

DOWNERS GROVE SANITARY DISTRICT  
GENERAL MANAGER'S REPORT  
April 12, 2024

April Board Meeting

Copies of documentation for the following agenda items are enclosed for the April 16, 2024, meeting:

- 1) Proposed Agenda
- 2) Minutes of the March 19, 2024, regular meeting
- 3) Claim Ordinance 1936
- 4) Memo regarding Elections of Officers
- 5) Memo regarding Decennial Committee Appointment
- 6) Memo regarding Revision of Authorized Bank Account Signer
- 7) Memo regarding Group Insurance Coverage Renewal
- 8) Memo regarding the 2024 Annual Newsletter
- 9) Annexation Ordinance No. AO 2024-03 – 1042 Norfolk Street, Downers Grove

BOLI Meeting

There is a BOLI meeting scheduled for 6:30 pm on April 16, 2024. The meeting will be at the District Admin Center in the Board Room. The packet for that meeting is enclosed.

Operations Reports

Copies of the following are enclosed for March 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 Nick.
- 4) Progress Report from Todd 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

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 met on March 19, 2024. Incident reports and safety suggestions were discussed. A CPR makeup course was held in early April for employees who were absent for the

December 2022 training. Sam Gudewicz, Lab Analyst, completed OSHA 10-Hour certification. Jessie Gwozdz attended OSHA 7505 Training, Introduction to Incident Investigation.

### Financial

A copy of the Investment Schedule as of March 31, 2024, is enclosed.

The Treasurer's Report for March 2024 covering the first eleven months of FY 23-24 is included herein, along with a summary cover memo.

### Meetings

I took vacation from March 25 – 28.

I attended the following meetings since the March 15, 2024, General Manager's report:

- March 19 attended Metropolitan Mayors Caucus Environment Committee meeting
- March 21 gave tour of WWTC to Downers Grove North High School AP Environmental Science Class. Brian Meng and Nick Preen also attended.
- April 3 attended IAWA PFAS Subcommittee meeting
- April 3 attended CSWEA Strategic Planning workshop
- April 4 attended stakeholder interview for Guiding Downers Grove at Village Hall
- April 4 attended NACWA Small & Mid-Size Utility Working Group meeting
- April 5 attended CSWEA Strategic Planning workshop
- April 8 attended IAWA Legislative Subcommittee meeting
- April 8 attended Midwest Student Design Competition hosted by CSWEA in Madison, WI
- April 9 attended CSWEA Education Seminar in Madison, WI
- April 10 attended CSWEA Local Arrangements Committee meeting
- April 11 attended DRSCW Executive Board meeting in Addison. Larry also attended.

### Miscellaneous

Copies of the following items are enclosed:

- 1) 2024 Progress Report on WWTC PDOP, dated March 18
- 2) March 18 letter to U.S. Senate Committee on the Environment and Public Works regarding PFAS and CERCLA
- 3) General Manager's Report to the Employees dated March 22 and April 5
- 4) March 2024 DGSD WWTC wastewater reports of SARS-CoV-2, influenza A & B and RSV levels
- 5) DRSCW-LDRWC Special Conditions Report dated March 31

cc: AES, JMW, ME, BOLI, DM, CS

**DOWNERS GROVE SANITARY DISTRICT  
BOARD OF TRUSTEES MEETING  
APRIL 16, 2024 – 7:00 PM  
BOARD ROOM**

**PROPOSED AGENDA**

- I. APPROVAL OF MINUTES
  - A. REGULAR MEETING – MARCH 19, 2024
  
- II. APPROVAL OF CLAIM ORDINANCE NO. 1936
  
- III. PUBLIC COMMENT
  
- IV. OLD BUSINESS
  
- V. NEW BUSINESS
  - A. ELECTIONS
  - B. DECENNIAL COMMITTEE APPOINTMENT
  - C. REVISION OF AUTHORIZED BANK ACCOUNT SIGNER
  - D. INSURANCE – EMPLOYEE GROUP COVERAGE
  - E. ANNUAL NEWSLETTER REVIEW
  - F. ANNEXATION ORDINANCE AO 2024-03, 1042 NORFOLK STREET,  
DOWNERS GROVE

**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 April 16, 2024. 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, March 19, 2024, convening at 7:00 p.m. The meeting was held at the District's Administration Center, 2710 Curtiss Street, Downers Grove. Present were Trustees Amy E. Sejnost and Jeremy M. Wang, General Manager Amy R. Underwood, Information Coordinator Alyssa J. Caballero, Sewer System Engineering Technician Brandon Morris, and Attorney Dan McCormick. Mitch Backes of Assured Partners also attended. One member of the public attended.

### Minutes of Regular Meeting – February 13, 2024

A motion was made by Trustee Wang seconded by Trustee Sejnost approving the minutes of the regular meeting held on February 13, 2024 and authorizing the Acting President and Clerk to sign same. The motion carried.

### Claim Ordinance No. 1935

A motion was made by Trustee Wang seconded by Trustee Sejnost adopting Claim Ordinance No. 1935 in the total amount of \$1,446,947.15 as presented and authorizing the Acting President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Sejnost and Wang.)

### Public Comment – None

### New Business

### Business Insurance Renewals for FY 24-25

Mitch Bakes of Assured Partners reviewed the proposal for renewal of the District's property and liability coverages with effective dates of April 14. The proposal included General Liability, Automobile, Public Officials Liability, Umbrella Liability, Fidelity and Crime, Property, Cyber-Liability and Workers Compensation. Staff's recommendation is to renew the General Liability, Automobile, Public Officials Liability, Umbrella Liability, and Property coverages with Selective Insurance Inc. The Property policy with Selective includes Equipment Breakdown coverage through Inland Marine. Staff recommended to renew existing Equipment Breakdown policy with Inland Marine and the existing Tank Storage Pollution Liability coverage through Crum & Forster. Staff also recommended keeping Cyber-Liability coverage with Cowbell Cyber, Crime with Liberty Mutual and Workers Compensation with IPRF. The total annual premiums are proposed at \$236,679. A motion was made by Trustee Wang seconded by Trustee Sejnost authorizing the Administrative Supervisor to renew all of the District's insurance coverages as presented in the March 19, 2024 memo. The motion carried. (Votes recorded: Ayes- Sejnost and Wang.)

### Five Year Financial Plan and Budget Approval – FY 2024-25

The Five-Year Financial Plan and Budget were presented at the February Board meeting and have been available for public review since February 15 following a public notice of availability. A motion was made by Trustee Wang seconded by Trustee Sejnost approving the Five-Year

Financial Plan for Fiscal Years 2024-25 to 2028-29 which includes the budget for Fiscal Year 2024-25. The motion carried. (Votes recorded: Ayes–Sejnost and Wang.)

#### Adopt Appropriation Ordinance for Fiscal Year 2024-25

The Fiscal Year 2024-25 Appropriation Ordinance was presented at the February Board meeting and has been available for public review since February 15 following a public notice of availability. The Ordinance establishes the spending limits for the year including operation and maintenance and capital improvements for all areas of District operations. A motion was made by Trustee Wang seconded by Trustee Sejnost adopting the Fiscal Year 2024-25 Appropriation Ordinance and authorizing the Acting President and Clerk to sign same. The motion carried. (Votes recorded: Ayes– Sejnost and Wang.)

#### Adopt Ordinance Amending Fees

General Manager Underwood presented Ordinance No. ORD 24-01. This ordinance increases various District fees and charges to the following amounts:

- a) Permit inspection fees - \$273 per building sanitary service for single family class and \$452 per building sanitary service (or \$261 per building sanitary service if no work on building sanitary service is required) for all other classes.
- b) Tap-in fee - \$1,103 per population equivalent (P.E.).
- c) Trunk sewer service charges - \$511 per P.E.
- d) Lateral sewer charge - \$14,221 per building drain to near side property and \$10,302 per building drain to far side property.
- e) Sewer construction inspection fee - \$86.50 per hour straight time and \$129.75 per hour overtime.
- f) Basic user rate - \$2.75 per 1000 gallons of water (or \$66.00 per quarter for all non-metered single family residential users).
- g) Surcharge rate - \$0.38 per pound for biochemical oxygen demand (BOD) and \$0.48 per pound for suspended solids (SS) (or \$4.79 per 1000 gallons for users who do not have a sampling chamber).
- h) Sampling and monitoring charge – This charge will vary from \$7.05 per month to \$156.48 per month depending on the type of user.
- i) Hauled grease separator waste - \$70.00 per 1,000 gallons of hauled grease separator waste.

A motion was made by Trustee Wand seconded by Trustee Sejnost adopting Ordinance No. ORD 24-01 and authorizing the Acting President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Sejnost and Wang.)

#### Compensation of General Manager for FY24-25

A motion was made by Trustee Wang seconded by Trustee Sejnost to increase General Manager Underwood's salary from \$185,865 to \$197,567 effective April 1, 2024. The motion carried. (Votes recorded: Ayes–Sejnost and Wang.)

### Planned Retirement Preparation Approval

General Manager Underwood presented a memo identifying Dwayne Carpenter's anticipated retirement from the District, the related additional payouts to him anticipated under the District's vacation leave payout policy contained in the Employee Policy Manual, and compliance with new statutory requirements under Public Act 99-0646 (the Illinois Local Government Wage Increase Transparency Act). In compliance with Public Act 99-0646 (the Illinois Local Government Wage Increase Transparency Act), a motion was made by Trustee Wang seconded by Trustee Sejnost to permit additional wage payments to Dwayne Carpenter spreading 168 hours of vacation over the first 3 of his last 6 months of employment, consistent with the District's Employee Policy Manual, in the amount of \$3,567.76, in anticipation of his announced retirement date of September 30, 2024, increasing his retirement monthly pension amount by \$24.50, and increasing the cost of his pension annuity and DGSD's pension cost by \$4,271.09. The motion carried. (Votes recorded: Ayes—Sejnost and Wang.)

### Contract Award – Sludge Hauling and Land Application

General Manager Underwood reviewed the bids received on March 12 for Sludge Hauling and Land Application services. Three bids were received. She recommended that the contract be awarded to the lowest responsible, responsive bidder Stewart Spreading of Sheridan, Illinois in the amount of \$239,120. A motion was made by Trustee Wang seconded by Trustee Sejnost to award the contract for sludge hauling and land application services to the lowest responsible, responsive bidder, Stewart Spreading, in the amount of \$239,120 and to authorize the General Manager to engage the contractor for this work. The motion carried. (Votes recorded: Ayes—Sejnost and Wang.)

### Annexation Ordinance AO 2024-01 – 1029 Oxford Street, Downers Grove

Staff presented Annexation Ordinance No. AO 2024-01 for the annexation of a single-family lot located at 1029 Oxford Street, Downers Grove. A motion was made by Trustee Wang seconded by Trustee Sejnost accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2024-01 as presented and authorizing the Acting President and Clerk to sign same. The motion carried. (Votes recorded: Ayes—Sejnost and Wang.)

### Annexation Ordinance AO 2024-02 – 1027 Oxford Street, Downers Grove

Staff presented Annexation Ordinance No. AO 2024-02 for the annexation of single-family lot located at 1027 Oxford Street, Downers Grove. A motion was made by Trustee Wang seconded by Trustee Sejnost accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2024-02 as presented and authorizing the Acting President and Clerk to sign same. The motion carried. (Votes recorded: Ayes—Sejnost and Wang.)

### Other New Business

Trustee Wang thanked Maintenance Supervisor Nick Whitefleet for his monthly report and noted the repair to the Excess Flow Clarifiers 1 & 2 Traveling Bridge. He expressed his appreciation for the explanation of the business insurance renewals. He asked about the progress of the proposed accounting software replacement. Trustee Wang noted that CHP 1 has been operating well and

that the District operated at net-zero this month. He welcomed Brandon Morris. He noted receipt of the safety grant from IPRF. He inquired about the recovery of the employee who had a minor eye injury. Lastly, Trustee Wang expressed his appreciation to all the District's female employees, including Trustee Sejnost, in celebration of Women's History Month.

Trustee Sejnost congratulated Alyssa Caballero for her 10 years of service with the District and Dwayne Carpenter for his 20 years of service. She noted a new Maintenance Mechanic has been hired. She also note the minor eye injury, the installation of the guards on the belt press sludge feed pumps and that Jessie Gwozdz attended OSHA 7500 training. Trustee Sejnost expressed her appreciation for General Manager Underwood's continued involvement with different organizations. She noted the upcoming employee communications workshop. She also noted receipt of the safety grant from IPRF. She inquired about the progress of Curtiss Street lining project. She noted the support letter for the PFAS federal bill. Trustee Sejnost noted the five days of discharge over 11 MGD noted in Operations Supervisor Majewski's monthly report. She also noted the repair to the Excess Flow Clarifiers 1 & 2 Traveling Bridge and bar screen lighting upgrade, thanking Maintenance Supervisor Whitefleet for the savings. Lastly, she also noted that CHP 1 and 2 have been operating well.

General Manager Underwood noted a special meeting would be needed for Venard force main replacement project award and asked the Trustees when they could meet. The meeting will be scheduled for 7:00 p.m. on Tuesday, May 7.

A motion was made by Trustee Wang seconded by Trustee Sejnost to adjourn the regular meeting at 8:36 p.m. The motion carried.

Approved: April 16, 2024

\_\_\_\_\_  
President

Attest: \_\_\_\_\_  
Clerk

Downers Grove, Illinois

Date: April 16, 2024

Claim Ordinance No. 1936

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 **\$1,927,537.50** being in words and figures as follows:



PAYROLL END DATE: 03.15.24  
 PAYROLL PAID DATE: 03.19.24  
 G/L DATE: 04.30.24

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		21288.48-
01-00.2000	FEDERAL TAX WITHHELD		3196.13-
01-00.2001	STATE TAX WITHHELD		1499.33-
01-00.2002	SOCIAL SECURITY WITHHELD		2463.37-
01-00.2003	IMRF WITHHELD		1449.05-
01-00.2013	CREDIT UNION WITHHELD		515.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1590.87-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		283.33-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		741.09-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-11.A003	GENERAL MANAGEMENT	10179.51	
01-11.A004	FINANCIAL RECORDS	550.43	
01-11.A007	CODE ENFORCEMENT	7955.13	
01-11.A008	SAFETY ACTIVITIES	178.05	
01-11.A030	BUILDING AND GROUNDS	289.22	
01-12.A009	OPERATIONS MANAGEMENT	5398.31	
01-12.A011	MAINTENANCE - WWTC	2043.45	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	267.08	
01-12.A014	MAINTENANCE - ELECTRICAL	133.31	
01-12.A021	WWTC - OPERATIONS	136.29	
01-12.A030	BUILDING AND GROUNDS	467.27	
01-13.A009	OPERATIONS MANAGEMENT	3246.25	
01-13.A041	LAB - WWTC	130.37	
01-13.A042	LAB - PRETREATMENT	1406.94	
01-14.A006	ENGINEERING	42.00	
01-15.A006	ENGINEERING	42.00	
01-15.A030	BUILDING AND GROUNDS	445.13	
01-15.A080	LIFT STATION MAINTENANCE	155.91	
		33066.65	33066.65-

