5 | 5 |
| e. | Groundwork | 0 | 0 |
| f. | Walk-Thru | 0 | 0 |
| g. | Pre-connections | 0 | 0 |
| h. | Overhead Sewer Program | 0 | 0 |
| i. | Code Enforcement | 1 | 1 |
| j. | Lateral testing | <u>2</u> | <u>2</u> |
| | Total | 21 | 21 |
-
3. New Sewer Extension Construction:
- None
-
4. New Sewer Extension Testing - air, deflection, manhole, and televising:
- 63rd and Carpenter sanitary main extension testing.
-
5. Code Enforcement:
- Inspection of corrected sump pump violations.

6. Plan & Permit Reviews:

- a. 522 Sherman – Single Family Home Review
- b. 4709 Middaugh – Single Family Home Review
- c. 1204 Gilbert – Single Family Home Review

7. Building Sanitary Service Access Agreements:

- a. 522 Sherman – Downers Grove
- b. 1204 Gilbert – Downers Grove

8. Illinois EPA Permits:

None

9. Waste Hauling Permits Issued:

None

10. Miscellaneous:

The Village of Westmont will be installing permeable pavers in the alley of Quincy between Dallas and Richmond. I have been in contact with the engineer for the project and the Village of Westmont about replacing the sanitary sewer under the project area before the permeable brick pavers will be installed. Replacement of this degraded sanitary main will be much more cost effective to complete while the alley is still gravel.

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

Permits Issued: JANUARY 2023

YEAR	PERMIT #	ADDRESS	STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2023	128	80 W	63RD	W	1/4/2023	COM	\$4,072.00	\$400.00
2023	1	1204	GILBERT	DG	1/11/2023	DISCON		
2023	3	5140	CARPENTER	DG	1/13/2023	DISCON		
2023	2	522	SHERMAN	DG	1/13/2023	SF-RB		\$241.00
2023	5	1204	GILBERT	DG	1/19/2023	SF-RB		\$241.00
2023	6	6100 S	CASS	W	1/26/2023	DISCON		
2023	4	6320 S	CASS	W	1/29/2023	DISCON		
2023	7	6400 S	CASS	W	1/30/2023	REPAIR		
TOTAL:							\$4,072.00	\$882.00

Permit Final Inspections: JANUARY 2023

YEAR	PERMIT #	ADDRESS	STREET	CITY	FINAL
2022	22	4801	SEELEY	DG	1/17/2023
2022	20	4802	MONTGOMERY	DG	1/17/2023
2022	7	1791	BOUNDARY	DG	1/23/2023
2021	119	5437	BROOKBANK	DG	1/30/2023

Progress Report

To: Amy Underwood, General Manager
From: Reese Berry, Laboratory Supervisor
Date: February 7, 2023
Re: January 2023 Laboratory Report

DGSD had 1 excess flow sampling event during January 2023. We had no permit excursions in January.

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:

IEPA was onsite this month to audit records and tour our facility. The inspector did have a few recommendations for the laboratory, which we have implemented/completed. We will be sampling our industrial permittees in the next couple of months.

We have an Annual Pretreatment report due in April 2023, so I will start collecting the data required to complete this requirement.

Laboratory Remodel:

The remodel of the storage room has started. All mold and drywall with mold has been removed by staff. We have been cleaning up and getting ready to rebuild the outside wall with a vapor barrier to keep this from happening in the future. The room will be drywalled and painted after this work is completed.

Biosolids:

January sampling was performed per our sampling requirements. All data was well below the Class A biosolids concentration thresholds. Our product is well below the Class A requirements.

We are working on the Annual Biosolids Report for 2022. This report is due in February 2023.

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 January, 2023
Date: February 6, 2023

I. Planning Projects & Studies

A. Flow Monitoring

Collection of Cycle L data is ongoing. 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. Another manufacturer will be conducting another pilot in the spring.

D. WWTC & Lift Station Code Walk-Through

Baxter & Woodman will be submitting the final report in the coming weeks. 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

USEPA has finished the National Environmental Policy Act (NEPA) review and signed off on a categorical exclusion (CATEX) for the project. The next step is to complete the application on grants.gov.

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		<hr/> \$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		<hr/> \$264,921.30

G	Less Previous Certificates for Payment	Previous Payments	-	\$264,921.30
H	Current Payment Due	F-G= H		<hr/> \$0.00

Construction is expected to begin in Spring 2023.