PAYROLL END DATE: 03.16.24  
 PAYROLL PAID DATE: 03.22.24  
 G/L DATE: 04.30.24

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		55084.26-
01-00.2000	FEDERAL TAX WITHHELD		8931.62-
01-00.2001	STATE TAX WITHHELD		4064.51-
01-00.2002	SOCIAL SECURITY WITHHELD		6631.02-
01-00.2003	IMRF WITHHELD		3849.36-
01-00.2005	CLEARING		20.89-
01-00.2013	CREDIT UNION WITHHELD		2222.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		4316.53-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		305.00-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		192.31-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1160.95-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		238.49-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		531.70-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		565.24-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		224.21-
01-11.A003	GENERAL MANAGEMENT	1138.66	
01-11.A004	FINANCIAL RECORDS	8300.96	
01-11.A005	ADMINISTRATIVE RECORDS	1254.48	
01-11.A007	CODE ENFORCEMENT	6618.53	
01-11.A008	SAFETY ACTIVITIES	1676.25	
01-12.A011	MAINTENANCE - WWTC	10696.64	
01-12.A012	MAINTENANCE - VEHICLES	298.72	
01-12.A014	MAINTENANCE - ELECTRICAL	7789.89	
01-12.A021	WWTC - OPERATIONS	15990.93	
01-12.A022	WWTC - SLUDGE HANDLING	5207.88	
01-12.A023	WWTC - ENERGY RECOVERY	309.96	
01-12.A030	BUILDING AND GROUNDS	4093.99	
01-13.A041	LAB - WWTC	6035.58	
01-13.A048	LAB - ENERGY RECOVERY	242.22	
01-14.A051	SEWER MAINTENANCE	11038.78	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	594.75	
01-14.A061	INSPECTION - NEW CONSTRUCTION	18.74	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1126.81	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	498.87	
01-14.A064	INSPECTION - MISCELLANEOUS	653.37	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	1098.09	
01-14.A066	INSPECTION - CODE ENFORCEMENT	3053.99	
01-15.A080	LIFT STATION MAINTENANCE	600.00	
		88338.09	88338.09-

PAYROLL END DATE: 03.30.24  
 PAYROLL PAID DATE: 04.05.24  
 G/L DATE: 04.30.24

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		56074.39-
01-00.2000	FEDERAL TAX WITHHELD		8933.93-
01-00.2001	STATE TAX WITHHELD		4055.91-
01-00.2002	SOCIAL SECURITY WITHHELD		6711.47-
01-00.2003	IMRF WITHHELD		3923.94-
01-00.2005	CLEARING		20.89-
01-00.2013	CREDIT UNION WITHHELD		2222.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		4274.31-
01-00.2017	VOLUNTARY GROUP LIFE		160.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		305.00-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		192.31-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1160.95-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		238.49-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		471.11-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		420.69-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		224.21-
01-11.A003	GENERAL MANAGEMENT	532.35	
01-11.A004	FINANCIAL RECORDS	8283.39	
01-11.A005	ADMINISTRATIVE RECORDS	838.98	
01-11.A007	CODE ENFORCEMENT	5936.18	
01-11.A008	SAFETY ACTIVITIES	1668.80	
01-12.A011	MAINTENANCE - WWTC	11148.82	
01-12.A014	MAINTENANCE - ELECTRICAL	9292.48	
01-12.A021	WWTC - OPERATIONS	16726.09	
01-12.A022	WWTC - SLUDGE HANDLING	5836.32	
01-12.A023	WWTC - ENERGY RECOVERY	279.90	
01-12.A030	BUILDING AND GROUNDS	3817.47	
01-13.A041	LAB - WWTC	5744.15	
01-13.A048	LAB - ENERGY RECOVERY	180.90	
01-14.A051	SEWER MAINTENANCE	10724.88	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	400.00	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	2149.81	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	1135.50	
01-14.A064	INSPECTION - MISCELLANEOUS	1954.61	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	174.52	
01-14.A066	INSPECTION - CODE ENFORCEMENT	1765.00	
01-14.A072	SEWER INVESTIGATIONS	199.45	
01-15.A080	LIFT STATION MAINTENANCE	600.00	
		89389.60	89389.60-

PAYROLL END DATE: 03.31.24  
 PAYROLL PAID DATE: 04.02.24  
 G/L DATE: 04.30.24

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		21244.91-
01-00.2000	FEDERAL TAX WITHHELD		3188.32-
01-00.2001	STATE TAX WITHHELD		1496.45-
01-00.2002	SOCIAL SECURITY WITHHELD		2458.74-
01-00.2003	IMRF WITHHELD		1446.31-
01-00.2013	CREDIT UNION WITHHELD		515.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1588.49-
01-00.2017	VOLUNTARY GROUP LIFE		64.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		283.33-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		741.09-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-11.A003	GENERAL MANAGEMENT	10757.66	
01-11.A007	CODE ENFORCEMENT	7955.13	
01-11.A008	SAFETY ACTIVITIES	269.31	
01-11.A030	BUILDING AND GROUNDS	122.47	
01-12.A006	ENGINEERING	184.07	
01-12.A009	OPERATIONS MANAGEMENT	5032.98	
01-12.A011	MAINTENANCE - WWTC	2276.70	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	122.47	
01-12.A014	MAINTENANCE - ELECTRICAL	73.66	
01-13.A009	OPERATIONS MANAGEMENT	4761.42	
01-13.A041	LAB - WWTC	195.68	
01-14.A006	ENGINEERING	184.07	
01-15.A006	ENGINEERING	323.46	
01-15.A009	OPERATIONS MANAGEMENT	514.27	
01-15.A030	BUILDING AND GROUNDS	122.47	
01-15.A080	LIFT STATION MAINTENANCE	170.82	
		33066.64	33066.64-

===== VENDOR =====		===== INVOICE =====							
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO	
ACCURATE OFFICE SUPPLY	A000093	03/13/24	611707	01-11.B116	OFFICE SUPPLIES	32.82			
		03/12/24	611910	01-11.B116	LABELS	23.12	55.94	064761	
ACI Payments Inc.	A000096	03/12/24	1000112727	01-11.B110	OLR FEES	33.10	33.10	105652	
Archon Construction Co., Inc.	A000102	04/02/24	PAYMENT #2	01-14.B902	OUTFALL SEWER SAG REPAIR	337663.35	337663.35	064790	
ADVOCATE OCCUPATIONAL HEALTH	A000150	04/03/24	856059	01-12.B117	NEW HIRE SCREENING	341.00	341.00	064762	
ALTORFER INDUSTRIES, INC.	A000292	03/15/24	P6AC0096210	01-12.B501	SKID STEER FILTERS	161.85			
		03/28/24	PM6A0025084	01-12.B513	EMERG GEN#3 ANNUAL PM	3261.00			
		03/28/24	PM6A0025085	01-12.B513	EMERG GEN#1 ANNUAL PM	3261.00			
		03/28/24	PM6A0025086	01-12.B513	EMERG GEN#2 ANNUAL PM	3260.24			
		03/28/24	PM6A0025088	01-15.B524	HOBSON GEN ANNUAL PM	4575.00			
		03/29/24	PM6A0025146	01-15.B527	VENARD LS ATS INSPECTION	180.00			
		04/02/24	PM6A0025221	01-15.B527	VENARD LS ANNUAL PM	3049.00			
		04/05/24	PM6A0025291	01-15.B526	NORTHWEST GEN ANNUAL PM	2290.00			
		04/05/24	PM6A0025292	01-15.B528	WROBLE LS ATS INSPECTION	180.00			
		04/08/24	PM6A0025331	01-15.B528	WROBLE GEN ANNUAL PM	3049.00			
		04/08/24	PM6A0025332	01-15.B520	BTTRFLD LS GEN ANNUAL PM	1372.00			
		04/08/24	PM6A0025333	01-11.B115	ADMIN CTR GEN ANNUAL PM	870.00			
		04/09/24	PM6A0025382	01-15.B523	EARLSTON LS GEN ANNUAL PM	1184.00			
		04/10/24	PM6A0025417	01-15.B525	LIB PARK LS GEN ANNUAL PM	1324.00	28017.09	105653	
Amazon Business	A000296	03/11/24	11K9PJLRR747	01-11.B116	OFFICE SUPPLIES	117.88			
		03/18/24	11NJNH41XKLW	01-12.B116	MARKERS/DRY ERASE BOARD	45.08			
		04/07/24	13QG9XGKKQD	01-12.B116	PHONE CASES	186.89			
		03/26/24	14NR41VJ9MFW	01-11.B116	OFFICE SUPPLIES	40.73			
		03/27/24	169617X11M3N	01-12.B512	CREDIT	7.48-			
		03/25/24	17KGTJK64LTV	01-12.B113	MAINTENANCE APRONS	36.76			
		03/26/24	17KGTJK6CCFR	01-11.B116	OFFICE SUPPLIES	70.77			
		04/06/24	17WPNWD1FDGX	01-12.B117	MH OUTERWEAR	289.98			
		03/18/24	19V6DNYM1NFX	01-12.B512	FORKLIFT SVC FILTER	68.74			
		04/06/24	1CDJ4XL6F7XP	01-11.B116	OFFICE SUPPLIES	209.38			
		04/01/24	1DWP13CJ6XQN	01-14.B117	AH OUTERWEAR	74.96			
		04/06/24	1DYFKFG6DFGK	01-12.B512	FORKLIFT SVC FILTER	22.28			
		03/26/24	1F4FR1JK7D7C	01-12.B117	BS OUTERWEAR	134.10			
		03/24/24	1GNDF3PY7RW6	01-11.B118	ADMIN CTR DOOR CHIME	38.99			
		03/18/24	1GY7XWQVYW3L	01-12.B512	TOOL REPLACEMENT	63.44			
		03/18/24	1MJLTKYKVYRD	01-14.B117	AL BOOTS	149.99			
		03/31/24	1PX7PX94WFJJ	01-13.B117	SG OUTERWEAR	26.98			
		04/06/24	1RTD3MFKDYKX	01-15.B527	VENARD GEN JW HEATER RPLC	147.99			
		03/26/24	1TNF9QK4DFDV	01-11.B116	CELLPHONE CAR ADAPTER	9.98			
		04/01/24	1TYKWY361MYC	01-13.B116	LAB SUPPLIES	134.63	1862.07	105654	
AMERICAN HOIST & MANLIFT, INC	A000315	03/19/24	29144	01-15.B524	HOBSON ELEVATOR INSPECT	500.00	500.00	105655	
BAXTER & WOODMAN, INC.	B000120	03/19/24	0256689	01-11.B124	FLOW MONITORING	80.16			
		03/19/24	0256690	01-11.B124	SEWER MODELING	57.50			
		03/19/24	0256691	01-14.B902	OUTFALL SEWER SAG CS	690.88			
		03/19/24	0256696	01-13.B124	PRETREATMENT ASSISTANCE	843.75			
		03/19/24	0256699	01-11.B124	2024 MISC ENGINEER SVCS	1015.20	2687.49	105656	
DORRANCE BERRY	B000150	04/01/24	REIMBURSE	01-13.B117	IAWPCO CONFERENCE	557.40	557.40	105657	

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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO	
BradyIFS	B000319	03/27/24	8748574	01-12.B116	MSB SUPPLIES	133.00	133.00	105658	
BREUER METAL CRAFTSMEN INC.	B000330	03/28/24	14637	01-12.B506	PRIMARIES RAILING/GRATING	16450.00			
		04/05/24	14669	01-12.B510	DIG 4 COVER RAILING	19300.00	35750.00	064763	
CAREERSAFE	C000087	04/01/24	CS652159	01-11.B113	MH OSHA TRAINING	59.00	59.00	064791	
CHEM-WISE ECOLOGICAL	C000190	04/08/24	1231442	01-11.B118	TRI ANNUAL SERVICE	105.00			
		04/08/24	1231442	01-12.B812	TRI ANNUAL SERVICE	200.00	305.00	105659	
CINTAS #344	C000300	03/19/24	4186867949	01-12.B117	WWTC UNIFORMS	82.06			
		03/19/24	4186867949	01-14.B117	SS UNIFORMS	40.84			
		03/26/24	418708044	01-12.B117	WWTC UNIFORMS	87.34			
		03/26/24	418708044	01-14.B117	SS UNIFORMS	40.84			
		04/02/24	4188297947	01-12.B117	WWTC UNIFORMS	83.56			
		04/02/24	4188297947	01-14.B117	SS UNIFORMS	40.84			
		04/09/24	4189019769	01-12.B117	WWTC UNIFORMS	106.64			
		04/09/24	4189019769	01-14.B117	SS UNIFORMS	40.84	522.96	064764	
CINTAS FIRST AID & SAFETY	C000320	04/04/24	5205165525	01-11.B113	FIRST AID REPLENISH	218.69	218.69	064765	
CLOUDEMELLOW	C000333	04/01/24	241310	01-11.B115	MONTHLY WEB HOSTING	95.00	95.00	064792	
COMCAST	C000373	04/03/24	877120120055	01-11.B112	BACK UP INTERNET	144.85	144.85	064766	
Comcast	C000375	04/01/24	001001186509	01-11.B112	INTERNET SERVICE	830.00	830.00	064767	
COMED	C000380	03/19/24	0464955000	01-15.B100	COLLEGE LS ELECTRIC	609.48			
		03/19/24	0771764000	01-15.B100	LIBERTY PARK LS ELECTRIC	632.37			
		03/19/24	1557021222	01-15.B100	EARLSTON LS ELECTRIC	505.77			
		03/25/24	2125907000	01-15.B100	CENTEX LS ELECTRIC	187.42			
		03/19/24	23344233333	01-15.B100	NORTHWEST LS ELECTRIC	1794.01			
		03/28/24	2764819000	01-12.B100	BIG TOP ELECTRIC	170.49			
		03/19/24	3843274000	01-15.B100	HOBSON LS ELECTRIC	3397.94			
		03/19/24	4675132222	01-15.B100	WROBLE LS ELECTRIC	1340.38			
		03/26/24	6828085000	01-15.B100	VENARD LS ELECTRIC	717.86			
		03/28/24	8159307000	01-12.B100	WALNUT HSE ELECTRIC	37.80			
		03/28/24	8159307000	01-14.B910	BSSRAP PROGRAM ELECTRIC	247.67			
		03/19/24	9286103000	01-15.B100	BUTTERFIELD LS ELECTRIC	254.84	9896.03	064768	
CONCENTRIC INTEGRATION, LLC	C000410	03/19/24	0256692	01-12.B513	SCADA SFTWRE PLTFRM RPLC	7497.24			
		03/19/24	0256694	01-11.B115	2023-2024 SUPP AGRMNT	1966.80			
		03/19/24	0256694	01-12.B513	2023-2024 SUPP AGRMNT	2950.20			
		03/19/24	0256695	01-11.B115	2023-2024 T&M SUPP SVCS	3291.83			
		03/19/24	0256695	01-12.B512	2023-2024 T&M SUPP SVCS	1890.00	17596.07	105660	
COVERALL NORTH AMERICA, INC	C000557	04/01/24	1010727522	01-11.B118	ADMIN CTR CLEANING	489.00	489.00	105661	
THE DAVEY TREE EXPERT COMPANY	D000106	03/11/24	918321504	01-12.B812	TREE PRUNING	2560.00	2560.00	064793	
DELTA SONIC	D000220	03/29/24	0014142	01-12.C225	PLANT CAR WASH	8.33			
		03/29/24	0014142	01-14.C225	SS CAR WASH/INTERIOR	40.32	48.65	064769	
VILLAGE OF DOWNERS GROVE	D000480	03/15/24	14205	01-11.B121	METER READINGS	491.12			
		04/05/24	14259	01-11.C222	ADMIN FUEL	117.02			
		04/05/24	14259	01-12.C222	PLANT FUEL	1252.82			
		04/05/24	14259	01-13.C222	LAB FUEL	62.43			
		04/05/24	14259	01-14.C222	SS FUEL	2438.50	4361.89	064770	
DYNEGY ENERGY SERVICES	D000800	03/21/24	131643524031	01-15.B100	COLLEGE LS ELECTRIC	164.59			
		03/21/24	131643724031	01-15.B100	WROBLE LS ELECTRIC	438.37			

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		03/28/24	131643924031	01-15.B100	VENARD LS ELECTRIC	196.44			
		03/25/24	131644024031	01-15.B100	NORTHWEST LS ELECTRIC	624.96			
		03/21/24	131644224031	01-15.B100	EARLSTON LS ELECTRIC	134.75			
		03/21/24	131644324031	01-15.B100	BUTTERFIELD LS ELECTRIC	87.86			
		03/22/24	131644424031	01-15.B100	HOBSON LS ELECTRIC	1082.40			
		03/21/24	13164824031	01-15.B100	LIBERTY PARK ELECTRIC	161.45	2890.82	105662	
EJ EQUIPMENT, INC.	E000030	03/22/24	W069289	01-14.C225	VAC-CON REPAIR	1638.40	1638.40	064771	
EVOQUA WATER TECHNOLOGIES	E000470	04/03/24	906402822	01-12.B503	BRIDGE SHEAR PINS	452.30	452.30	105663	
EXODUS TECHNOLOGY SERVICE	E000480	03/16/24	24115	01-11.B124	FEBRUARY IT SERVICES	6151.25	6151.25	064772	
EYE MED VISION CARE	E000600	04/01/24	166232008	01-17.E455	VISION INSURANCE	429.25	429.25	064773	
FIRST ADVANTAGE	F000130	03/31/24	2501222403	01-12.B117	DRUG TEST	31.28	31.28	105664	
FirstComm	F000136	04/06/24	126525503	01-11.B112	ADMIN PHONE SERVICE	220.97			
		04/06/24	126525503	01-12.B112	PLANT PHONE SERVICE	331.96			
		04/06/24	126525503	01-13.B112	LAB PHONE SERVICE	62.42			
		04/06/24	126525503	01-14.B112	SS PHONE SERVICE	174.57	789.92	064794	
FIRST ENVIRONMENTAL LAB	F000140	03/21/24	182026	01-13.B123	MARCH 2024 BIO NUTR/METAL	322.80			
		03/21/24	182027	01-13.B123	MARCH 2024 NPDES MONTHLY	117.60			
		04/10/24	182480	01-13.B123	APRIL 2024 BIOSOLIDS	322.80	763.20	105665	
Foster's Test Lane	F000270	12/19/23	44833	01-12.C225	BIOSOLID TRK SAFETY TEST	69.00			
		12/19/23	44833	01-14.C225	VAC CON SAFETY TESTING	69.00	138.00	064774	
GA INDUSTRIES	G000109	01/08/24	12B505	01-12.B505	CHK VLV REPAIR/OVERHAUL	3964.98	3964.98	105702	
W. W. GRAINGER, INC.	G000520	03/13/24	9050428110	01-12.B512	MAINT REPAIR SUPPLIES	70.31			
		03/13/24	9051558352	01-12.B512	MAINT REPAIR SUPPLIES	12.78			
		03/13/24	9051558360	01-12.B512	MAINT REPAIR SUPPLIES	111.35			
		03/13/24	9051558378	01-12.B512	MAINT REPAIR SUPPLIES	87.11			
		03/14/24	9052445666	01-12.B512	ELECTRICAL SUPPLIES	5.86			
		03/15/24	9054129300	01-12.B113	GLOVES	114.70			
		03/21/24	9061416286	01-12.B506	RAILING INSTALL SUPPLIES	26.80			
		03/22/24	9061997673	01-12.B512	MAINT REPAIR SUPPLIES	64.16			
		03/22/24	9062504635	01-12.B116	GREASE GUN	96.22			
		03/26/24	9066158990	01-12.B116	MSB SUPPLIES	22.29			
		03/27/24	9066917767	01-12.B113	SAFETY SUPPLIES	66.21			
		03/28/24	9068872986	01-12.B512	MAINT REPAIR SUPPLIES	133.44			
		03/28/24	9068872994	01-11.B113	EYE WASH REPLC BOTTLE	23.52			
		04/03/24	90738347658	01-12.B812	MSB TOOL RM SUPPLIES	3.00			
		04/03/24	9074895559	01-12.B512	MAINT REPAIR SUPPLIES	287.96			
		04/05/24	9077742238	01-12.B810	VENT FAN PARTS	183.51			
		04/05/24	9077742220	01-13.B116	LAB SUPPLIES	1230.97			
		04/08/24	9078886588	01-12.B810	VENT FAN MOTOR	171.19			
		04/08/24	9078886596	01-12.B810	CREDIT	171.49-	2539.89	105666	
JESSICA GWOZDZ	G000630	03/28/24	REIMBURSE	01-11.B117	JG OUTERWEAR	64.29	64.29	105667	
HACH COMPANY	H000040	04/08/24	13989283	01-13.B114	LAB CHEMICALS	2798.49	2798.49	105668	
HOME DEPOT	H000400	03/27/24	0041278	01-12.B805	HOSE SPICKET REPAIR PARTS	35.86			
		03/26/24	1023275	01-12.B116	STORAGE TOTE	39.60			
		04/04/24	2522398	01-14.B116	SS SUPPLIES	32.47			
		03/14/24	3013753	01-12.B116	GROUNDS SUPPLIES	47.91			

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		04/03/24	3014573	01-12.B116	SUPPLIES	29.91			
		04/03/24	3014573	01-13.B115	LAB COVE BASE	40.62			
		03/14/24	3020082	01-11.B118	DOOR/DESK REPAIR SUPPLIES	96.87			
		03/14/24	3625254	01-14.B116	SS SUPPLIES	14.64			
		03/13/24	4371054	01-14.B116	GROOVE JOINT PLIERS	21.97			
		03/22/24	5014159	01-12.B812	MSB TOOL RM SUPPLIES	26.51			
		03/19/24	8040819	01-12.B512	BS TOOL REPLACEMENT	14.97			
		03/20/24	WJ51671393	01-14.B117	AH OUTERWEAR	99.00	500.33	064775	
IFM EFECTOR INC.	I000033	03/28/24	41563483	01-12.B508	TWAS ULTRASONIC SENSOR	326.20	326.20	105669	
IAWA	I000100	04/02/24	5669	01-11.B117	AU/CS IAWA MINI CONF	407.00	407.00	064776	
IL ENV PROTECTION AGENCY	I000260	03/14/24	L173088	01-14.B929	LOAN PAYMENT	90795.56	90795.56	105670	
ILLINOIS SEC. AMERICAN WATER	I000360	04/01/24	200087924	01-11.B113	MH FLAGGER TRAINING	92.00	92.00	064795	
IMPACT NETWORKING, LLC	I000400	03/20/24	3192081	01-11.B115	COPIER SERVICE	106.00	106.00	105671	
INFOSEND, INC.	I000415	03/29/24	259536	01-11.B121	MAILING SERVICES	5090.58	5090.58	105672	
JC LICHT, LLC	J000013	04/03/24	11162860	01-11.B118	SERVER RM PAINT	126.14	126.14	064777	
KANSAS CITY LIFE INSURANCE CO	K000045	04/10/24	1618522	01-17.E455	LIFE INSURANCE	400.00	400.00	105673	
KARA COMPANY INC.	K000053	03/25/24	3882035	01-14.B116	MARKING FLAGS	135.64	135.64	105674	
MARC MAJEWSKI	M000110	03/18/24	REIMBURSE	01-12.B117	IAWPCO CONFERENCE	512.04	512.04	105675	
MCMaster-CARR SUPPLY COMPANY	M000360	03/20/24	24076389	01-12.B506	RAILING ANCHORS	120.63			
		03/21/24	24191482	01-11.B118	ADMIN CTR CORNER GUARDS	200.10	320.73	105676	
MICROBIOLOGICS	M000525	04/05/24	1050672	01-13.B114	MICROORGANISMS (CONTROLS)	567.21	567.21	105677	
MIDAMERICAN ENERGY SERVICES, LLM000554		03/12/24	462554	01-12.B100	PLANT ELECTRIC	716.33			
		03/05/24	462554 2	01-12.B100	PLANT ELECTRIC	1061.30	1777.63	105678	
MIDAMERICA ADMINISTRATIVE	M000556	03/21/24	0247042	01-17.E455	ADMIN PLATFORM FEES	186.00	186.00	105679	
NCPERS GROUP LIFE INSURANCE	N000010	04/01/24	3266052024	01-00.2017	VOL GROUP LIFE INSURANCE	240.00	240.00	105680	
NALCO WATER PRETREATMENT	N000030	04/10/24	6670618415	01-13.B114	DEIONIZER SYSTEM RENTAL	35.44			
		04/10/24	6670618416	01-13.B114	DEIONZIER SYSTEM RENTAL	160.38	195.82	105681	
NAPCO STEEL, INC.	N000050	03/14/24	472395	01-12.B503	BRIDGE REPAIR PARTS	164.00	164.00	105682	
NICOR GAS	N000330	03/14/24	15876210004	01-12.B101	PLANT GAS	304.90			
		03/14/24	44976210003	01-12.B101	PLANT 2 GAS	228.09			
		03/14/24	51006900008	01-12.B101	CHEMFEED GAS	198.90			
		03/14/24	54976210002	01-11.B101	ADMIN CTR GAS	188.14			
		03/14/24	87801017812	01-12.B101	WALNUT HSE GAS	97.17	1017.20	064778	
NISSEN ENERGY INC	N000350	11/08/23	291	01-12.B513	CHP 1 CYLINDER HEAD/ACCES	6376.00			
		03/08/24	326	01-12.B513	CREDIT INV# 291	2104.08-			
		08/10/23	330	01-12.B513	CHP 1 CYLINDER RPLCMNT	12700.33			
		01/30/24	369	01-12.B513	CHP 1 TROUBLESHOOTING	3747.00			
		01/30/24	370	01-12.B513	CHP 1 SPARK PLUG RPLCMNT	7950.00			
		03/15/24	380	01-12.B513	CREDIT INV# 291	4271.92-			
		03/15/24	381	01-12.B513	CREDIT INV 330	5110.12-			
		03/15/24	382	01-12.B513	CREDIT INV# 369	3617.50-			
		03/15/24	383	01-12.B513	CREDIT INV #370	6226.25-			
		03/11/24	384	01-12.B513	CHP 1 PARTS	3542.00			
		03/25/24	388	01-12.B513	CHP 1 IGNITION RPLC PART	310.00			
		04/20/24	391	01-12.B513	CHP 1 TROUBLESHOOTING	8156.00			
		03/31/24	392	01-12.B513	CHP 1 COIL	190.00			



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		04/09/24	393	01-12.B513	CREDIT INV# 384	772.32-	20869.14	105683
PETTY CASH	P000350	04/16/24	CASH BOX	01-11.B117	SUPS LUNCH	153.31		
		04/16/24	CASH BOX	01-11.B119	POSTAGE	2.00		
		04/16/24	CASH BOX	01-12.B117	AG CDL	50.00	205.31	064779
POLYDYNE INC.	P000395	04/01/24	1824882	01-12.B402	BELT PRESS POLYMER	3074.04	3074.04	105684
PORTABLE JOHN, INC	P000410	03/27/24	283723	01-12.B812	PORTABLE JOHN RENTAL	173.89	173.89	105685
PRINCIPAL LIFE INSURANCE CO	P000650	04/01/24	109309910001	01-17.E455	DENTAL INSURANCE	2831.39	2831.39	105686
RED WING SHOE STORE	R000180	03/14/24	451143478	01-12.B117	NP BOOTS	229.49		
		03/18/24	451143614	01-12.B117	CP BOOTS	301.74	531.23	105687
RENTALMAX ADMINISTRATION	R000250	03/28/24	6368565	01-12.B116	FORKLIFT FUEL	33.69	33.69	064796
Republic Services #551	R000264	03/15/24	055101588505	01-12.B102	GRIT SCREEN DISPOSAL	1072.70	1072.70	064780
MATT RICHERT	R000274	03/21/24	REIMBURSE	01-12.B117	IAWPCO CONFERENCE	572.27	572.27	105688
SHERWIN-WILLIAMS CO.	S000320	03/21/24	73979	01-12.B812	BELT PRESS SAFETY PAINT	138.34		
		03/14/24	74106	01-11.B118	ADMIN INT DOOR PAINT	89.10		
		03/21/24	75830	01-12.B812	MSB TOOL RM PAINT	41.99	269.43	105689
SOLENIS LLC	S000450	04/01/24	132591490	01-12.B402	WAS THICKNER POLYMER	3192.84	3192.84	105690
SOUND INCORPORATED	S000480	03/25/24	74989	01-11.B115	MILESTONE SUPP RENEW	1445.00	1445.00	105691
STAPLES INC.	S000640	03/27/24	6000959143	01-11.B116	C-FOLD TOWELS	74.34	74.34	105692
STEPHENS PLUMBING AND	S000680	03/18/24	269283	01-14.B910	SHEAR REPAIR	547.80		
		03/27/24	269561	01-14.B910	SHEAR REPAIR	488.60		
		04/01/24	269677	01-14.B910	SHEAR REPAIR	674.70		
		04/02/24	269717	01-14.B910	SHEAR REPAIR	701.50	2412.60	064781
SUBURBAN LIFE PUBLICATIONS	S000867	03/31/24	10071278	01-11.B124	LEGAL PUBLICATIONS	1043.38	1043.38	064782
TELCO BILL CENTER	T000155	03/21/24	3379	01-12.B112	ELEVATOR PHONES	39.78	39.78	105693
TERRACE SUPPLY COMPANY	T000250	03/31/24	0001057314	01-12.B116	CYLINDER RENTAL	47.12	47.12	105694
USABLUEBOOK	U000150	04/05/24	00326852	01-13.B116	LAB SUPPLIES	913.65		
		04/05/24	00328052	01-13.B114	LAB SUPPLIES	1168.64		
		04/05/24	00328052	01-13.B116	LAB SUPPLIES	353.80	2436.09	064783
UNITED PARCEL SERVICE	U000300	03/16/24	0003Y0091114	01-13.B116	SHIPPING SERVICE	102.18	102.18	064784
UNO CONSTRUCTION CO., INC.	U000450	03/31/24	MARCH 2024	01-14.B910	BSSRAP PROGRAM	58684.90	58684.90	105695
VWR INTERNATIONAL INC.	V000030	04/09/24	8815759845	01-13.B114	ROSOLIC ACID AMPULES	1561.26	1561.26	064785
VERIZON WIRELESS	V000135	04/01/24	542042956001	01-11.B112	ADMIN CELL PHONES	215.00		
		04/01/24	542042956001	01-12.B112	PLANT CELL PHONES	1277.27		
		04/01/24	542042956001	01-13.B112	LAB CELL PHONES	155.61		
		04/01/24	542042956001	01-14.B112	SS CELL PHONES	484.35		
		04/01/24	542042956002	01-12.B112	PLANT TABLETS	165.45		
		04/01/24	542042956002	01-14.B112	SS TABLETSS	30.06		
		04/01/24	542042956002	01-15.B112	LS TABLETS	36.01		
		03/28/24	785846626001	01-12.B112	RAIN GAUGE	67.55		
		03/28/24	785846626001	01-15.B112	LS REMOTE COMS	270.37	2701.67	064786
VISU-SEWER OF ILLINOIS, LLC	V000200	03/29/24	10062	01-14.B901	CURTISS ST SEWER LINING	631584.00	631584.00	064787
WAGNER COMMUNICATIONS, INC	W000070	04/01/24	000032433891	01-11.B112	ANSWERING SERVICE	504.51	504.51	105696
WESTFAX	W000350	04/01/24	1450471	01-11.B112	FAXING SERVICE	8.99	8.99	105697
WEST SIDE TRACTOR SALES CO.	W000380	04/08/24	N15463	01-12.B501	REPLACEMENT WASHER TANK	249.19	249.19	064788
VILLAGE OF WESTMONT	W000450	04/01/24	1216	01-11.B121	METER READINGS	370.01	370.01	064789
						=====	=====	
					Total Payments:	1306430.68	1306430.68	
					ACH Payments Total:	258821.75	.00	
					Check Payments Total:	1047608.93	1306430.68	