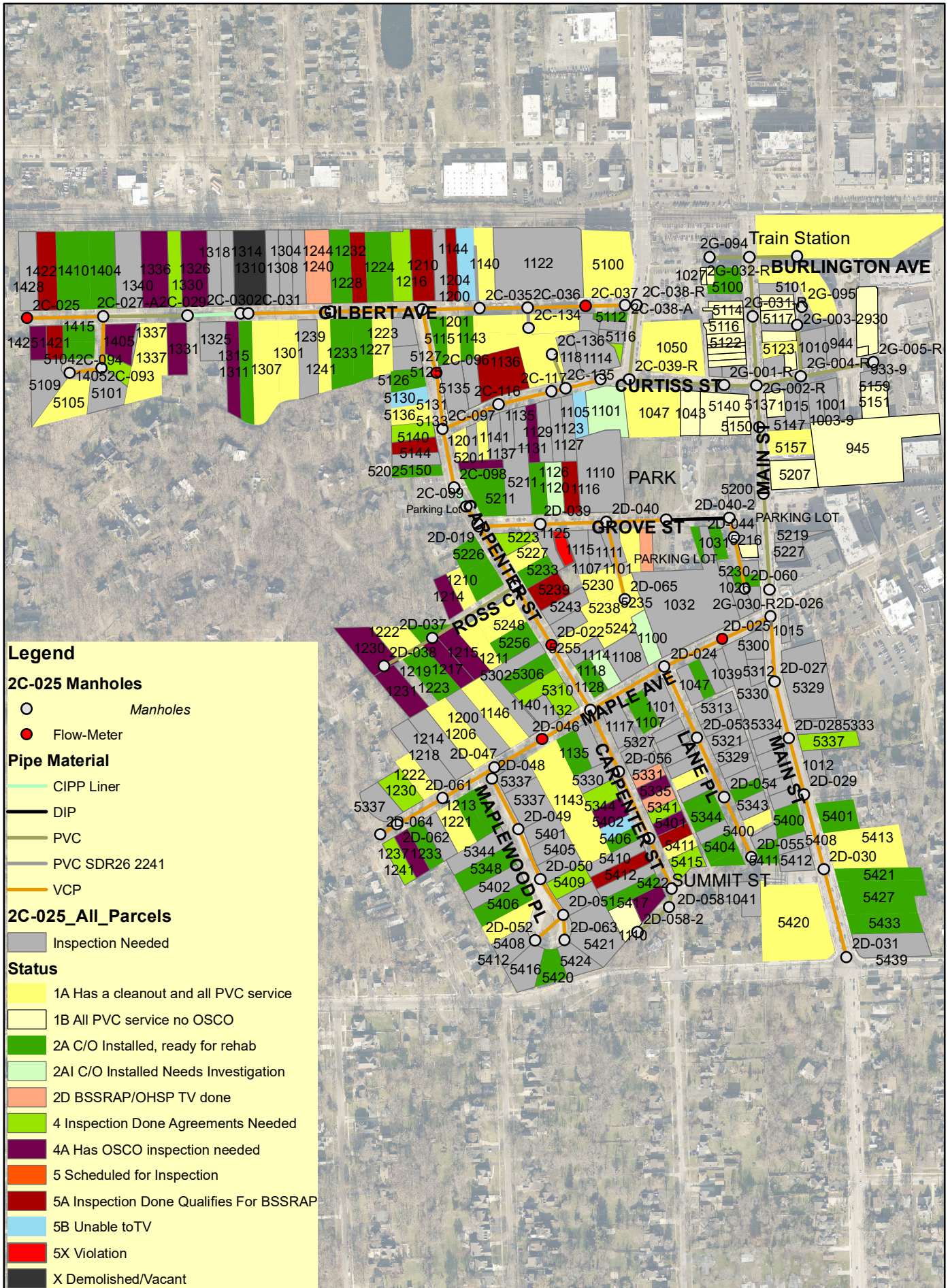
B. Outfall 001 Sanitary Sewer Repair

Archon Construction will be conducting exploratory excavations to verify elevations of the current pipe so the correct length of pipe can be ordered. This has been delayed while waiting for a response from the railway to verify whether a flagger will be required. The current lead time for the pipe is sixteen weeks. Please see the Baxter & Woodman Client Status Report for more information.

C: BOT, BOLI, CS & MGP



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	15	5%
4A	N	N	N	N	N/A	N	18	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	124	40%
X	-	-	-	-	-	-	1	0%
5X	-	-	-	-	-	-	1	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: 1/31/2023

CASH BALANCES						PREVIOUS MONTH					
ACCOUNT NAME		ACCOUNT NUMBER	BALANCE PER BANK STATEMENT			TOTAL BALANCE PER BANK STATEMENTS	MONTHLY EARNINGS CREDIT	EARNINGS CREDIT PERCENTAGE			
DEPOSIT		XXXXXXXXXX1116	\$2,113,957.64								
DISBURSEMENT		XXXXXXXXXX1111	222,709.58								
FLEXIBLE BENEFITS		XXXXXXXXXX6025	7,843.61								
PAYROLL		XXXXXXXXXX1117	165,007.54								
PETTY CASH		XXXXXXXXXX1112	5,060.00								
USER REFUNDS		XXXXXXXXXX1114	5,654.13								
TOTAL - CASH AT BANK			\$2,520,232.50			\$2,414,520.75	\$2,392.27	0.0991%			
INVESTMENTS						GENERAL CORPORATE FUND (01)	IMPROVEMENT FUND (02)	CONSTRUCTION FUND (03)	PUBLIC BENEFIT FUND (05)	SEWER EXTENSION FUND (71)	INTEREST EARNED AT MATURITY
TYPE	FINANCIAL INSTITUTION	TERM	MATURITY	AMOUNT	ANNUAL INT. RATE						
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	1.500%	\$250,819.26					\$3,762.29
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	0.800%	\$250,009.92					\$2,000.08
MM	LUANA SAVINGS BANK	ONGOING	10/29/2020	\$252,153.99	2.940%	\$252,153.99					\$7,413.33
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	2.000%			\$11.91			\$0.24
MM	OLD SECOND NATIONAL BANK	ONGOING	11/20/2012	\$5,144.73	0.100%			\$5,144.73			\$5.14
TOTAL MM ACCOUNTS				\$2,010,977.00	1.264%	\$2,005,820.36	\$0.00	\$5,156.64	\$0.00	\$0.00	\$25,419.60
ILLINOIS FUNDS - MONEY MARKET				\$5,665,908.45	4.217%	\$4,223,346.62	\$876,555.28	\$566,006.55	\$0.00	\$0.00	\$238,931.36
TOTAL - ALL INVESTMENTS				\$7,926,885.45	3.439%	\$6,229,166.98	\$876,555.28	\$821,163.19	\$0.00	\$0.00	\$272,575.95
TOTAL CASH AND INVESTMENTS		\$10,447,117.95									

*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



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P.O. Box 1412
Downers Grove, IL 60515-0703
Phone: 630-969-0664
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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: February 10, 2023
Subject: Treasurer's Report for January 2023

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

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

Year-to-date	Income	Expenses
General Fund	\$ 8,443,294.72 (page 1)	\$ 6,423,985.75 (page 6)
Improvement Fund	\$ 361,688.73 (page 7)	\$ 261,314.32 (page 7)
Construction Fund	\$ 176,370.86 (page 8)	\$ 14,403.64 (page 9)
Public Benefit Fund	\$ 0.00 (page 10)	\$ 0.00 (page 10)
TOTAL	\$ 8,981,354.31	\$ 6,699,703.71

C: BOLI, MGP, CS

=====

Fund number & Description	Ending Fund Balance

Fund 01 : GENERAL FUND	\$7,428,071.07
Fund 02 : IMPROVEMENT FUND	\$1,400,401.89
Fund 03 : CONSTRUCTION FUND	\$1,758,930.05
Fund 05 : PUBLIC BENEFIT FUND	\$37,817.83
Recap Totals	<hr/> \$10,625,220.84

TREASURER'S REPORT

DATE 02/07/23
FUND 01 GENERAL FUND

MONTH ENDED 01/31/23

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		.00	0	1,363,345.44-	1,339,900-	23,445.44-	1.8	1,339,900-
3001	USER RECEIPTS		300,117.92-	303,737-	2,900,995.53-	2,845,666-	55,329.53-	1.9	3,692,500-
3002	SURCHARGES		30,667.30-	25,664-	305,831.18-	240,446-	65,385.18-	27.2	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		882.00-	1,600-	12,358.00-	15,200-	2,842.00	18.7-	20,000-
3007	INTEREST ON INVESTMENTS		18,395.31-	600-	57,075.60-	5,400-	51,675.60-	957.0	7,000-
3013	SAMPLING AND MONITORING		11,599.96-	8,750-	89,774.75-	78,750-	11,024.75-	14.0	105,000-
3014	REPLACEMENT TAXES		42,108.76-	9,000-	227,814.28-	61,200-	166,614.28-	272.3	85,000-
3015	MISCELLANEOUS INCOME		1,441.30-	833-	8,846.28-	7,497-	1,349.28-	18.0	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-	28,031.22-	26,703-	1,328.22-	5.0	35,600-
3024	MONTHLY SERVICE FEES		391,858.58-	373,089-	3,408,725.78-	3,495,410-	86,684.22	2.5-	4,535,600-
3027	GREASE WASTE		7,600.00-	17,500-	152,072.85-	157,500-	5,427.15	3.5-	210,000-
3035	INTERFUND TRANSFER		.00	0	250,000.00	250,000	.00	.0	500,000
3040	RENEWABLE ENERGY CREDITS		16,858.60-	750-	62,619.22-	2,250-	60,369.22-	2,683.1	3,000-
3094	GRANTS AND INCENTIVES		.00	270,000-	63,427.40-	880,000-	816,572.60	92.8-	1,150,000-
=====									
DEPT 05 TOTALS			824,766.96-	1,014,490-	8,443,294.72-	8,906,807-	463,512.28	5.2-	11,006,750-
=====									
FUND REVENUE TOTAL			824,766.96-	1,014,490-	8,443,294.72-	8,906,807-	463,512.28	5.2-	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		21,314.82	20,025	179,606.28	198,368	18,761.72-	9.5-	256,600
A004	FINANCIAL RECORDS		7,746.53	17,532	153,140.86	167,036	13,895.14-	8.3-	211,350
A005	ADMINISTRATIVE RECORDS		772.14	2,245	19,547.38	21,473	1,925.62-	9.0-	27,250
A006	ENGINEERING		.00	428	8,460.21	4,066	4,394.21	108.1	5,150
A007	CODE ENFORCEMENT		24,291.80	29,214	281,437.22	285,797	4,359.78-	1.5-	367,100
A008	SAFETY ACTIVITIES		1,286.39	3,986	27,697.21	37,950	10,252.79-	27.0-	48,000
A030	BUILDING AND GROUNDS		322.86	102	4,604.55	1,037	3,567.55	344.0	1,350
A085	INCENTIVE		.00	0	200.00	0	200.00	.0	0
A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE		.00	433	75.00	4,114	4,039.00-	98.2-	5,200
=====									
SECT A TOTALS			55,734.54	73,965	688,268.71	734,016	45,747.29-	6.2-	940,900
=====									
SECT B	OPERATIONS AND MAINTENANCE								
B100	ELECTRICITY		.00	700	3,328.31	7,900	4,571.69-	57.9-	10,000
B101	NATURAL GAS		343.88	350	1,209.45	2,100	890.55-	42.4-	3,000
B102	WATER, GARBAGE AND OTHER UTILITIES		55.29	200	411.37	1,060	648.63-	61.2-	1,250
B110	BANK CHARGES		29.80	1,950	6,793.60	17,550	10,756.40-	61.3-	23,200
B112	COMMUNICATION		1,898.71	2,500	17,478.83	22,500	5,021.17-	22.3-	29,200
B113	EMERGENCY/SAFETY EQUIPMENT		3,589.61	2,400	15,352.87	22,800	7,447.13-	32.7-	30,000