===== VENDOR =====		===== INVOICE =====						
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
CHASE	B000050	03/20/24	SUPVPR031524	01-00.2000	FEDERAL TAX WITHHELD	3196.13		
		03/20/24	SUPVPR031524	01-00.2002	EMPL SOC SEC TAX	2463.37		
		03/20/24	SUPVPR031524	01-17.E461	EMPLR SOC SEC TAX	2463.38	8122.88	105623
CHASE	B000050	03/25/24	EMPLPR031624	01-00.2000	FEDERAL TAX WITHHELD	8931.62		
		03/25/24	EMPLPR031624	01-00.2002	EMPL SOC SEC TAX	6631.02		
		03/25/24	EMPLPR031624	01-17.E461	EMPLR SOC SEC TAX	6631.00	22193.64	105627
CHASE	B000050	04/03/24	SUPVPR033124	01-00.2000	FEDERAL TAX WITHHELD	3188.32		
		04/03/24	SUPVPR033124	01-00.2002	EMPL SOC SEC TAX	2458.74		
		04/03/24	SUPVPR033124	01-17.E461	EMPLR SOC SEC TAX	2458.73	8105.79	105638
CHASE	B000050	04/08/24	EMPLPR033024	01-00.2000	FEDERAL TAX WITHHELD	8933.93		
		04/08/24	EMPLPR033024	01-00.2002	EMPL SOC SEC TAX	6711.47		
		04/08/24	EMPLPR033024	01-17.E461	EMPLR SOC SEC TAX	6711.43	22356.83	105643
D.G. SANIT DIST #XXXXXXXXX1117	D000400	04/16/24	REIMBURSE	01-00.1001	PAYROLL REIMBURSE	153692.04	153692.04	105650
D.G. SANIT DIST #XXXXXXXXX1114	D000420	03/28/24	REFUNDS	01-05.3001	REFUNDS	1254.55	1254.55	105646
D.G. SANIT DIST #XXXXXXXXX1112	D000440	04/16/24	REIMBURSE	01-11.B120	EMBROIDERY	40.00		
		04/16/24	REIMBURSE	01-13.B117	PRETREATMENT SEMINAR	60.00		
		04/16/24	REIMBURSE	01-14.B910	RODDING FEES	860.40	960.40	105651
DUPAGE CREDIT UNION	D000650	03/20/24	SUPVPR031524	01-00.2013	EMPL AUTHORIZED W/HOLDING	515.00	515.00	105622
DUPAGE CREDIT UNION	D000650	03/22/24	EMPLPR031624	01-00.2013	EMPL AUTHORIZED W/HOLDING	2222.00	2222.00	105626
DUPAGE CREDIT UNION	D000650	04/03/24	SUPVPR033124	01-00.2013	EMPL AUTHORIZED W/HOLDING	515.00	515.00	105637
DUPAGE CREDIT UNION	D000650	04/08/24	EMPLPR033024	01-00.2013	EMPL AUTHORIZED W/HOLDING	2222.00	2222.00	105642
FEECE OIL CO.	F000085	04/04/24	4047421	01-15.B104	LS GENERATOR FUEL	3056.93	3056.93	064760
HEALTH CARE SERVICE CORP.	H000190	03/28/24	165585	01-17.E455	HEALTH INSURANCE	47735.51	47735.51	105631
ILLINOIS DEPARTMENT OF REVENUE	I000240	03/20/24	SUPVPR031524	01-00.2001	STATE TAX WITHHELD	1499.33	1499.33	105624
ILLINOIS DEPARTMENT OF REVENUE	I000240	03/25/24	EMPLPR031624	01-00.2001	STATE TAX WITHHELD	4064.51	4064.51	105628
ILLINOIS DEPARTMENT OF REVENUE	I000240	04/03/24	SUPVPR033124	01-00.2001	STATE TAX WITHHELD	1496.45	1496.45	105639
ILLINOIS DEPARTMENT OF REVENUE	I000240	04/08/24	EMPLPR033024	01-00.2001	STATE TAX WITHHELD	4055.91	4055.91	105644
ILLINOIS MUNICIPAL	I000300	03/18/24	PENSION	01-00.2003	EMPL PENSION DEPOSIT	10827.90		
		03/18/24	PENSION	01-00.2014	EMPL VOL PENSION DEPOSIT	10579.01		
		03/18/24	PENSION	01-17.E460	EMPLR VOL PENSION DEPOSIT	13570.92	34977.83	105630
ILLINOIS MUNICIPAL	I000300	04/10/24	PENSION 2	01-00.2003	EMPL PENSION DEPOSIT	10526.67		
		04/10/24	PENSION 2	01-00.2014	EMPL VOL PENSION DEPOSIT	11750.23		
		04/10/24	PENSION 2	01-17.E460	EMPLR VOL PENSION DEPOSIT	13193.39	35470.29	105648
ILLINOIS MUNICIPAL	I000300	04/10/24	PENSION 3	01-17.E460	LATE CHARGE	34.74	34.74	105649
JWC ENVIRONMENTAL	J000030	04/04/24	118081	01-12.B503	SLUDGE GRINDER OVERHAUL	12093.00	12093.00	105641
LAI, LTD	L000012	03/28/24	2219217	01-12.B510	SLUDGE PMP 6 IMPELLER	2406.47	2406.47	105635
MIDAMERICA ADMIN HRA ACCOUNT	M000557	04/01/24	HRA FUNDING	01-17.E455	HRA FUNDING	600.00	600.00	105636
TRANSAMERICA RETIREMENT	T000415	03/20/24	SUPVPR031924	01-00.2027	DEF COMP ROTH IPPFA	40.00	40.00	105625
TRANSAMERICA RETIREMENT	T000415	03/22/24	EMPLPR031624	01-00.2026	DEF COMP IPPFA	531.70		
		03/22/24	EMPLPR031624	01-00.2027	DEF COMP ROTH IPPFA	565.24		
		03/22/24	EMPLPR031624	01-00.2028	DEF COMP LOAN REPAY IPPFA	224.21	1321.15	105629
TRANSAMERICA RETIREMENT	T000415	04/02/24	SUPVPR033124	01-00.2027	DEF COMP ROTH IPPFA	40.00	40.00	105640
TRANSAMERICA RETIREMENT	T000415	04/08/24	EMPLPR033024	01-00.2026	DEF COMP IPPFA	471.11		
		04/08/24	EMPLPR033024	01-00.2027	DEF COMPO ROTH IPPFA	420.69		
		04/08/24	EMPLPR033024	01-00.2028	DEF COMP LOAN REPAY IPPFA	224.21	1116.01	105645
VISU-SEWER OF ILLINOIS, LLC	V000200	01/31/24	10021	01-14.B901	CURTISS ST SEWER LINING	171194.40	171194.40	064759
						=====	=====	
Total Payments:						543362.66	543362.66	
ACH Payments Total:						369111.33	.00	
Check Payments Total:						174251.33	543362.66	

===== VENDOR =====			===== INVOICE =====						
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO	
BAXTER & WOODMAN, INC.	B000120	03/19/24	0256693	02-48.0502	VENARD FM REPLACEMENT	2135.00	2135.00	105698	
IL ENV PROTECTION AGENCY	I000260	03/14/24	L173088 2	02-30.0515	LOAN PAYMENT	46595.52	46595.52	105699	
						=====	=====		
Total Payments:						48730.52	48730.52		
ACH Payments Total:						48730.52	.00		
Check Payments Total:						.00	48730.52		

===== VENDOR =====			===== INVOICE =====						
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO	
BAXTER & WOODMAN, INC.	B000120	03/19/24	0256697	03-20.0502	CGD SYSTEM DESIGN	14250.00			
		03/19/24	0256698	03-21.0501	BIOSOLIDS STUDY	360.00	14610.00	105700	
IL ENV PROTECTION AGENCY	I000260	03/14/24	L173088 3	03-30.0515	LOAN PAYMENT	14403.64	14403.64	105701	
						=====	=====		
Total Payments:						29013.64	29013.64		
ACH Payments Total:						29013.64	.00		
Check Payments Total:						.00	29013.64		

DATE \_\_\_\_\_

REVIEWED \_\_\_\_\_

TRUSTEE APPROVAL \_\_\_\_\_

PRESIDENT

CLERK

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-00.1000	CASH		1849793.34-
01-00.1001	CASH - PAYROLL ACCOUNT	153692.04	
01-00.2000	FEDERAL TAX WITHHELD	24250.00	
01-00.2001	STATE TAX WITHHELD	11116.20	
01-00.2002	SOCIAL SECURITY WITHHELD	18264.60	
01-00.2003	IMRF WITHHELD	21354.57	
01-00.2013	CREDIT UNION WITHHELD	5474.00	
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	22329.24	
01-00.2017	VOLUNTARY GROUP LIFE	240.00	
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	1002.81	
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH	1065.93	
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD	448.42	
01-05.3001	USER RECEIPTS	1254.55	
01-11.B101	NATURAL GAS	188.14	
01-11.B110	BANK CHARGES	33.10	
01-11.B112	COMMUNICATION	1924.32	
01-11.B113	EMERGENCY/SAFETY EQUIPMENT	393.21	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	7774.63	
01-11.B116	SUPPLIES	579.02	
01-11.B117	EMPLOYEE/DUTY COSTS	624.60	
01-11.B118	BUILDING AND GROUNDS	1145.20	
01-11.B119	POSTAGE	2.00	
01-11.B120	PRINTING/PHOTOGRAPHY	40.00	
01-11.B121	USER BILLING MATERIALS	5951.71	
01-11.B124	CONTRACT SERVICES	8347.49	
01-11.C222	GAS/FUEL	117.02	
01-12.B100	ELECTRICITY	1985.92	
01-12.B101	NATURAL GAS	829.06	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	1072.70	
01-12.B112	COMMUNICATION	1882.01	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	217.67	
01-12.B116	SUPPLIES	681.71	
01-12.B117	EMPLOYEE/DUTY COSTS	2821.50	
01-12.B402	CHEMICALS - SLUDGE DEWATERING	6266.88	
01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	411.04	
01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	12709.30	
01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	3964.98	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	16597.43	
01-12.B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	326.20	
01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	21706.47	
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	2824.92	
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	41098.82	
01-12.B805	BLDG AND GROUNDS - INFLUENT PUMPING	35.86	
01-12.B810	BLDG AND GROUNDS - SLUDGE DIGESTION	183.21	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	3143.73	
01-12.C222	GAS/FUEL	1252.82	

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.C225	OPERATION/REPAIR	77.33	
01-13.B112	COMMUNICATION	218.03	
01-13.B114	CHEMICALS	6291.42	
01-13.B115	EQUIPMENT/EQUIPMENT REPAIR	40.62	
01-13.B116	SUPPLIES	2735.23	
01-13.B117	EMPLOYEE/DUTY COSTS	644.38	
01-13.B123	OUTSIDE LAB SERVICES	763.20	
01-13.B124	CONTRACT SERVICES	843.75	
01-13.C222	GAS/FUEL	62.43	
01-14.B112	COMMUNICATION	688.98	
01-14.B116	SUPPLIES	204.72	
01-14.B117	EMPLOYEE/DUTY COSTS	487.31	
01-14.B901	SEWER SYSTEM REPAIRS - I/I PROGRAM	802778.40	
01-14.B902	SEWER SYSTEM REPAIRS - REPLACEMENT	338354.23	
01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	62205.57	
01-14.B929	ARRA LOAN PRINCIPAL REPAYMENT	90795.56	
01-14.C222	GAS/FUEL	2438.50	
01-14.C225	OPERATION/REPAIR	1747.72	
01-15.B100	ELECTRICITY	12330.89	
01-15.B104	FUEL - GENERATORS	3056.93	
01-15.B112	COMMUNICATION	306.38	
01-15.B520	EQPT/EQPT REPAIR - BUTTERFIELD	1372.00	
01-15.B523	EQPT/EQPT REPAIR - EARLSTON	1184.00	
01-15.B524	EQPT/EQPT REPAIR - HOBSON	5075.00	
01-15.B525	EQPT/EQPT REPAIR - LIBERTY PARK	1324.00	
01-15.B526	EQPT/EQPT REPAIR - NORTHWEST	2290.00	
01-15.B527	EQPT/EQPT REPAIR - VENARD	3376.99	
01-15.B528	EQPT/EQPT REPAIR - WROBLE	3229.00	
01-17.E455	EMPLOYEE GROUP HEALTH	52182.15	
01-17.E460	IMRF	26799.05	
01-17.E461	SOCIAL SECURITY	18264.54	
02-00.1000	CASH		48730.52-
02-30.0515	PAYMENT ON LOAN PRINCIPAL	46595.52	
02-48.0502	DESIGN ENGINEERING/ARCHITECTURAL	2135.00	
03-00.1000	CASH		29013.64-
03-20.0502	DESIGN ENGINEERING/ARCHITECTURAL	14250.00	
03-21.0501	REPORT ENGINEERING/ARCHITECTURAL	360.00	
03-30.0515	PAYMENT ON LOAN PRINCIPAL	14403.64	
		=====	
		1927537.50	1927537.50-

Date: 04.10.24  
Due Date: 04.16.24  
Invoice #: Reimburse

Petty Cash Checking Reimbursement

D-440

Date	Purchased From	Description	Code	Amount	Ck No.
03.12.24	Baxter & Woodman	Pretreatment Seminar	13B117	60.00	3908
03.15.24	Holy Cow Sports	Embroidery	11B120	40.00	3909
03.15.24	Guido&Katherine Narra	Rodding Fee	14B910	430.20	3910
03.15.24	Courtney&Cynthia Tanner	Rodding Fee	14B910	430.20	3911

Total Receipts/Reimbursement 960.40

Expense by code

13B117	60.00
11B120	40.00
14B910	860.40
<b>TOTAL</b>	<b>960.40</b>

Date: 04.10.24

Petty Cash Reimbursement

P - 350

Due Date: 04.16.24

Invoice #: Cash Box

Date	Purchased From	Reimbursed To	Description	Code	Amount
01.19.24	DMV	A. Gutierrez	CDL	12B117	50
03.21.24	Pierce Tavern	Kelly	Sups Lunch	11B117	153.31
03.15.24	USPS	Kelly	Postage	11B119	2.00
				<b>Total Receipts</b>	205.31

Expense by code

11B117 153.31  
11B119 2.00  
12B117 50.00

TOTAL: 205.31



DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Carly Shaw  
Administrative Supervisor

DATE: April 16, 2024

RE: Election and Appointments

In accordance with the attached excerpt of the Sanitary District Act of 1917, Staff recommends that the Board conduct the following election at its April 16 meeting as a result of the recent Trustee appointment by the DuPage County Board:

Nominate and elect President

Nominate and elect Vice President

Nominate and elect Clerk

As a reference, I have also attached the pertinent excerpt of the minutes from the May 16, 2023 meeting.

cc: KJR, RTJ, MJS, ARU, DM

Excerpt of the Sanitary District Act of 1917 related to Elections and Appointments of Trustees

(70 ILCS 2405/4) (from Ch. 42, par. 303)

Sec. 4. The trustees shall constitute a board of trustees for the district. The board of trustees is the corporate authority of such sanitary district, and shall exercise all the powers and manage and control all the affairs and property of the district. The board of trustees immediately after their appointment and at their first meeting in May of each year thereafter, shall elect one of their number as president, one of their number as vice-president, and from or outside of their membership a clerk and an assistant clerk. In case of the death, resignation, absence from the State, or other disability of the president, the powers, duties and emoluments of the office of the president shall devolve upon the vice-president, until such disability is removed or until a successor to the president is appointed and chosen in the manner provided in this Act. The board may select a treasurer, engineer and attorney for the district, and a board of local improvements consisting of 5 members in any sanitary district which includes one or more municipalities with a population of over 90,000 but less than 500,000 according to the most recent Federal census and consisting of 3 members in any other district, all of whom may be trustees or other citizens of the sanitary district. The board may appoint such other officers and hire such employees to manage and control the operations of the district as it deems necessary; provided, however, that the board shall not employ an individual as a wastewater operator whose Certificate of Technical Competency is suspended or revoked under rules adopted by the Pollution Control Board under item (4) of subsection (a) of Section 13 of the Environmental Protection Act. The board may appoint a chief administrative officer for a term not to exceed 4 years subject to removal by the board for cause. Appointment of the chief administrative officer may be renewed as often as the board deems necessary. All other persons selected by the board shall hold their respective offices during the pleasure of the board, and all persons selected by the board shall give such bond as may be required by the board. The board may prescribe the duties and fix the compensation of all the officers and employees of the sanitary district. However, no member of the board of trustees shall receive more than \$6,000 per year.

The board of trustees has full power to pass all necessary ordinances, rules and regulations for the proper management and conduct of the business of the board and the corporation, and for carrying into effect the objects for which the sanitary district was formed. Such ordinances may provide for a fine for each offense of not less than \$100 or more than \$1,000. Each day's continuance of such violation shall be a separate offense. Fines pursuant to this Section are recoverable by the sanitary district in a civil action. The sanitary district is authorized to apply to the circuit court for injunctive relief or mandamus when, in the opinion of the chief administrative officer, such relief is necessary to protect the sewerage system of the sanitary district.

(Source: P.A. 89-143, eff. 7-14-95; 89-502, eff. 6-28-96; 90-14, eff. 7-1-97.)

## MINUTES

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, May 16, 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, and Attorney Dan McCormick.

### Minutes of Regular Meeting – April 18, 2023

A motion was made by Trustee Sejnost seconded by Trustee Wang approving the minutes of the regular meeting held on April 18, 2023 and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost, and Wang.)

### Claim Ordinance No. 1925

A motion was made by Trustee Wang seconded by Trustee Sejnost adopting Claim Ordinance No. 1925 in the total amount of \$1,190,792.14 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

### Elections and Appointments

The following elections and appointments were made: A motion was made by Trustee Wang seconded by Trustee Sejnost nominating Wallace D. Van Buren as President, closing the nominations for President and electing by unanimous consent Wallace D. Van Buren as President. The motion carried. (Votes recorded: Ayes–Sejnost and Wang.) A motion was made by Trustee Van Buren seconded by Trustee Wang nominating Amy E. Sejnost as Vice President, closing the nominations for Vice President and electing by unanimous consent Amy E. Sejnost as Vice President. The motion carried. (Votes recorded: Ayes–Van Buren and Wang.) A motion was made by Trustee Sejnost seconded by Trustee Van Buren nominating Jeremy M. Wang as Clerk, closing the nominations for Clerk and electing by unanimous consent Jeremy M. Wang as Clerk. The motion carried. (Votes recorded: Ayes–Van Buren and Sejnost.) A motion was made by Trustee Sejnost seconded by Trustee Wang appointing Carly Shaw as Assistant Clerk. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.) A motion was made by Trustee Van Buren seconded by Trustee Sejnost appointing Amy R. Underwood as General Manager. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.) A motion was made by Trustee Sejnost seconded by Trustee Van Buren appointing Carly Shaw as Treasurer. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.) A motion was made by Trustee Van Buren seconded by Trustee Sejnost appointing Baxter and Woodman, Inc. as engineers for the District sewer system and Wastewater Treatment Center. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.) A motion was made by Trustee Wang seconded by Trustee Van Buren appointing Daniel McCormick, P.C. as attorneys for the District. The motion carried. (Votes

recorded: Ayes–Van Buren, Sejnost and Wang.) A motion was made by Trustee Van Buren seconded by Trustee Sejnost appointing Kenneth J. Rathje, Robert T. Jungwirth and Mark J. Scacco as members of the Board of Local Improvements. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

#### Decennial Committee Formation and Appointments

A motion was made by Trustee Sejnost and seconded by Trustee Wang to form a Decennial Committee on Local Government Efficiency and that Wallace D. Van Buren, Amy E. Sejnost, Jeremy M. Wang, Amy R. Underwood, Carly Shaw, Kenneth J. Rathje, Robert T. Jungwirth, Mark Scacco, and Lawrence C. Cox be appointed to serve as members of the committee until such time as the committee is dissolved. The motion carried. (Votes recorded: Ayes-Van Buren, Sejnost, Wang.)

#### Annexation Ordinance AO 2023-01 – 2424 Ogden Avenue, Downers Grove

Staff presented Annexation Ordinance No. AO 2023-01 for the annexation of two parcels located at 2424 Ogden Ave in Downers Grove. A motion was made by Trustee Sejnost seconded by Trustee Wang accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2023-01 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

#### Annexation Ordinance AO 2023-02 – 1634 63<sup>rd</sup> St, Downers Grove

Staff presented Annexation Ordinance No. AO 2023-02 for the annexation of one single family lot located at 1634 63<sup>rd</sup> St. in Downers Grove. A motion was made by Trustee Sejnost seconded by Trustee Wang accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2023-02 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

#### Intergovernmental Agreement with Village of Westmont – Alley H Sewer Improvements

A motion was made by Trustee Wang seconded by Trustee Sejnost to approve the Intergovernmental Agreement with the Village of Westmont for alley improvements as presented and authorizing the General Manager and Assistant Clerk sign the same. The motion carried. (Votes recorded: Ayes-Van Buren, Sejnost, and Wang.)

#### Renewal of BSSRAP Contract

General Manager Underwood presented a memo regarding a proposed Amendment No. 1 to the Sanitary Service Repairs Agreement with Uno Construction Company, Inc. This contract was awarded in 2022 and allows for an annual extension of the contract for up to a total of five years upon the mutual written consent of the District and the contractor. The contract also provides for annual adjustments to the unit prices based upon the greater of 3.00% or 100.00% of the annual change in the CPI-U from the preceding calendar year. The contractor has requested the annual extension. The annual change in the CPI-U for this year is 7.55%. This year's annual increase in the contractor's unit prices will be 7.55% bringing the contract price for this work to \$1,537,742.05 for the period from July 1, 2023 through June 30, 2024. A motion by Trustee Wang seconded by

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



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**General Manager**  
Amy R. Underwood, P.E.

**Legal Counsel**  
Daniel McCormick, P.C.

*Providing a Better Environment for South Central DuPage County*

## MEMORANDUM

To: Board of Trustees

From: Amy R. Underwood, General Manager

Date: April 12, 2024

Subject: Appointment to the Decennial Committee

At the April 16 Board of Trustees meeting, I will recommend that the Board appoint Trustee Mark Eddington to the Decennial Committee to fill the position formerly held by Trustee Wallace D. Van Buren.

C: BOLI, DM, CS

DOWNERS GROVE SANITARY DISTRICT  
MEMO

TO: Board of Trustees

FROM: Carly Shaw  
Administrative Supervisor

DATE: April 16, 2024

RE: Bank Account Signature Requirements

The purpose of this Memo is to review the current arrangement of District bank accounts and authorized signers and present the documents necessary to change the authorized signers because of the appointment of Mark Eddington on March 26, 2024.

Bank Accounts

The attached Account Summary provides a listing of all bank accounts, restrictions for issuance of checks, and check signature requirements. This arrangement was established to provide a high level of control, requiring three of four signatures of Trustees and the General Manager, on the accounts which have the largest balances at any time – the Deposit Account and the Disbursement Account. The Payroll, Petty Cash and User Refund Checking Accounts are imprest accounts and require only one signature of a staff person. The changes necessary to reflect the new trustee affect the Deposit Account and the Disbursement Account only.

Documents and Actions Required

To implement the changes necessary to add Mark as an authorized signer on the Deposit Account and the Disbursement Account, the following document and action is required:

- 1) Business Signature Card – There is one Business Signature Card for both the Deposit and Disbursement accounts. Staff will have the signature card at the May meeting for the Board Members and General Manager to sign.

I am recommending that the Board make the following motion: *"I move to remove Wallace Van Buren from and add Mark Eddington to the District Deposit Account and Disbursement Account as an authorized signer and authorize all signatures to be updated on the Business Signature Card."*

Attachments

cc: KJR, RTJ, MJS, ARU, DM

DOWNERS GROVE SANITARY DISTRICT  
ACCOUNT SUMMARY

April 16, 2024

FUND	ISSUANCE PROCEDURES	CHECK SIGNATURE REQUIREMENTS
General Corporate, Improvement, Construction, Public Benefit and Sewer Extensions Escrow  Deposit Acct. No. (JP Morgan Chase & Co.) Disbursement Acct. No. (JP Morgan Chase & Co.)	Funds transferred from deposit account to disbursement account to cover checks issued	Checks for withdrawal from deposit account require three of four: Trustees, General Manager.  Checks from disbursement account under \$15,000 -- Require one of four: Trustees, General Manager.  Checks from disbursement account for \$15,000 or greater -- Require three of four: Trustees, General Manager.
Payroll Checking Acct. No. (JP Morgan Chase & Co.)	Imprest account reimbursed by General Corporate check in accordance with procedures for same. (Checking account maintains \$300,000 balance.)	All checks require one of two: General Manager, Treasurer.
Petty Cash Checking Acct. No. (JP Morgan Chase)	Same as payroll account. (Checking account maintains \$5,000 balance.)	All checks require one of two: General Manager, Treasurer.
User Refund Checking Acct. No. (JP Morgan Chase)	Same as payroll account. (Checking account maintains \$1,400 balance.)	All checks require one of two: General Manager, Treasurer.
Flexible Benefits Checking Acct. No. (JP Morgan Chase)	Account is funded annually at the start of plan year. (Account is charged through periodic ACH transactions by MidAmerica.)	All checks require one of two: General Manager, Treasurer.

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Amy R. Underwood  
General Manager

FROM: Carly Shaw  
Administrative Supervisor

DATE: April 16, 2024

RE: Employee Group Insurance Renewals

The purpose of this Memo is to review the District's employee group insurance benefits plan and provide a recommendation for the June 1, 2024 renewal. Similar to the last two years, the District's medical insurance carrier, BlueCross BlueShield of Illinois (BCBSIL) calculated and offered to the District a composite rate for each tier of coverage for each plan (a set rate for each of the following tiers: Employee Only, Employee Plus Spouse, Employee Plus Child(ren) or Family coverage).

To assist in analyzing the renewal and to provide a historical perspective, I have prepared the attached History of Premiums and Benefits, along with a recommended benefit offering to employees for coverage for the next year (Options 1, 2, and 3 as a package). The current employee census is applied to all plans on the sheet (including historical plans). The actual historical amounts paid varied with changes in our employee demographics. We again utilized the services of a consultant, Allera Group, for this renewal, who has consulted on previous annual renewals since 2003. Catherine Loney of Allera Group will be attending the April 16 board meeting to address any questions that may come up.

History

The District has maintained medical coverage with BCBSIL and starting in 2021 offered three different plans for employees to choose from (an HMO plan, a broad network hybrid PPO plan, and a richer, narrower network PPO plan). All plans require employee premium contributions which will be adjusted in the years we experience increases. The District last shopped the medical coverage in 2018 receiving premiums that were significantly higher than what BCBSIL provided. The District has had dental coverage through Principal and vision coverage with EyeMed for several years. A four-year rate lock from EyeMed expires this year.

As you will see from the History of Premiums and Benefits sheet, we had some years where the overall increase from the previous plan year was slightly higher than others. The increase appears to be trending down since 2021 where the increase was 8.14% over 2020. In 2022 it was 7.21% increase over 2021, and in 2023 it was 3.71% over 2022.



The District also continues to offer a Health Reimbursement Account to employees or their spouses who are eligible to receive our health benefits but choose to have coverage through other means. The District contributes \$100 per employee and \$100 per spouse monthly to an account for them to use towards eligible health related expenses. This has been maintained with MidAmerica who also manages our Flexible Spending Accounts and Dependent Care Accounts. Historically we have seen 5-7 employees and spouses participate in this program. In 2023 we had 7 participants.

### Dental and Vision Coverage

EyeMed is extending the rate lock another 4 years with no increase to our vision insurance premiums. The benefits also remain the same. In 2023 we did make a change to our dental by adding composite fillings and an option for porcelain for molars. Although there is a rate increase of 6.49% for 2024 it is not a significant dollar increase to the plan and paired with no increase to vision and minimal increase to health insurance, I decided we did not need to shop other carriers at this time.

### 2024 Renewal Options

The three plan options that have been quoted for 2024-2025 fiscal year are under the amount budgeted for group health insurance. Our broker has informed us that we can offer all three medical options to our group with no minimum participation required for any one plan. With this year's renewal, the increase in premiums offered to the District from BCBSIL for the two PPO plans are minimal and the HMO plan saw a slight decrease in premiums.

1) Option 1 in the History table – Renewal of existing coverage with continuing to offer the same HMO-styled plan through BCBSIL with a deductible of \$0, low co-pays and out-of-pocket maximums.

2) Option 2 in the History table - Renewal of existing coverage continuing to offer the hybrid PPO-styled plan through BCBSIL. This PPO plan does offer its participants the flexibility to utilize two different PPO networks – a thinner network with better co-pays, deductibles and out-of-pocket maximums and the full PPO network with higher co-pays, deductibles, and out-of-pocket maximums. This enables the employee to have some say in their costs in using this coverage while still providing the flexibility of the full BCBSIL PPO network.

3) Option 3 in the History table – Renewal of existing coverage with continuing to offer the same PPO-styled plan through BCBSIL which when compared to the hybrid style PPO plan offers lower individual and family deductibles, lower co-pays throughout, significantly lower annual out-of-pocket maximums and 90/10 coinsurance. This plan utilizes the Blue Choice network and does not have the flexibility the hybrid PPO plan offers.

### Life Insurance Coverage

The District's life insurance with Kansas City Life is in year two of the rate lock so there are no changes to that premium.

Employee Premium Contributions

Below is a table highlighting the recommended employee premium contribution requirements based on their plan selection. For this plan year it has been decided to apply an equal percentage to the premiums for both the District and Employee contributions to each tier of coverage. This means that an employee can choose whichever tier (Employee Only, Employee plus Spouse, Employee plus Children, Family) under any plan offered and pay the same percentage of the premiums as they would under the others. Employees will be able to utilize the District's existing Flexible Savings Account to have their premium contributions deducted from their paychecks on a pre-tax basis. Please note that starting on April 1, 2024 supervisors are converting to a bi-weekly pay schedule so there will no longer be two different per paycheck deduction amounts based on pay schedules.

<b>OPTION 1 (Rich HMO)</b>	Annual Employee Contribution	Per Paycheck
Employee Only	\$426.82	\$16.42
Employee Plus Spouse	\$1,707.29	\$65.67
Employee Plus Children	\$1,579.24	\$60.74
Family	\$2,432.88	\$93.57
<b>OPTION 2 ( Hybrid PPO)</b>	Annual Emp. Contribution	Per Paycheck
Employee Only	\$481.18	\$18.51
Employee Plus Spouse	\$1,924.73	\$74.03
Employee Plus Children	\$1,780.37	\$68.48
Family	\$2,742.74	\$105.49
<b>OPTION 3 ( Rich, but Narrow PPO)</b>	Annual Employee Contribution	Per Paycheck
Employee Only	\$522.76	\$20.11
Employee Plus Spouse	\$2,091.02	\$80.42
Employee Plus Children	\$1,934.20	\$74.39
Family	\$2,979.71	\$114.60

Recommendations for Renewal

For the June 1, 2024 renewal, I am recommending that the District’s Board of Trustees make the following motion at their regular meeting held on April 16, **“I move that the Downers Grove Sanitary District offers its full-time employees the three options listed in Administrative Supervisor Shaw’s memo dated April 16, 2024 for medical insurance coverage with BlueCross BlueShield of Illinois, resume dental coverage with Principal, resume vision coverage with EyeMed Vision Care and life insurance coverage with Kansas City Life / NIS with an overall anticipated percent change of -0.83% in health insurance (medical, dental and vision) and life insurance premiums from the prior year.”**

This year's calculation takes into consideration both the cost of the District providing the HRA benefit to its employees as well as anticipated employee premium contributions. Staff recommends we continue to offer the Health Reimbursement Account to employees as a cost savings measure.