TREASURER'S REPORT

DATE 02/07/23

MONTH ENDED 01/31/23

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		7,455.80	12,600	65,263.00	132,200	66,937.00-	50.6-	169,700
B116	SUPPLIES		452.32	600	3,351.70	5,400	2,048.30-	37.9-	6,800
B117	EMPLOYEE/DUTY COSTS		671.25	2,100	13,604.19	18,900	5,295.81-	28.0-	24,750
B118	BUILDING AND GROUNDS		3,474.00	3,300	55,078.97	161,700	106,621.03-	65.9-	167,000
B119	POSTAGE		10.50	630	4,285.27	5,670	1,384.73-	24.4-	7,550
B120	PRINTING/PHOTOGRAPHY		2,476.48	300	9,072.80	11,800	2,727.20-	23.1-	12,700
B121	USER BILLING MATERIALS		5,972.78	7,000	56,070.39	63,150	7,079.61-	11.2-	84,150
B124	CONTRACT SERVICES		9,331.00	12,525	63,330.15	112,725	49,394.85-	43.8-	150,300
B137	MEMBERSHIPS/SUBSCRIPTIONS		.00	350	5,884.88	7,070	1,185.12-	16.8-	8,500
=====									
SECT B TOTALS			35,761.42	47,505	320,515.78	592,525	272,009.22-	45.9-	728,100
=====									
SECT C VEHICLES									
C222	GAS/FUEL		147.06	200	1,974.87	1,650	324.87	19.7	2,000
C225	OPERATION/REPAIR		16.80	0	152.16	1,950	1,797.84-	92.2-	2,600
C226	VEHICLE PURCHASES		.00	0	18,637.00	12,000	6,637.00	55.3	12,000
=====									
SECT C TOTALS			163.86	200	20,764.03	15,600	5,164.03	33.1	16,600
=====									
DEPT 11 TOTALS			91,659.82	121,670	1,029,548.52	1,342,141	312,592.48-	23.3-	1,685,600
=====									
DEPT 12 O & M EXPENSES - WWTC									
=====									
SECT A SALARIES AND WAGES									
A006	ENGINEERING		2,584.10	4,057	43,877.95	38,599	5,278.95	13.7	48,800
A009	OPERATIONS MANAGEMENT		8,960.55	8,359	83,055.38	83,503	447.62-	.5-	108,550
A010	MAINTENANCE - BUDGET		.00	58,266	.00	545,970	48,772.68-	8.9-	696,250
A011	MAINTENANCE - WWTC		24,864.39	0	335,680.87	0	.00	.0	0
A012	MAINTENANCE - VEHICLES		577.50	0	1,886.50	0	.00	.0	0
A013	MAINTENANCE - ENERGY RECOVERY		.00	0	9,750.00	0	.00	.0	0
A014	MAINTENANCE - ELECTRICAL		8,307.16	0	149,879.95	0	.00	.0	0
A020	WWTC - BUDGET		.00	46,736	.00	444,456	12,201.52-	2.8-	561,750
A021	WWTC - OPERATIONS		15,079.56	0	294,900.82	0	.00	.0	0
A022	WWTC - SLUDGE HANDLING		4,421.19	0	129,409.66	0	.00	.0	0
A023	WWTC - ENERGY RECOVERY		183.30	0	7,944.00	0	.00	.0	0
A030	BUILDING AND GROUNDS		4,614.00	8,947	75,817.59	84,731	8,913.41-	10.5-	107,250
=====									
SECT A TOTALS			69,591.75	126,365	1,132,202.72	1,197,259	65,056.28-	5.4-	1,522,600
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		129.75	4,200	47,687.29	40,400	7,287.29	18.0	53,600
B101	NATURAL GAS		1,366.29	1,600	6,422.57	6,700	277.43-	4.1-	10,400
B102	WATER, GARBAGE AND OTHER UTILITIES		3,018.72	5,000	36,265.82	38,800	2,534.18-	6.5-	48,400
B103	ODOR CONTROL		404.75	200	997.49	2,300	1,302.51-	56.6-	3,000
B104	FUEL - GENERATORS		.00	0	14,250.00	9,375	4,875.00	52.0	12,500
B112	COMMUNICATION		1,953.15	2,000	17,022.89	18,900	1,877.11-	9.9-	24,900
B113	EMERGENCY/SAFETY EQUIPMENT		1,827.08	4,000	15,556.50	36,000	20,443.50-	56.8-	43,600
B116	SUPPLIES		1,214.53	2,600	17,824.20	23,550	5,725.80-	24.3-	31,350
B117	EMPLOYEE/DUTY COSTS		2,483.36	2,100	11,412.05	20,400	8,987.95-	44.1-	26,000