In offering the same plans as in the current year with the proposed change in employee premiums, I have calculated the District would see a decrease in costs of approximately -0.83%. This is based upon the assumption that all employees will remain on the exact same plans as we have noted that movement between plans typically doesn't occur when there are no additional viable alternatives to existing plans. This also considers the retirements in 2023-2024 and an estimated amount for our new Maintenance Mechanic.

As indicated in the attached History of Premiums and Benefits, by making plan design changes or changes in employee premium contributions over the last six years, the annual average percentage premium increase for the District to offer the employees' group insurance benefit is 4.13%.

If you concur with this recommendation, this item should be placed on the agenda for the April 16 regular Board meeting.

Attachment

cc: AES, JMW, ME, KJR, RTJ, MJS, DM

**DOWNERS GROVE SANITARY DISTRICT  
HISTORY OF PREMIUMS AND BENEFITS  
USING CURRENT EMPLOYEE CENSUS**

April 18, 2023

**PREMIUMS**

ALL	PLAN UTILIZATION				
	W/AVE	RICH	HYBRD	HMO	-
MEDECAL	1	2	3	8	0
MED-CLASS 1-EMPLOYEE ONLY	1	0	0	4	0
MED-CLASS 2-EE&SPOUSE	0	3	0	3	0
MED-CLASS 3-EE&CHILD(REN)	0	2	2	7	0
MED-CLASS 4-FAMILY	36	2	7	5	22
LIFE INSURANCE					
ADMIN FEE PER MONTH					
MONTHLY PREMIUM					
ANNUAL PREMIUMS					
FSA					
HRA					
EMPLOYEE/RETIREE CONTRIBUTIONS					
NET ANNUAL PREMIUM FOR PLANS WITH CONTRIBUTIONS					
PERCENT CHANGE - MEDICAL AND LIFE INS. ONLY BEFORE CONTRIBUTIONS					
PROPOSED BILLED MEDICAL AND LIFE INS. PREMIUMS (PRORATED ANNUALLY)					
PROPOSED MEDICAL AND LIFE INS. PREMIUMS AFTER CONTRIBUTIONS (PRORATED ANNUALLY)					
PERCENT CHANGE - PROPOSED MEDICAL AND LIFE INS. PREMIUMS AFTER CONTRIBUTIONS					

**DENTAL**

ALL	W/AVE	RICH	HYBRD	HMO	-
DENTAL-CLASS 1-EMPLOYEE ONLY	12				
DENTAL-CLASS 2-EE&SPOUSE	5				
DENTAL-CLASS 3-EE&CHILD(REN)	5				
DENTAL-CLASS 4-FAMILY	13				
MONTHLY PREMIUM	35				
ANNUAL PREMIUMS					
PERCENT CHANGE-DENTAL ONLY					

**VISION**

ALL	W/AVE	RICH	HYBRD	HMO	-
VISION-CLASS 1-EMPLOYEE ONLY	9				
VISION-CLASS 2-EE&SPOUSE	6				
VISION-CLASS 3-EE&CHILD(REN)	4				
VISION-CLASS 4-FAMILY	13				
MONTHLY PREMIUM	32				
ANNUAL PREMIUMS					
PERCENT CHANGE - VISION ONLY					

ALL	W/AVE	RICH	HYBRD	HMO	-
PERCENT CHANGE - ALL COVERAGES					
TOTAL MONTHLY PREMIUM					
TOTAL ANNUAL PREMIUMS					
PERCENT CHANGE - ALL COVERAGES					
VITALITY REDUCTIONS					
RESULTING PERCENT CHANGE AFTER VITALITY REDUCTIONS					
ANNUAL AVERAGE PERCENT CHANGE OVER SIX YEARS					

**MEDICAL BENEFITS**

MEDICAL PLAN NAME	COINSURANCE PERCENTAGE	DISCOUNTED PHARMACY CO-PAYS	2ND TIER PHARMACY CO-PAYS	LT MAX-IN NETWORK	LT MAX-OUT OF NETWORK	LIFE INSURANCE (BY ASSORTED CARRIERS)
Blue Cross Blue Shield of Illinois PSE BCE Blue Choice Preferred	\$500	\$150 then Ded/Coins	\$100 then Ded/Coins	\$300 then Ded/Coins	\$250 then Ded/Coins	\$50,000
Blue Cross Blue Shield of Illinois G506OPT Blue Options	\$1,500	\$150 then Ded/Coins	\$100 then Ded/Coins	\$300 then Ded/Coins	\$250 then Ded/Coins	\$50,000
Blue Cross Blue Shield of Illinois P506PSN HMO Blue Precision	\$0	\$150 then Ded/Coins	\$100 then Ded/Coins	\$300 then Ded/Coins	\$250 then Ded/Coins	\$50,000

**Proposed Rates  
(6/1/24 - 5/31/25)**

EMPLOYEE OPTION 3 BLUE CROSS BLUE SHIELD OF ILLINOIS RICH PPO PLAN (NARROW NETWORK)	EMPLOYEE OPTION 2 BLUE CROSS BLUE SHIELD OF ILLINOIS Hybrid PPO PLAN		EMPLOYEE OPTION 1 BLUE CROSS BLUE SHIELD OF ILLINOIS RICH HMO PLAN	
	Monthly Premium	Cost based on utilization	Monthly Premium	Cost based on utilization
\$871.26	\$1,742.52	\$801.97	\$2,405.91	
\$1,742.52	\$0.00	\$1,693.94	\$0.00	
\$1,611.83	\$4,935.49	\$1,483.64	\$0.00	
\$2,483.09	\$4,966.18	\$2,285.61	\$4,571.22	
\$11,544.19		\$6,977.13		
\$12.50	\$89.50	\$62.50	\$275.00	
\$0.00	\$0.00	\$0.00	\$0.00	
\$11,633.69	\$139,604.28	\$7,039.63	\$20,786.81	
\$139,604.28		\$84,475.56	\$357,561.72	
\$7,200.00				
	(\$12,807.54)	(\$25,213.94)	(\$55,486.81)	
	\$126,796.74	\$59,261.62	\$302,074.91	
0.63%	\$588,841.56	\$617,219.08	\$527,931.08	
10.03%				

PRINCIPAL 1 YEAR (06/01/24 - 5/31/25)		PRINCIPAL 1 YEAR (06/01/24 - 5/31/24)	
\$36.43	\$437.16	\$34.21	\$410.52
\$73.97	\$389.85	\$69.46	\$347.30
\$0.86	\$454.30	\$5.32	\$426.60
\$13.92	\$1,753.96	\$126.69	\$1,848.97
\$33,015.27		\$2,851.59	
\$36,163.24		\$3,976.68	
6.49%		9.76%	

EMPLOYEE OPTION 3 BLUE CROSS BLUE SHIELD OF ILLINOIS RICH PPO PLAN (NARROW NETWORK)	EMPLOYEE OPTION 2 BLUE CROSS BLUE SHIELD OF ILLINOIS Hybrid PPO PLAN	EMPLOYEE OPTION 1 BLUE CROSS BLUE SHIELD OF ILLINOIS RICH HMO PLAN
\$838.91	\$1,677.82	\$711.37
\$1,677.82	\$0.00	\$1,422.74
\$1,551.98	\$4,666.94	\$1,316.03
\$2,339.89	\$4,781.78	\$2,027.40
\$11,115.54		\$29,521.81
\$12.50	\$87.50	\$275.00
\$0.00	\$0.00	\$0.00
\$11,203.04	\$134,436.48	\$20,786.81
\$134,436.48		\$357,561.72
\$7,200.00		
	(\$16,574.33)	(\$55,486.81)
	\$117,862.15	\$302,074.91
3.60%	\$585,126.12	\$617,219.08
7.11%	\$625,852.94	\$534,910.94

**Current Rates  
(6/1/23 - 5/31/24)**

EMPLOYEE OPTION 3 BLUE CROSS BLUE SHIELD OF ILLINOIS RICH PPO PLAN (NARROW NETWORK)	EMPLOYEE OPTION 2 BLUE CROSS BLUE SHIELD OF ILLINOIS Hybrid PPO PLAN		EMPLOYEE OPTION 1 BLUE CROSS BLUE SHIELD OF ILLINOIS RICH HMO PLAN	
	Monthly Premium	Cost based on utilization	Monthly Premium	Cost based on utilization
\$838.91	\$1,677.82	\$769.32	\$2,307.96	
\$1,677.82	\$0.00	\$1,538.64	\$0.00	
\$1,551.98	\$4,666.94	\$1,423.24	\$0.00	
\$2,339.89	\$4,781.78	\$2,192.56	\$4,385.12	
\$11,115.54		\$6,693.08		
\$12.50	\$87.50	\$62.50	\$275.00	
\$0.00	\$0.00	\$0.00	\$0.00	
\$11,203.04	\$6,755.58	\$7,558.58	\$20,201.89	
\$134,436.48	\$81,066.96	\$134,436.48	\$362,422.68	
\$7,200.00				
	(\$16,574.33)	(\$24,380.28)	(\$57,206.49)	
	\$117,862.15	\$56,708.68	\$305,216.19	
3.60%	\$585,126.12	\$625,852.94	\$534,910.94	
7.11%				

PRINCIPAL 1 YEAR (06/01/23 - 5/31/24)		PRINCIPAL 1 YEAR (06/01/23 - 5/31/24)	
\$34.21	\$410.52	\$34.21	\$410.52
\$69.46	\$347.30	\$69.46	\$347.30
\$5.32	\$426.60	\$5.32	\$426.60
\$126.69	\$1,848.97	\$126.69	\$1,848.97
\$2,851.59		\$2,851.59	
\$3,976.68		\$3,976.68	
9.76%		9.76%	

EMPLOYEE OPTION 3 BLUE CROSS BLUE SHIELD OF ILLINOIS RICH PPO PLAN (NARROW NETWORK)	EMPLOYEE OPTION 2 BLUE CROSS BLUE SHIELD OF ILLINOIS Hybrid PPO PLAN	EMPLOYEE OPTION 1 BLUE CROSS BLUE SHIELD OF ILLINOIS RICH HMO PLAN
\$838.91	\$1,677.82	\$711.37
\$1,677.82	\$0.00	\$1,422.74
\$1,551.98	\$4,666.94	\$1,316.03
\$2,339.89	\$4,781.78	\$2,027.40
\$11,115.54		\$29,521.81
\$12.50	\$87.50	\$275.00
\$0.00	\$0.00	\$0.00
\$11,203.04	\$6,755.58	\$7,558.58
\$134,436.48	\$81,066.96	\$134,436.48
\$7,200.00		
	(\$16,574.33)	(\$55,486.81)
	\$117,862.15	\$302,074.91
3.60%	\$585,126.12	\$617,219.08
7.11%	\$625,852.94	\$534,910.94

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Carly Shaw, Administrative Supervisor  
Alyssa Caballero, Information Coordinator

DATE: April 16, 2024

RE: DGSD Annual Newsletter

Copies of the following items are attached for the Board's review at the April 16 meeting:

- 1) DGSD Annual newsletter
- 2) WWTC Open House Invitation insert
- 3) Biosolids Distribution Program brochure
- 4) EasyPay Enrollment Form insert
- 5) City Insight registration/announcement insert

The newsletter this year has updated information and is in a full-color format. We have included the EasyPay Enrollment Form again this year to promote customer participation as the program reduces customer call volume and office foot traffic regarding typical billing inquiries. We continue to experience an appreciable increase in enrollments when the EasyPay Enrollment Form is included with the Newsletter. This year we are also including an insert to promote registration for the new customer billing portal.

We plan to mail or email the newsletter with each user's regular bill during the months of May, June, and July.

Attachments

cc: BOLI, ARU, DM

*“Providing a Better Environment for South Central DuPage County”*

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Downers Grove, IL 60515  
Phone: 630-969-0664  
[www.dgsd.org](http://www.dgsd.org)

**Office Hours -**

Monday-Friday: 8 a.m. to 4:30 p.m.

**Emergency Response**

Available 24/7

**Board of Trustees**

Amy E. Sejnost

*President*

Jeremy M. Wang

*Vice President*

Mark Eddington, P.E.

*Clerk*

**Staff**

Amy R. Underwood, P.E.

*General Manager*

Follow us on social media



The District works with local schools throughout the year including elementary schools and high schools, as well as local environmental groups to educate them about wastewater treatment, the role of the sanitary district in the community and the value of water.

This spring we hosted tours of the wastewater treatment center for students from Downers Grove North and South High Schools, Harold Richards High School, and Henry Puffer Elementary School. We also partnered with SCARCE to host a tour for teachers in DuPage County.

If you are interested in touring the wastewater treatment center, call the office or visit [www.dgsd.org/contact-us](http://www.dgsd.org/contact-us). Residents are also encouraged to visit the plant during our annual open house on Saturday, Oct. 5 from 9 a.m. to noon. See attached flyer for more information.

**CARING FOR OUR INFRASTRUCTURE**

The District’s most valuable asset is the sewer collection system, including more than 250 miles of gravity sewers. Beyond these sewers, there are nearly 300 miles of privately owned building service pipes connecting buildings to the public mains owned by the District. The District owns nine (9) lift stations which are spread throughout the collection system to pump sewage up to another gravity sewer where the sewers are too deep to transport the sewage by gravity to the District’s wastewater treatment center (WWTC). The District owns approximately 44,000 feet of forcemains, which are the discharge pipes from the lift stations that carry flow to the gravity sewers.

The system dates back as far as 1904 and requires a substantial commitment of resources to maintain the pipes and structures in satisfactory working condition, meeting residents’ expectations for service and regulatory requirements. The most significant challenge is the appearance of ground and storm water, known as infiltration and inflow (I/I), in sewers intended to carry only sanitary waste from plumbing fixtures. This extraneous water can cause backups and overflows by exceeding the capacity to carry sanitary waste and is costly to transport and treat.

**Sewer Rehabilitation**

As described in our 2023 Annual Newsletter, the District recently employed state-of-the-art trenchless sewer rehabilitation for the Curtiss Street trunk sewer in Downers Grove (pictured on the following page). The rehabilitation technique is called ‘Cured in Place Pipe’ or CIPP. An epoxy-laden felt liner is inserted into the existing pipe, and heat-cured in place, using the existing pipe as the exterior form for the new pipe. A new seamless sewer pipe can be installed without the disruption of digging a large trench to remove and replace the old sewer. The District will be employing the same technology this year for the Powell Street sewer rehabilitation and outfall pipe rehabilitation projects described on the following page.

## 2024 CONSTRUCTION PROJECTS

### Powell Street Sewer Rehabilitation



Approximately 1,400 lineal feet of 27” reinforced concrete sanitary sewer in Downers Grove will be rehabilitated this year using cured-in-place sanitary sewer liner. The work will also include trimming service laterals, reinstatement of existing services, and replacement of a manhole. Although the manhole replacement at the corner of 67th and Powell St will require excavation, the installation of the public

main liner will not. This work will take place on Powell Street between 67th Street to the north and O’Brien Park to the south. See map above.

### Outfall Pipe Rehabilitation

The District will be rehabilitating approximately 2,000 lineal feet of the effluent discharge pipe (or outfall pipe) that carries the treated water from the District’s Wastewater Treatment Center (WWTC) to the East Branch of the DuPage

River. The section to be lined runs through a heavily wooded area along the bank of the St. Joseph Creek. The pipe was originally installed in the mid-1950s when the WWTC was built. A section of the pipe that had sagged was replaced in 2023 in preparation for lining. While the rest of the pipe is in good condition, the joints in the section to be lined are deteriorating due to root intrusion. The CIPP will prevent root intrusion and is expected to extend the useful life of the pipe for another 100 years.