TREASURER'S REPORT

DATE 02/07/23

MONTH ENDED 01/31/23

PAGE 3

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		39,852.28	0	119,197.00	85,000	34,197.00	40.2	85,000
B400	CHEMICALS - BUDGET		.00	19,150	.00	172,350	48,910.37-	28.4-	229,800
B401	CHEMICALS - DISINFECTION		.00	0	60,026.40	0	.00	.0	0
B402	CHEMICALS - SLUDGE DEWATERING		6,266.84	0	43,749.12	0	.00	.0	0
B404	CHEMICALS - OTHER		.00	0	19,664.11	0	.00	.0	0
B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS		7,637.87	5,400	102,668.14	127,200	24,531.86-	19.3-	143,600
B502	EQPT/EQPT REPAIR - DISINFECTION		71.76	500	3,685.73	12,800	9,114.27-	71.2-	15,300
B503	EQPT/EQPT REPAIR - EXCESS FLOW		3,286.84	1,520	6,267.83	13,680	7,412.17-	54.2-	18,300
B504	EQPT/EQPT REPAIR - GRIT REMOVAL		.00	3,520	1,032.99	31,680	30,647.01-	96.7-	42,300
B505	EQPT/EQPT REPAIR - INFLUENT PUMPING		15,535.59	5,020	53,808.62	45,180	8,628.62	19.1	60,300
B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT		2,402.93	4,320	17,973.43	38,840	20,866.57-	53.7-	51,800
B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT		.00	13,820	16,683.66	124,340	107,656.34-	86.6-	165,800
B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION		.00	440	453.39	3,980	3,526.61-	88.6-	5,300
B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING		1,160.05	3,225	23,061.75	29,025	5,963.25-	20.6-	38,600
B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION		874.71	5,950	22,756.32	153,550	130,793.68-	85.2-	171,400
B511	EQPT/EQPT REPAIR - TERTIARY TREATMENT		.00	7,190	4,068.28	64,710	60,641.72-	93.7-	86,300
B512	EQPT/EQPT REPAIR - WWTC GENERAL		1,204.59	3,460	24,052.66	31,140	7,087.34-	22.8-	41,600
B513	EQPT/EQPT REPAIR - WWTC UTILITIES		24,762.05	22,550	189,913.19	202,950	13,036.81-	6.4-	350,650
B801	BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOS		.00	333	101.63	3,001	2,899.37-	96.6-	4,000
B802	BLDG AND GROUNDS - DISINFECTION		.00	300	.00	2,700	2,700.00-	100.0-	3,600
B803	BLDG AND GROUNDS - EXCESS FLOW		.00	92	.00	828	828.00-	100.0-	1,100
B804	BLDG AND GROUNDS - GRIT REMOVAL		.00	133	.00	1,201	1,201.00-	100.0-	1,600
B805	BLDG AND GROUNDS - INFLUENT PUMPING		1,413.50	4,160	12,012.67	37,440	25,427.33-	67.9-	49,960
B807	BLDG AND GROUNDS - SECONDARY TREATMENT		.00	175	36.80	1,575	1,538.20-	97.7-	2,120
B809	BLDG AND GROUNDS - SLUDGE DEWATERING		26.58	1,260	26.58	11,320	11,293.42-	99.8-	15,100
B810	BLDG AND GROUNDS - SLUDGE DIGESTION		1,138.65	310	2,055.53	2,790	734.47-	26.3-	3,715
B811	BLDG AND GROUNDS - TERTIARY TREATMENT		217.50	663	7,515.48	5,971	1,544.48	25.9	7,960
B812	BLDG AND GROUNDS - WWTC GENERAL		78,761.34	33,460	215,309.22	241,140	25,830.78-	10.7-	321,595
B813	BLDG AND GROUNDS - WWTC UTILITIES		58.02	130	105.99	1,180	1,074.01-	91.0-	1,600
=====									
SECT B TOTALS			197,068.73	158,781	1,389,259.33	1,917,596	528,336.67-	27.6-	2,447,750
=====									
SECT C VEHICLES									
C222	GAS/FUEL		2,117.23	2,000	25,398.24	18,500	6,898.24	37.3	24,500
C225	OPERATION/REPAIR		119.56	700	3,179.17	6,400	3,220.83-	50.3-	8,500
C226	VEHICLE PURCHASES		.00	0	17,403.00	32,000	14,597.00-	45.6-	59,000
=====									
SECT C TOTALS			2,236.79	2,700	45,980.41	56,900	10,919.59-	19.2-	92,000
=====									
DEPT 12 TOTALS			268,897.27	287,846	2,567,442.46	3,171,755	604,312.54-	19.1-	4,062,350
=====									
DEPT 13 O & M EXPENSES - LABORATORY									
=====									
SECT A SALARIES AND WAGES									
A009	OPERATIONS MANAGEMENT		2,754.15	6,557	45,706.02	65,579	19,872.98-	30.3-	85,250
A040	LABORATORY - BUDGET		.00	15,103	.00	144,268	12,418.20-	8.6-	182,800
A041	LAB - WWTC		8,232.88	0	105,470.94	0	.00	.0	0

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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		2,353.51	0	8,930.98	0	.00	.0	0
A043	LAB - SURCHARGE PROGRAM		250.15	0	8,286.51	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		.00	0	7,453.57	0	.00	.0	0
=====									
SECT A TOTALS			13,590.69	21,660	177,555.82	209,847	32,291.18-	15.4-	268,050
=====									
SECT B OPERATIONS AND MAINTENANCE									
B112	COMMUNICATION		194.17	350	1,640.99	3,250	1,609.01-	49.5-	4,300
B114	CHEMICALS		2,264.93	2,000	14,624.42	18,500	3,875.58-	21.0-	24,500
B115	EQUIPMENT/EQUIPMENT REPAIR		235.63	3,000	4,619.05	27,000	22,380.95-	82.9-	36,000
B116	SUPPLIES		2,415.78	2,000	16,095.30	19,900	3,804.70-	19.1-	24,900
B117	EMPLOYEE/DUTY COSTS		175.93	460	2,185.08	4,120	1,934.92-	47.0-	5,500
B122	MONITORING EQUIPMENT		.00	0	2,513.91	7,250	4,736.09-	65.3-	9,500
B123	OUTSIDE LAB SERVICES		1,149.89	1,750	15,223.62	17,750	2,526.38-	14.2-	23,000
=====									
SECT B TOTALS			6,436.33	9,560	56,902.37	97,770	40,867.63-	41.8-	127,700
=====									
SECT C VEHICLES									
C222	GAS/FUEL		73.70	50	616.44	500	116.44	23.3	650
C225	OPERATION/REPAIR		754.22	0	784.34	200	584.34	292.2	250
C226	VEHICLE PURCHASES		.00	0	22,701.00	18,500	4,201.00	22.7	18,500
=====									
SECT C TOTALS			827.92	50	24,101.78	19,200	4,901.78	25.5	19,400
=====									
DEPT 13 TOTALS			20,854.94	31,270	258,559.97	326,817	68,257.03-	20.9-	415,150
=====									
DEPT 14 O & M EXPENSES - SEWER SYSTEM									
SECT A SALARIES AND WAGES									
A006	ENGINEERING		.00	776	3,578.96	7,500	3,921.04-	52.3-	9,600
A050	SEWER MAINTENANCE - BUDGET		.00	16,898	.00	160,549	60,897.82	37.9	202,800
A051	SEWER MAINTENANCE		11,016.74	0	209,593.82	0	.00	.0	0
A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS		785.79	0	11,853.00	0	.00	.0	0
A060	INSPECTION - BUDGET		.00	24,530	.00	233,053	91,209.19-	39.1-	294,400
A061	INSPECTION - NEW CONSTRUCTION		.00	0	2,255.52	0	.00	.0	0
A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS		2,027.26	0	39,193.47	0	.00	.0	0
A063	INSPECTION - PERMIT INSPECTIONS		332.22	0	11,077.14	0	.00	.0	0
A064	INSPECTION - MISCELLANEOUS		1,654.86	0	19,018.36	0	.00	.0	0
A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES		213.99	0	22,291.25	0	.00	.0	0
A066	INSPECTION - CODE ENFORCEMENT		2,401.16	0	48,008.07	0	.00	.0	0
A070	SEWER INVESTIGATIONS - BUDGET		.00	128	.00	1,216	3,318.04	272.9	1,550
A072	SEWER INVESTIGATIONS		.00	0	4,534.04	0	.00	.0	0
A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE		.00	52	.00	520	520.00-	100.0-	650
=====									
SECT A TOTALS			18,432.02	42,384	371,403.63	402,838	31,434.37-	7.8-	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		523.10	1,100	4,989.70	10,100	5,110.30-	50.6-	13,400
B113	EMERGENCY/SAFETY EQUIPMENT		28.70	200	2,605.50	2,200	405.50	18.4	2,800
B115	EQUIPMENT/EQUIPMENT REPAIR		71.91	4,920	46,527.45	44,280	2,247.45	5.1	59,000
B116	SUPPLIES		1,028.18	375	3,609.82	3,525	84.82	2.4	4,650
B117	EMPLOYEE/DUTY COSTS		133.48	1,125	4,932.60	10,225	5,292.40-	51.8-	13,600
B124	CONTRACT SERVICES		.00	8,750	126,724.40	78,750	47,974.40	60.9	105,000
B127	JULIE SYSTEM		.00	4,025	7,965.80	12,075	4,109.20-	34.0-	16,100
B128	OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM		.00	1,000	6,017.00	12,000	5,983.00-	49.9-	15,000
B129	REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGE		.00	1,000	4,212.40	9,000	4,787.60-	53.2-	12,000
B900	SEWER SYSTEM REPAIRS - BUDGET		.00	445,830	.00	3,312,440	2,606,688.35-	78.7-	3,796,600
B901	SEWER SYSTEM REPAIRS - I/I PROGRAM		4,082.50	0	22,185.06	0	.00	.0	0
B902	SEWER SYSTEM REPAIRS - REPLACEMENT		437.50	0	39,579.89	0	.00	.0	0
B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM		56,670.60	0	543,565.67	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			62,975.97	468,325	913,336.32	3,494,595	2,581,258.68-	73.9-	4,038,150
=====									
SECT C VEHICLES									
C222	GAS/FUEL		1,620.43	1,800	18,047.48	16,600	1,447.48	8.7	22,000
C225	OPERATION/REPAIR		3,327.73	550	10,910.29	5,350	5,560.29	103.9	7,000
=====									
SECT C TOTALS			4,948.16	2,350	28,957.77	21,950	7,007.77	31.9	29,000
=====									
DEPT 14 TOTALS			86,356.15	513,059	1,313,697.72	3,919,383	2,605,685.28-	66.5-	4,576,150
=====									
DEPT 15 O & M EXPENSES - LIFT STATIONS									
SECT A SALARIES AND WAGES									
A006	ENGINEERING		.00	570	379.75	5,418	5,038.25-	93.0-	6,850
A009	OPERATIONS MANAGEMENT		.00	22	1,154.72	234	920.72	393.5	300
A030	BUILDING AND GROUNDS		.00	65	.00	578	578.00-	100.0-	750
A080	LIFT STATION MAINTENANCE		355.32	1,937	9,042.00	16,801	7,759.00-	46.2-	21,650
=====									
SECT A TOTALS			355.32	2,594	10,576.47	23,031	12,454.53-	54.1-	29,550
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		6,364.77	10,250	117,006.74	97,250	19,756.74	20.3	128,000
B104	FUEL - GENERATORS		.00	0	2,095.16	2,850	754.84-	26.5-	3,750
B112	COMMUNICATION		313.03	500	2,727.26	5,000	2,272.74-	45.5-	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	1,629	1,018.37-	62.5-	2,175
B521	EQPT/EQPT REPAIR - CENTEX		1,035.90	163	5,449.95	1,467	3,982.95	271.5	1,950
B522	EQPT/EQPT REPAIR - COLLEGE		.00	2,880	2,305.02	25,920	23,614.98-	91.1-	34,575
B523	EQPT/EQPT REPAIR - EARLSTON		1,035.90	162	5,335.25	1,458	3,877.25	265.9	1,940
B524	EQPT/EQPT REPAIR - HOBSON		538.36	2,920	26,483.19	26,280	203.19	.8	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		2,441.31	390	8,520.94	3,510	5,010.94	142.8	4,660
B526	EQPT/EQPT REPAIR - NORTHWEST		.00	1,820	5,315.49	16,380	11,064.51-	67.6-	21,850
B527	EQPT/EQPT REPAIR - VENARD		1,400.00	320	33,489.44	2,880	30,609.44	1,062.8	3,800
B528	EQPT/EQPT REPAIR - WROBLE		.00	770	2,820.52	6,930	4,109.48-	59.3-	9,200
B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL		170.00	5,030	9,287.20	45,270	35,982.80-	79.5-	60,400
B820	BLDG AND GROUNDS - BUTTERFIELD		.00	0	1,138.10	0	1,138.10	.0	0
B821	BLDG AND GROUNDS - CENTEX		.00	0	1,190.60	0	1,190.60	.0	0
B823	BLDG AND GROUNDS - EARLSTON		.00	0	1,163.30	0	1,163.30	.0	0
B824	BLDG AND GROUNDS - HOBSON		.00	0	5,851.57	20,000	14,148.43-	70.7-	20,000
B825	BLDG AND GROUNDS - LIBERTY PARK		.00	0	2,775.30	0	2,775.30	.0	0
B826	BLDG AND GROUNDS - NORTHWEST		.00	0	1,433.64	0	1,433.64	.0	0
B827	BLDG AND GROUNDS - VENARD		.00	0	1,190.60	5,000	3,809.40-	76.2-	5,000
B828	BLDG AND GROUNDS - WROBLE		.00	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	21,825	21,478.36-	98.4-	29,100
=====									
SECT B TOTALS			13,299.27	27,811	237,968.51	293,199	55,230.49-	18.8-	377,250
=====									
DEPT 15 TOTALS			13,654.59	30,405	248,544.98	316,230	67,685.02-	21.4-	406,800
=====									
DEPT 17 O & M EXPENSES - INSURANCE & EMPLOYEE BENEFITS									
=====									
SECT E INSURANCE AND EMPLOYEE BENEFITS									
E452	LIABILITY/PROPERTY		367.00	0	226,566.98	231,000	4,433.02-	1.9-	231,000
E455	EMPLOYEE GROUP HEALTH		46,494.29	50,000	394,371.35	450,000	55,628.65-	12.4-	597,300
E460	IMRF		28,296.17	23,680	207,300.59	232,360	25,059.41-	10.8-	296,000
E461	SOCIAL SECURITY		11,555.10	19,600	177,953.18	192,325	14,371.82-	7.5-	245,000
=====									
SECT E TOTALS			86,712.56	93,280	1,006,192.10	1,105,685	99,492.90-	9.0-	1,369,300
=====									
DEPT 17 TOTALS			86,712.56	93,280	1,006,192.10	1,105,685	99,492.90-	9.0-	1,369,300
=====									
DEPT 91 SA EXPENSE									
=====									
DEPT 91 TOTALS			.00	0	.00	0	.00	0	
=====									
FUND EXPENSE TOTAL			568,135.33	1,077,530	6,423,985.75	10,182,011	3,758,025.25-	36.9-	12,515,350
=====									
FUND 01 TOTALS			256,631.63-	63,040	2,019,308.97-	1,275,204	3,294,512.97-	258.4-	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		1,354.52-	20-	13,030.05-	190-	250-
3010	TRUNK SEWER SERVICE CHARGES		.00	7,500-	98,658.68-	67,500-	90,000-
3035	INTERFUND TRANSFER		.00	0	250,000.00-	250,000-	500,000-
=====							
DEPT 05	TOTALS		1,354.52-	7,520-	361,688.73-	317,690-	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	1,014,000	1,538,000
0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVI		612.50	0	10,772.50	0	0
0506	CONSTRUCTION CONTRACTS AND PURCHASES		.00	0	203,946.30	0	0
=====							
DEPT 47	TOTALS		612.50	186,000	214,718.80	1,014,000	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		612.50	186,000	261,314.32	1,060,600	1,681,700
=====							
FUND 02	TOTALS		742.02-	178,480	100,374.41-	742,910	1,091,450
=====							