### Venard Force Main Replacement

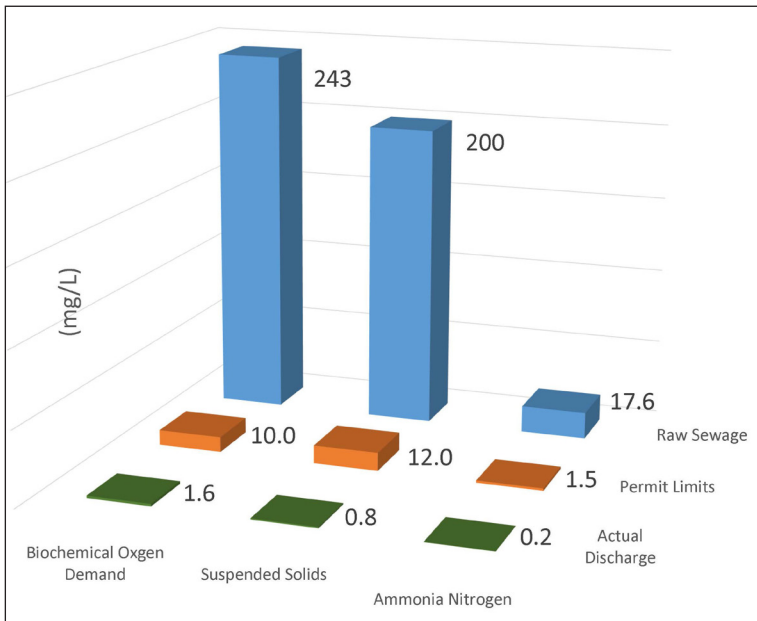
Approximately 2,300 feet of 10” force main from the District’s Venard Lift Station, which is located on Venard Rd. in Downers Grove, will be replaced.



‘Cured in Place Pipe’ technique being used for the Curtiss Street trunk sewer rehabilitation project. Photo courtesy of Visu-Sewer, LLC.

## WASTEWATER TREATMENT

The District’s Wastewater Treatment Center (WWTC) operates under a National Pollutant Discharge Elimination System (NPDES) permit issued by the Illinois Environmental Protection Agency (IEPA). The District’s WWTC discharges treated water to the East Branch of the DuPage River that is significantly better than the permit limits. The chart below indicates the successful treatment provided by the District during 2023 for three major NPDES permit parameters.



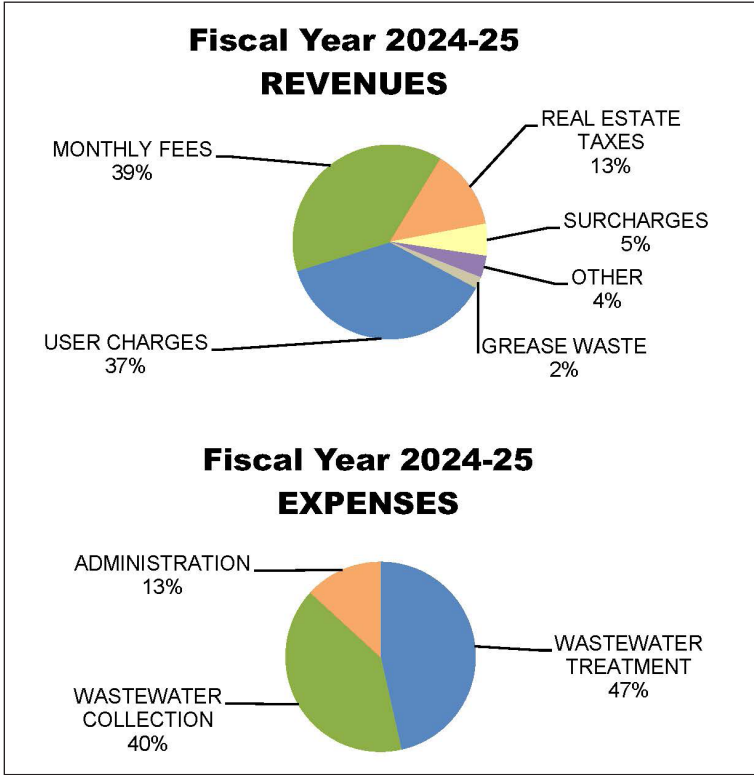
### Illinois Wastewater Surveillance System

The Downers Grove Sanitary District has participated in the Illinois Wastewater Surveillance System (IWSS) since June of 2022. IWSS is a monitoring network that tracks COVID-19, influenza and respiratory syncytial virus (RSV) by measuring the amount of viral RNA in wastewater throughout Illinois. Twice weekly, District staff collect samples of the raw wastewater entering our Wastewater Treatment Center and sends them to the University of Illinois-Chicago for analysis. The data is reported on the IWSS website at [iwss.uillinois.edu/wastewater-treatment-plant/275](https://iwss.uillinois.edu/wastewater-treatment-plant/275).

The initiative is a collaboration between the Illinois Department of Public Health (IDPH) and the University of Illinois System’s Discovery Partners Institute (DPI). The program aims to deliver actionable information to public health decision makers. For more information on IWSS, visit [iwss.uillinois.edu](https://iwss.uillinois.edu).

## BUDGET AND FIVE-YEAR PLAN

The District has implemented a five-year plan, which projects revenues and expenses for all District activities, available for review on our website. For the current fiscal year, general corporate revenues are projected to be \$11.08 million and expenses are projected to be \$13.72 million. The expenses include \$5,539,100 for the sewer system, \$6,379,481 for wastewater treatment and \$1,805,820 for administration. The amount of expenses greater than revenues will result in a planned decrease in the District's operating fund balance. The charts below show the major types of revenues and expenses necessary for operations.



### CHANGE IN SEWER BILL RATES 2024

The District's user charge consists of two components: a volume charge based on water consumption and a monthly service fee. The volume charge increased to \$2.75 from \$2.25 per 1,000 gallons of water consumption and the monthly service fee remains the same at \$20.00 per account. Sampling and monitoring charges assessed to commercial and industrial users increased, effective April 7, 2024. The user charge and the monthly fee is evaluated annually and is set to collect the revenues needed to cover the cost of sewer system and treatment plant operation, maintenance and replacement, and District administration.

### REAL ESTATE TAXES

This year the District levied \$1,501,578 for repairs to the sanitary sewer infrastructure, a 5.1% increase from last year. This levy results in a tax rate of \$0.0406 per \$100 of assessed value. A single-family residence with a market value of \$300,000 will pay \$40.60 in real estate taxes to the District in 2024.

### Watershed Group

The Downers Grove Sanitary District is a founding member and active participant in the DuPage River Salt Creek Workgroup (DRSCW). The DRSCW is a consortium of local governments dedicated to managing the valuable stream resources of the East and West Branches of the DuPage River and Salt Creek. The DRSCW conducts state-of-the-art monitoring of stream biology, chemistry, and habitat, using the data to promote and implement projects and activities to cost-effectively restore these urbanized streams for the intended uses.

After receiving phosphorus limits in their NPDES permits for discharge, the District and other DRSCW members were able to negotiate with the Illinois Environmental Protection Agency (IEPA) a schedule that provided additional time before implementing phosphorus limits in exchange for funding dam removal and stream restoration projects in our receiving streams.

Since 2015, the DRSCW has completed dam removals in the Oak Meadows Golf Course and on Spring Brook and Salt Creek as well as stream stabilization on Klein Creek. Additional dam modification and stream restoration/enhancement projects are in various stages of planning, design, and construction.

Between 2015 and 2025, it is estimated that the District will have avoided \$7.6 million in operations and maintenance expenses associated with phosphorus removal. During this same time period, the District will have contributed \$1.5 million to fund the DRSCW implemented projects, realizing a savings of approximately \$6.1 million. For more information, visit

[www.drscw.org](http://www.drscw.org).



Aerial view of completed Spring Brook. Photo courtesy of the Forest Preserve District of DuPage County.



## SEWER PROBLEMS? OUR ASSISTANCE PROGRAMS CAN HELP!

**Customer service is our first priority.** We have several sewer assistance programs designed to help you with sanitary sewer backups or other problems with your sewer service. Technicians are available 24/7 to respond to emergencies, such as backups or sanitary sewer manhole overflows.

### Building Sanitary Service Repair Assistance Program

If you are having any issues with your sanitary service or have to maintain it by frequently rodding, you may be eligible for a repair under the Building Sanitary Service Repair Assistance Program. The Program covers the entire building sanitary service from the building to the public sewer. To qualify for an initial investigation, property owners should submit a Program Application and a sewer rodding or televising invoice that occurred within the previous 12 months. The District will determine if the cause of repeated maintenance activity is a problem eligible for participation and, if so, the appropriate corrective measures. Most often this includes the installation of an outside cleanout access to help more effectively maintain your service. This Program is not a substitute for and does not cover routine maintenance of the building sanitary service such as periodic rodding. This Program also does not transfer ownership of the building sanitary service to the District.

### Reimbursement Program for Installation of Overhead Sewer or Backflow Prevention Devices

The District requires new construction to include plumbing features needed to protect property from backups that can occur at any time. Owners of older buildings should consider improvements needed to provide this level of protection. This cost sharing program is available for residents who have experienced sewer backup problems and desire to convert to an overhead sewer system or install backflow prevention devices, offering to pay half the project cost up to a limit of \$3,000.

### Reimbursement Program for Sanitary Sewer Backups Caused by Blockages of the Public Sanitary Sewer

If District personnel determine that the sanitary sewer backup was caused by a blockage of the public sanitary sewer, the resident may be eligible for reimbursement of some costs associated with the backup. Please note that sanitary sewer backups occurring as a result of precipitation-related high flow conditions in the public sanitary sewer are not eligible for reimbursement under this Program. Blockages or problems of any nature in the building sanitary service are not eligible for reimbursement under this Program.

## TIPS TO REDUCE INTERNAL PLUMBING PROBLEMS

To help keep the sewer system flowing smoothly and keep the environment safe, residents are reminded that most everyday use items should not be disposed of into the sanitary sewer system. These items include: disposable wipes (sometimes labeled 'flushable' which are not flushable in our system), personal hygiene products, disposable diapers, cotton balls or swabs, tissues or paper towels. In addition, paint, engine oil, pesticides, pharmaceuticals and all household hazardous wastes should not be poured down the sink. Some of these materials can corrode the sewer, while others complicate the treatment process. For more tips, visit [www.dgsd.org/maintain-sewer-line](http://www.dgsd.org/maintain-sewer-line).

### Used Cooking Oil Program -

The District collects and recycles used cooking oil in partnership with SCARCE. Our customers and residents in the surrounding area are encouraged to recycle their used cooking oil instead of pouring it down the drain or disposing of it in the garbage. Used cooking oil can be dropped off any time at the Administration Center at 2710 Curtiss St., Downers Grove, on the east side of the building (as shown on the right).



The Downers Grove Sanitary District is a separate unit of local government that provides sanitary sewerage service for you. We operate independently from your city or village. Our Board of Trustees meets monthly at the District office. These evening meetings are open to the public and include an opportunity for public comment. The District continues to evaluate and improve the transparency of its operations through increased reporting to the state and county, and provides extensive information on the District website.

We hope you will attend the Wastewater Treatment Center Open House on Saturday, Oct. 5, 2024, from 9 a.m. to noon. If you have any questions regarding any of the information in this newsletter or would like to learn more about the District, please call the District office at 630-969-0664 or visit our website at [www.dgsd.org](http://www.dgsd.org).

**BOARD OF TRUSTEES**  
**DOWNERS GROVE SANITARY DISTRICT**



Downers Grove  
Sanitary District

# OPEN HOUSE

SATURDAY, OCT. 5, 2024  
9 A.M. TO NOON

Wastewater Treatment Center  
5003 Walnut Ave., Downers Grove  
(3 blocks north of Maple Ave.)

See firsthand how your local wastewater  
treatment plant operates!  
All are welcome. Admission is free!

For more information, call 630-969-0664 or  
visit [www.dgsd.org](http://www.dgsd.org)

Are You Interested in a Program that Provides these Benefits?

- Lower Fertilizer Costs for Your Landscaping
- Greener, More Prolific Lawns, Flowers, Shrubs and Trees
- Less Need for Watering in the Summer
- Greater Soil Volume on Your Property
- Helping the Environment
- Helping To Keep Your Utility Costs Down

If so, then you are interested in the Biosolids Distribution Program at the Downers Grove Sanitary District.

# Downers Grove Sanitary District

*Providing a Better Environment  
for South Central DuPage County*

For more information, visit our office:

2710 Curtiss Street  
Downers Grove, IL 60515

Call us at 630-969-0664 or  
visit our website at [www.dgsd.org](http://www.dgsd.org)

Biosolids delivery recipients (3-yard minimum) who are also our sewer customers are eligible for a once-per-year \$5 credit on their sewer bill.

Our normal business hours are  
8 a.m. to 4:30 p.m., Monday-Friday

*Rev. 05/22*

## BIOSOLIDS DISTRIBUTION

*Homeowners Information Brochure*

### Downers Grove Sanitary District



## ***HOW ARE THESE BENEFITS ACHIEVED?***

The Downers Grove Sanitary District treats much of the municipal wastewater from the Villages of Downers Grove and Westmont, and a small surrounding area.

We make a soil supplement material as the by-product of the wastewater treatment process. Our unique stabilization process creates a material that has been used for decades by local residents, landscaping contractors, municipalities, and State government agencies.

The material looks like black dirt, but has a softer consistency, carries a high fertilizer value, and retains more water than typical black dirt. Use of this material as a top dressing helps create a lush green lawn, and gives flowers, shrubs, and trees an excellent source of essential nutrients while providing the water-retention properties of mulch.

By giving away this material for beneficial use, we are freeing valuable landfill space and controlling escalating transportation costs, helping to preserve our land and energy resources.

## ***HOW DO I GET SOME?***

You can pick it up, or we'll deliver it to you. Either way, it's **FREE**.

Our pick-up station is located on Curtiss Street, near Katrine Avenue (about 1/2 mile west of Belmont Road). The Village of Downers Grove also has woodchips available for pickup only (no deliveries). Take as much as you can use!



We are happy to deliver loads of biosolids that are 3 cubic yards and larger. This is enough to cover a lawn approximately 100 feet by 100 feet.



Call us at 630-969-0664 to arrange for a delivery today or scan the QR code to fill out our online delivery request form.



## ***FREQUENTLY ASKED QUESTIONS:***

*How much is 3 cubic yards?*

Three cubic yards will fill about twenty 30-gallon garbage cans.

*How far do you deliver?*

We deliver to the area bounded by I-55 on the south, Roosevelt Road on the north, Route 83 on the east, and Naper Boulevard on the west.

*Can I use Biosolids to fill in or build up a low area on my property?*

We recommend that biosolids be mixed half and half with a suitable fill material, such as black dirt, prior to use as a fill material.

*Can I use Biosolids on my vegetable garden?*

At this point in time, the District is recommending that biosolids be used for landscaping purposes only. We do not recommend that it be used for growing edible crops.

*Will my lawn be safe for children and pets?*

Use the same precautions that you would follow with any other fertilizer product. For a general application to your lawn, a good rule of thumb would be to wait for at least one rainfall.

## EasyPay Authorization & Information

(for new EasyPay customers & changes to existing EasyPay customer accounts only)

I authorize the District to deduct my sanitary sewer user bill by electronically deducting each payment from my checking account. I agree that each payment shall be the same as if it were an instrument personally signed and authorized by me. I understand that each payment shall be electronically deducted from my checking account three business days or less before the due date of the bill. **This authority is to remain in effect until revoked by me in writing.**

**I understand that my enrollment in this plan will be confirmed when I first receive a bill with the words "EasyPay DO NOT PAY."** I agree to notify the District before moving to arrange for final billing and/or if I will be changing or closing the bank account being used.

I may stop payment of a charge or update my account information by notifying the District a minimum of ten business days prior to the due date on my bill. I understand that the District and the named financial institution reserve the right to terminate this electronic deduction or my participation at any time at their discretion. I agree to release the Downers Grove Sanitary District from any and all damages resulting from or in connection with my participation in the EasyPay Program.