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 FUND 03 CONSTRUCTION FUND

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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						
3007	INTEREST ON INVESTMENTS		1,566.66-	100-	12,065.86-	900-	1,200-
3009	SEWER PERMIT FEES		4,072.00-	20,833-	164,305.00-	187,497-	250,000-
=====							
DEPT 05	TOTALS		5,638.66-	20,933-	176,370.86-	188,397-	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 NO2						
=====							
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						

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FUND 03 CONSTRUCTION FUND

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NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL 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		5,638.66-	20,933-	161,967.22-	173,947-	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

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

Personnel

This District is hiring a Sewer System Engineering Technician. If you know anyone who may be interested, please have them visit the following link for information and to apply.

<https://www.dgsd.org/opportunities/>

Top Health

The February 2023 edition of Top Health is enclosed.

Vehicle Idling

District vehicles have been observed recently idling unattended. Please turn vehicles off before exiting them, regardless of how long you will be out of the vehicle.

Phish Alert

If you use Outlook on a computer (i.e., not on the web), please verify that the KnowBe4 Phish Alert button has been installed in your Outlook. If it has not been installed, please fill out the IT support form which is found on the employee portal in order to let IT support know that it needs to be added for your account.



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/>. The dashboard only provides the SARS-CoV-2 measurements in our raw wastewater. While the data is not provided on the dashboard, the study analyzes the SARS-CoV-2 lineages (i.e., COVID variants) and influenza A and influenza B levels. The January 2023 report, which is attached, summarizes the data for both of these.

COVID-19

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 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 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

Everything has been moved to the new server with the exception of Hach WIMS. On Tuesday, January 31st, Concentric intends to work on upgrades which need to be made prior to migrating Hach WIMS to the new server. Hach WIMS will not be available during the work.

Personnel

Alex Bielawa, Staff Engineer, has provided his letter of resignation. His last day is February 17th, and we thank him for his years of dedicated service.

This District is hiring a Sewer System Engineering Technician. If you know anyone who may be interested, please have them visit the following link for information and to apply.

<https://www.dgsd.org/opportunities/>

Employee Outing

We are planning an event for employees and expect that to take place mid-March. We will share the details as they become available.

Phish Alert

If you use Outlook on a computer (i.e., not on the web), please verify that the KnowBe4 Phish Alert button has been installed in your Outlook. If it has not been installed, please fill out the IT support form which is found on the employee portal in order to let IT support know that it needs to be added for your account.



COVID-19

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 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 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. Last week, EPA signed off on a categorical exclusion (CATEX) for the National Environmental Policy Act (NEPA) requirements.

5) WWTC/Lift Station Building Code Review

B&W has provided an updated draft of the report which incorporated the District's previous comments.

7) Admin Server Replacement

Everything has been moved to the new server with the exception of Hach WIMS. On Tuesday, February 14th from 8 a.m. to noon, Concentric will be migrating Hach WIMS from the old server to the new server. Hach WIMS will not be available during the work.

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Wastewater Report, January 2023

LOCATION: DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER (DuPage County)

Catchment Information

Population Served	65,000
NPDES	IL0028380
zipcode	60515
IL Covid Region	8

SARS-CoV-2 LEVELS IN WASTEWATER

Wastewater is analyzed using digital PCR (dPCR) to determine the concentration of the SARS-CoV-2 virus in a sample. The nucleocapsid protein (N) gene of the virus is targeted in the assay, and results are reported in gene copies per liter of starting wastewater.

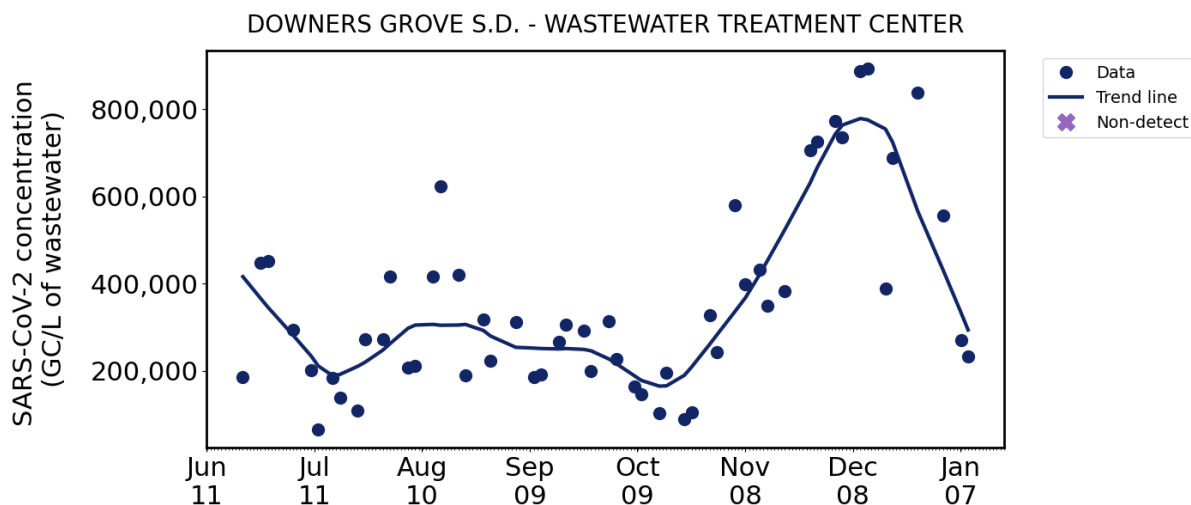


Figure 1. Time series plot of SARS-CoV-2 viral concentrations in gene copies per liter (GC/L) of wastewater.

SARS-CoV-2 SAMPLING RESULTS - LAST 8 SAMPLES

Date	SARS-CoV-2 (GC/L)
2023-01-10	232,425
2023-01-08	270,525
2023-01-03	555,300
2022-12-27	837,000
2022-12-20	687,450

2022-12-18	389,400
2022-12-13	893,250
2022-12-11	885,750

SARS-CoV-2 LINEAGES IN WASTEWATER

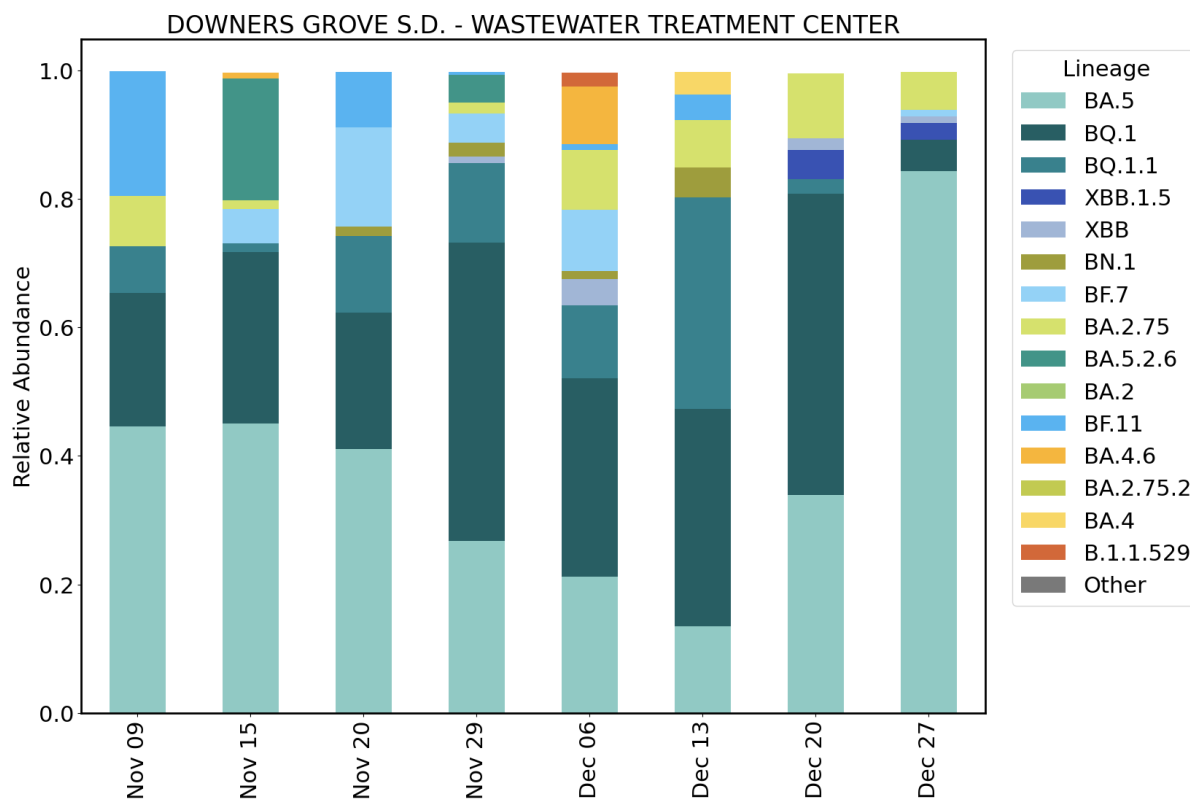


Figure 2. Stacked barplot showing the relative abundances of SARS-CoV-2 lineages in wastewater samples. All lineages in the legend, excluding "Other," are associated with Omicron. The most recently available two months worth of data are shown.

INFLUENZA A & B LEVELS IN WASTEWATER

Wastewater is analyzed using digital PCR (dPCR) to determine the concentration of influenza A and influenza B viruses in a sample. Results are reported in gene copies per liter of starting wastewater.

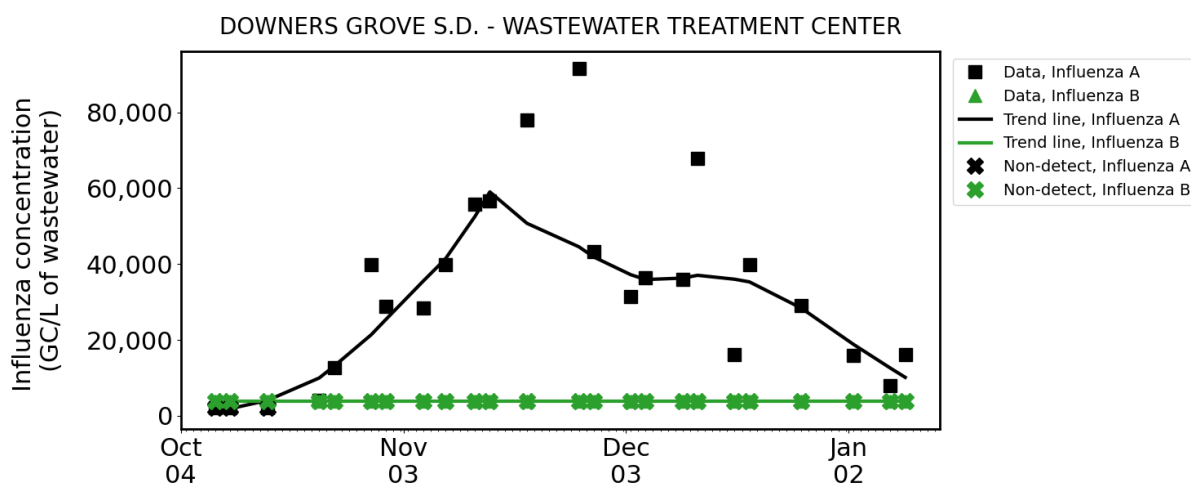


Figure 3. Time series plot of Influenza A & B viral concentrations in gene copies per liter (GC/L) of wastewater.

INFLUENZA A & B SAMPLING RESULTS - LAST 8 SAMPLES

Date	Influenza A (GC/L)	Influenza B (GC/L)
2023-01-10	16,200	Non-detect
2023-01-08	7,950	Non-detect
2023-01-03	15,975	Non-detect
2022-12-27	29,025	Non-detect
2022-12-20	39,825	Non-detect
2022-12-18	16,200	Non-detect
2022-12-13	67,800	Non-detect
2022-12-11	35,925	Non-detect

Guide to Interpreting Data on SARS-CoV-2 & Influenza Gene Copies in Wastewater Samples

What do the results mean?

There are several factors to consider when interpreting viral data in wastewater. The rate, magnitude, and duration of shedding varies from one person to another, thus how or even whether it is possible to translate viral levels in wastewater into precise community health metrics is an open scientific question. It is only appropriate to monitor and observe the trends of viral gene copies detected in a community over time. The data presented in tables, graphs,

and trend assessments show the concentration of RNA copies in the wastewater area from the community where the wastewater was collected. A significant increase in viral gene copies over time is an indicator that cases may be increasing in the community. Wastewater data should not be interpreted in isolation but rather considered alongside other public health metrics.

What does the number that is reported on a sample day mean?

It is a measure of how many gene copies are present in a sample, typically reported as gene copies per liter of wastewater (GC/L). Samples are typically obtained from municipal wastewater treatment plants and reflect inputs of viral material shed by the community served by the treatment plant. This number does not indicate gene copies per person or population.

How are the gene copies measured in the wastewater?

Wastewater samples are first processed to concentrate and isolate genetic material (RNA) that is present in the sample. RNA sequences specific to SARS-CoV-2 and influenza A & B are then detected and quantified using a molecular biology tool called digital polymerase chain reaction (dPCR). During dPCR, a targeted segment of the RNA (most commonly the N1 or N2 gene for SARS-CoV-2) is converted to DNA and then amplified (copied many times) so it can be detected by laboratory instruments. Specific methods for sample processing and PCR-based quantification differ among wastewater monitoring projects and analytical laboratories.

What does it mean if a data point for a sample is 0 or a non-detect?

A non-detect means that the amount of SARS-CoV-2 or influenza RNA in the wastewater sample is below the level that can be reliably detected by the quantification methods used in a given laboratory. A determination of non-detect does not necessarily mean that no SARS-CoV-2 or influenza RNA is present in the sample or in the system—rather that the levels are low enough that they cannot be reliably determined. In some cases, other components of wastewater may interfere with individual measurements, leading to an incorrect non-detection similar to false negatives that can occur from at-home and clinical testing. A non-detect does not necessarily mean that there are no infected individuals within the associated community.

What is the viral gene copy trend line?

The trend line is calculated using Locally Weighted Scatterplot Smoothing (LOWESS), a local regression analysis. It allows us to see the change in trend over time by fitting a curve to the data. This method is useful because it reduces the influence of outliers, and wastewater data can be highly variable. LOWESS is a more complex extension of the moving average.

Does the number of gene copies in a sample tell us how many people are sick?

There are not presently agreed-upon methods for translating concentration of SARS-CoV-2 or influenza genetic material in wastewater into a measure of how many people, or even what percentage of a community, have COVID-19 or flu. Variability between different wastewater sources, treatment facilities, and communities makes it difficult to translate the SARS-CoV-2 or influenza concentrations into a measure of how many people are infected in the community. However, an upward or downward trend in SARS-CoV-2 or influenza gene copies per liter of wastewater generally suggests a similar trend in the number of people infected within a given community.

Can I compare the number of gene copies in a sample from site to site?

Because each community has a different mix of wastewater inputs, different populations, and different wastewater systems, it is not appropriate to compare viral gene copy numbers among communities. Instead, trends in SARS-CoV-2 or influenza concentrations from a specific community over time can be used to help understand whether cases or hospitalizations are likely to increase or decrease in the community. Sample collection methods and mechanisms, collection times, and sample variability are other factors that discourage cross-site comparison.

Guide to Interpreting Data on SARS-CoV-2 Lineages in Wastewater Samples

What are lineages and how are they determined?

Wastewater is sequenced to determine the variants of SARS-CoV-2 virus present in a sample, a proxy for circulating variants in the community. Our sequencing strategy utilizes the entire genome of SARS-CoV-2 to identify mutations that are diagnostic of variants of the virus. Full genome coverage gives us better resolution for distinguishing variants, especially those very similar to each other. Variant names and lineage relationships are determined by the World Health Organization (WHO).

Variant: A genome that contains a particular set of mutations.

Mutation: A change in the genetic information introduced during viral replication.

Lineage: A collection of variants all related to each other based on analysis of the virus genomic sequence.

What is the sequencing plot showing me?

This plot is displaying the relative abundance, or proportion, of lineages found in a wastewater sample collected on a particular date. This plot was generated after comparing sample sequences to a SARS-CoV-2 reference genome and identifying characteristic mutations that are associated with different variants. We then calculate the percentage of each variant present in the sample. This plot summarizes the variant detections; lineages are displayed, as there are often many variants detected that are in the same lineage.

What do the results mean?

The SARS-CoV-2 variants identified in a particular plant's wastewater can provide insight into the variants circulating in the population that the plant serves. This information can be useful, as there tend to be fewer clinical sequences, and those might only reflect a small proportion of the community feeling sick enough to pursue testing. The wastewater samples passively capture the virus shed in wastewater from the community where the wastewater was collected, not just those who are symptomatic. Wastewater data is not interpreted in isolation but rather considered alongside other public health metrics.

Does the number or type of lineages tell us how many people are sick?

We cannot tell how many people are sick from the lineages observed in the wastewater. We can only see relative proportions of the variants that are present in the community served by the



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wastewater treatment plant. We do pay attention to specific mutations that have been identified as having clinical implications (e.g., for effectiveness of medications or disease severity).

Can I compare the lineages in a sample from site to site?

Yes. We often detect variants in a particular plant first, and then see the relative abundance change over time, with certain lineages becoming more prevalent across the state from plant to plant. We compare these detections to sequence data from across the United States and the world.

Why are the dates of the sequencing data not as current as the gene copies data?

Sequencing results are available about two weeks after sample collection. This is because the quantification of SARS-CoV-2 levels by dPCR happens first, and then genetic material (RNA) is sent for sequencing. Additionally, samples then take multiple days to run on the sequencer and computational processing of sequences takes additional time before results are available.

Why do the lineages in the legend change periodically?

The lineages shown in the sequencing plot of this report are in alignment with the CDC's national genomic surveillance system. As the SARS-CoV-2 virus mutates, new variants emerge. This means there are regularly new variants that contribute to the spread of COVID-19. Some variants will disappear while others will continue to spread and even replace others as the dominant variant. These monthly reports reflect those changes as we continue to monitor for emerging variants of concern.



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**UNITED STATES ENVIRONMENTAL PROTECTION
AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590**

REPLY TO THE ATTENTION OF:

WS-15J

Amy Underwood
Downers Grove Sanitary District
2710 Curtiss Street
Downers Grove, IL 60515
630-969-0664

Subject: Categorical Exclusion, Trunk Sewer Rehabilitation Project, Downers Grove Sanitary District, Illinois

Dear Ms. Underwood:

In accordance with the U.S. Environmental Protection Agency (EPA) regulations for implementing the requirements of the National Environmental Policy Act (NEPA), EPA is issuing a categorical exclusion (CATEX), pursuant to 40 CFR § 6.204, for a water treatment plant project in the Downers Grove Sanitary District, Illinois. The District is seeking federal funds through an EPA Community Grant for rehabilitation of the Curtiss Street Sanitary Sewer using cured-in-place (CIPP) lining.

The Downers Grove Sanitary District owns and operates approximately 250 miles of sewers. For this project approximately 4,500 lineal feet of 42-inch reinforced concrete pipe will be rehabilitated using a CIPP rehabilitation technique. The CIPP technique consists of inserting a flexible resin polyester felt like tube into the existing pipe. The tube is heat cured in place, using the existing pipe as the exterior form for a new pipe. The new pipe allows for a tight-fitting liner and restores the structural integrity of the pipe. The rehabilitation of the Curtiss Street Sanitary Sewer will prevent failure of the pipe which could lead to backups and sanitary sewer overflows.

The project meets the CATEX eligibility criteria found in 40 CFR § 6.204(a)(1)(ii) since it involves minor upgrading and functional replacement. This category includes "actions relating to existing infrastructure systems (such as sewer systems; drinking water supply systems; and stormwater systems, including combined sewer overflow systems) that involve minor upgrading, or minor expansion of system capacity or rehabilitation (including functional replacement) of the existing system and system components (such as the sewer collection network and treatment system; the system to collect, treat, store and distribute drinking water; and stormwater systems, including combined sewer overflow systems) or construction of new minor ancillary facilities adjacent to or on the same property as existing facilities." This project does not involve new or relocated discharges to surface or ground water, an increase in the volume or loading of

pollutants to receiving water, or an increase in the capacity to serve a population 30 percent greater than the existing population. Further, it is not contrary to any state or regional growth plan or strategy; and it is not primarily for the purpose of future development.

Based on our review of the work plan provided by the Downers Grove Sanitary District, EPA has concluded that the project will not cause significant adverse effects. EPA finds that the proposed action is eligible for exclusion from detailed environmental review under 40 CFR § 6.204(a)(1) and will not involve any of the extraordinary circumstances delineated under 40 CFR § 6.204(b)(1) through (b)(10). Consequently, EPA will not prepare an environmental impact statement or an environmental assessment for the proposed project. EPA may revoke this CATEX if new information or changes in the proposed action involve or relate to at least one of the extraordinary circumstances or otherwise indicate that the action may not meet the criteria for a CATEX.

As the Responsible Official, I have determined that this action is eligible for a CATEX per the substantive environmental review requirements under EPA regulations at 40 CFR § 6.204.

Sincerely,

2/1/2023

X Michelle Becker

Signed by: Becker, Michelle

Michelle Becker, Acting Branch Manager
State and Tribal Programs and Support Branch