*Rev. 04/24*

**IF POSSIBLE, PLEASE ATTACH A VOIDED CHECK FOR ACCURACY**

\_\_\_\_\_  
Name(s) on Sewer Bill

\_\_\_\_\_  
Sanitary District Account Number

\_\_\_\_\_  
Bank Name

\_\_\_\_\_  
Name(s) on Checking Account

\_\_\_\_\_  
Bank Routing Number

\_\_\_\_\_  
Checking Account Number

\_\_\_\_\_  
Daytime Telephone Number

\_\_\_\_\_  
Email Address

\_\_\_\_\_  
Signature

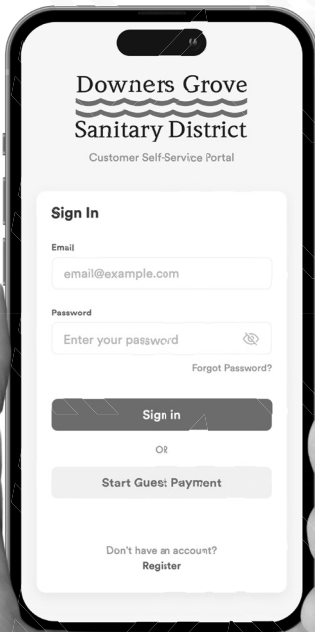
\_\_\_\_\_  
Date

*EXISTING EasyPay CUSTOMERS – Please indicate effective date of the above changes: \_\_\_\_/\_\_\_\_/\_\_\_\_.  
Changes/cancellations – 10 day notice*

Return completed form to: Downers Grove Sanitary District  
2710 Curtiss Street, Downers Grove, IL 60515

Or online registration available at [www.dgsd.org/pay-your-bill/easypay-form](http://www.dgsd.org/pay-your-bill/easypay-form).

# DGSD Customer Portal Available Now!



- Pay Sewer Bill Online
- Register and Manage Accounts
- Sign up for AutoPay and Paperless Billing
- Track Billing and Usage History

Visit [www.paysewerbill.dgsd.org](http://www.paysewerbill.dgsd.org)  
TO REGISTER NOW FOR FREE

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Keith Shaffner  
Sewer Construction Supervisor

DATE: April 1, 2024

RE: Annexation Ordinance No. AO 2024-03 – 1042 Norfolk Street, Downers Grove

This annexation involves one single family home lot, located at 1042 Norfolk Street. The sewer is in the south parkway between Carpenter Street and Main Street, as indicated on the attached map. This project did require Board of Local Improvement approval. BOLI approval was received at the April 2022 meeting. This annexation does not need any right-of-way annexations to make the property contiguous. All tap fees and trunk sewer service charges have been paid as required by ordinance.

The subject ordinance will be presented to the Board for adoption at the April 16th, 2024 Board meeting.

Attachments

CC: KJR, RTJ, MJS, ARU, CS & DM



ANNEXATION ORDINANCE NO. AO 2024-03

BE IT ORDAINED by the President and Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT, a body politic and corporate of DuPage County, Illinois:

WHEREAS, the provisions of Section 2405/23.4 of the Illinois Compiled Statutes, as made and provided, authorize the Trustees of any Sanitary District to annex any property which is not within the corporate limits of any sanitary district but is contiguous to a sanitary district, and which territory has been petitioned for annexation by the owners of record and the electors residing thereon, if any.

WHEREAS, the property hereinafter described is not within the corporate limits of any other Sanitary District, and is contiguous to the corporate limits of the DOWNERS GROVE SANITARY DISTRICT; and has been petitioned for annexation by the owners of record.

NOW, THEREFORE, BE IT RESOLVED by the President and Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT that the following described property be and the same is annexed to the DOWNERS GROVE SANITARY DISTRICT, to-wit:

LOT 15 IN BLOCK 5 IN DOWNERS GROVE ESTATES, BEING A SUBDIVISION OF THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 20, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JULY 9, 1926 AS DOCUMENT 217375, IN DUPAGE COUNTY, ILLINOIS.

P.I.N.: 09-20-109-008

BE IT FURTHER RESOLVED that the Clerk of the DOWNERS GROVE SANITARY DISTRICT be and he is hereby authorized to file a copy of this Ordinance, together with an accurate map of the annexed territory, certified as correct by the Clerk of this District with the County Clerk of DuPage County, Illinois.

PASSED and APPROVED by the President and Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT at their regular meeting held on the 16th day of April 2024.

\_\_\_\_\_  
President

ATTEST: \_\_\_\_\_  
Clerk

# Downers Grove Sanitary District

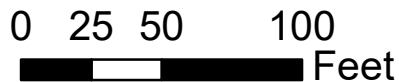
## AO2024-03

### 1042 Norfolk Street



### Legend

- ⊙ Sanitary Manholes
- ➔ Sanitary Sewer
- annexed\_parcels



PETITION FOR ANNEXATION  
of certain property to  
DOWNERS GROVE SANITARY DISTRICT

Your Petitioner, PAK REALTY LLC, an Illinois limited liability company, respectfully submits unto the President and Board of Trustees of the DOWNS GROVE SANITARY DISTRICT its Petition for Annexation of property owned by it to the DOWNS GROVE SANITARY DISTRICT, and state the following:

1. That it is the owner of the following described property located in DuPage County, Illinois, to-wit:

LOT 15 IN BLOCK 5 IN DOWNS GROVE ESTATES, BEING A SUBDIVISION OF THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 20, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JULY 9, 1926 AS DOCUMENT 217375, IN DUPAGE COUNTY, ILLINOIS.

P.I.N.: 09-20-109-008

Property Address: 1042 Norfolk Street, Downers Grove, Illinois 60516

2. That the property is unimproved.
3. That the above described property is contiguous to the corporate limits of the DOWNS GROVE SANITARY DISTRICT and is in no way disqualified by the Statutes of the State of Illinois from being annexed to said District.
4. That your Petitioner is ready and willing to assume its proportionate share of the existing indebtedness, both bonded and otherwise, of the DOWNS GROVE SANITARY DISTRICT.
5. That there is attached to this Petition and incorporated herein by reference, a Plat of Survey which sets forth the exact and particular location of the above described premises.

WHEREFORE, the Petitioner pray that the President and Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT will see fit to annex to said District, the property herein above described by Ordinance, signed by it, and that said Board will have the Clerk of the District file with the County Clerk of DuPage County, Illinois, a Certified Copy of the Annexation Ordinance.


PAK REALTY LLC, an Illinois  
limited liability company

BY:  \_\_\_\_\_

PRINTED NAME: Ahmed Somro

TITLE: Manager

PAK REALTY LLC, an Illinois  
limited liability company

BY:  \_\_\_\_\_

PRINTED NAME: Shaista Mushtaq

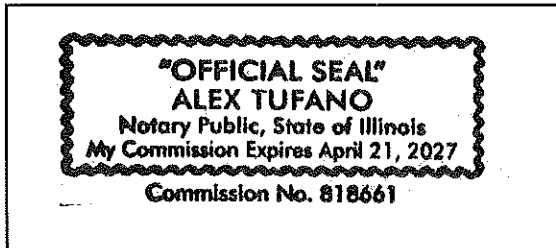
TITLE: Manager

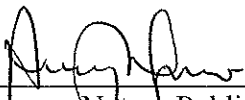
STATE OF ILLINOIS )  
 ) SS  
COUNTY OF DUPAGE )

I, the undersigned, a Notary Public in and for the County and State aforesaid, DO HEREBY CERTIFY that *Ahmed Somro* as *Manager* of PAK REALTY LLC, an Illinois limited liability company, personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed and delivered the said instrument as their own free and voluntary act for the uses and purposes therein set forth.

GIVEN under my hand and official seal this 11<sup>th</sup> day of March, 2024.

AFFIX NOTARY SEAL BELOW



  
\_\_\_\_\_  
Notary Public

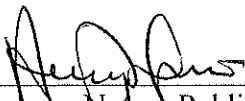
STATE OF ILLINOIS )  
 ) SS  
COUNTY OF DUPAGE )

I, the undersigned, a Notary Public in and for the County and State aforesaid, DO HEREBY CERTIFY that *Shaista Mushtaq* as *Manager* of PAK REALTY LLC, an Illinois limited liability company, personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed and delivered the said instrument as their own free and voluntary act for the uses and purposes therein set forth.

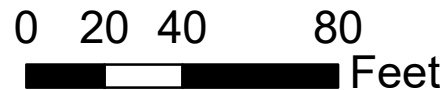
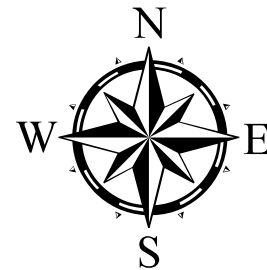
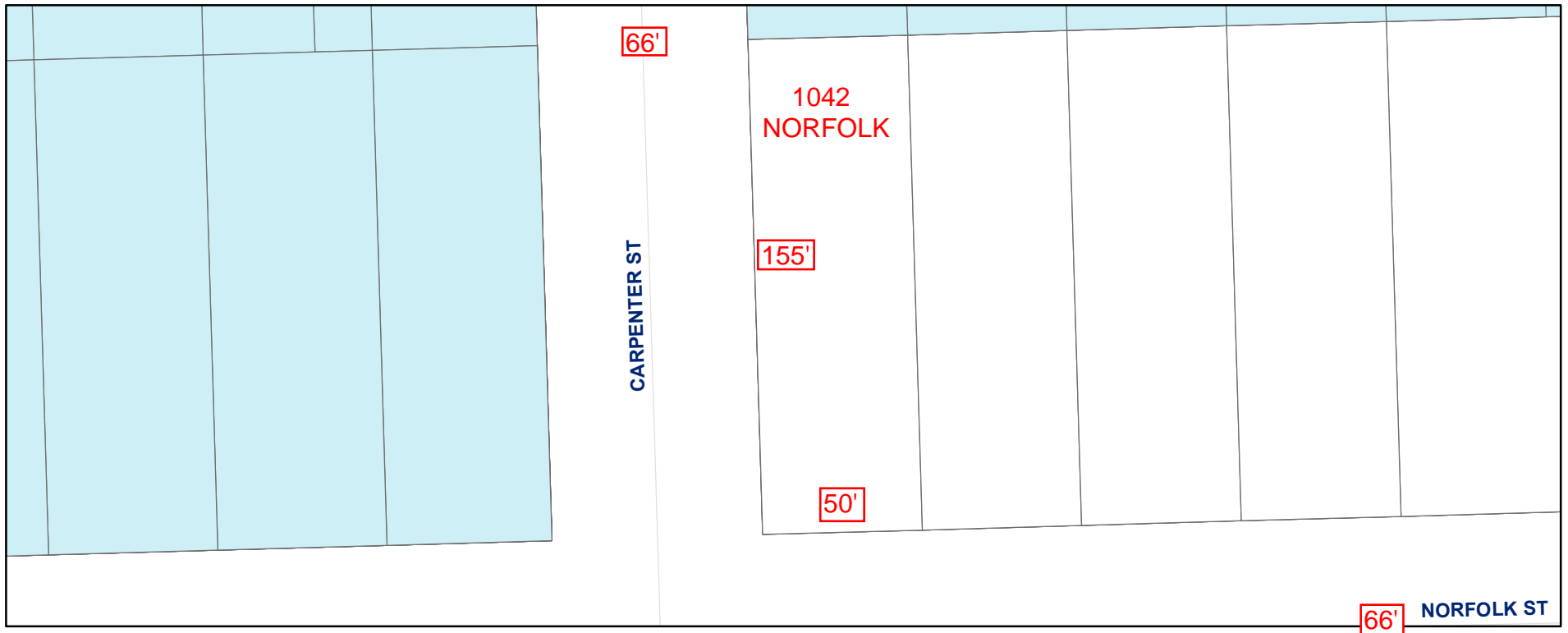
GIVEN under my hand and official seal this 11<sup>th</sup> day of March, 2024.

AFFIX NOTARY SEAL BELOW



  
\_\_\_\_\_  
Notary Public

LOT 15 IN BLOCK 5 IN DOWNERS GROVE ESTATES, BEING A SUBDIVISION OF THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 20, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JULY 9, 1926 AS DOCUMENT 217375, IN DUPAGE COUNTY, ILLINOIS.  
P.I.N.: 09-20-109-008



**BOARD OF LOCAL IMPROVEMENTS  
DOWNERS GROVE SANITARY DISTRICT**

**PROPOSED AGENDA**

April 16, 2024

6:30 p.m.

- I. Election of Officers
- II. Approve Minutes of May 24, 2022
- III. Public Comment
- IV. P713: 26 W. Burlington Avenue, Westmont – Proposed 6 Attached Single Family Homes Sanitary Main Extension
- V. P714: 750 Curtiss Street, Downers Grove – Proposed 132 Unit Apartment Building

**DOWNERS GROVE SANITARY DISTRICT**  
M E M O

DATE: April 10, 2024

TO: BOARD OF LOCAL IMPROVEMENTS

FROM: Amy R. Underwood  
General Manager

RE: Election of BOLI officers for Fiscal Year 2023-2024

On May 16, 2023, the Board of Trustees re-appointed the members of the Board of Local Improvements for Fiscal Year 2023-2024. The BOLI will need to elect officers for the fiscal year at the April 16, 2024 meeting. The following excerpt is from previous minutes for your reference.

Election of Officers

A motion was made by Jungwirth seconded by Scacco nominating Kenneth J. Rathje as President of the Board of Local Improvements, closing the nominations and electing Kenneth J. Rathje as President. The motion carried. (Votes recorded: Ayes–Rathje, Jungwirth and Scacco.) A motion was made by Scacco seconded by Jungwirth nominating Robert T. Jungwirth as Vice President, closing the nominations, and electing Robert T. Jungwirth as Vice President. The motion carried. (Votes recorded: Ayes–Rathje, Jungwirth and Scacco.) A motion was made by Jungwirth seconded by Rathje nominating Mark J. Scacco as Clerk, closing the nominations, and electing Mark J. Scacco as Clerk. The motion carried. (Votes recorded: Ayes–Rathje, Jungwirth and Scacco.)

cc: AES, JMW, ME, KWS, CS, & DM



BOARD OF LOCAL IMPROVEMENTS  
MINUTES

May 24, 2022

A meeting of the Board of Local Improvements of the Downers Grove Sanitary District was held on Tuesday, April 19, 2022. The meeting was held at the District's Administration Center, 2710 Curtiss Street, Downers Grove. Present were Board Members Kenneth J. Rathje, Robert T. Jungwirth and Mark J. Scacco, and General Manager Amy R. Underwood, Administrative Supervisor Carly Shaw, Sewer Construction Supervisor Keith W. Shaffner, Information Coordinator Alyssa J. Caballero, and Attorney for the District Michael G. Philipp, Trustees Wally D. Van Buren and Amy E. Sejnost. President Rathje called the meeting to order at 6:45 p.m.

Minutes of April 19, 2022 Meeting

A motion was made by Jungwirth seconded by Scacco approving the minutes of the meeting held on April 19, 2022. The motion carried.

Public Comment – None

P712 – 4915, 4919 and 4923 Main Street, Downers Grove

The Board reviewed a request for sanitary sewer service from Barriere Properties, LLC, owner, for a mixed use, 22 unit residential and 11,040 square foot commercial building with a combined gross acreage of .61 acres at 4915, 4919 and 4923 Main Street, Downers Grove. These properties are within the District's Facilities Planning Area and are within the District's current corporate limits. The proposed building will generate an estimated wastewater flow of 5,800 gallons per day or a density of 95 PE per acre which is above the District design flow allocation of 25 PE per acre for commercial parcels. Additional trunk sewer service charge will be collected for the overage of the flow allocation. Service can be provided to the property by extension from the District's existing sanitary sewer main located in Main Street in front of the property. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommended approval of this request. Rathje inquired about the lots survey acres size. Staff responded that the acreage on the survey is for only the lots, and the gross acreage includes the adjoining right-of way. A motion was made by Scacco seconded by Jungwirth approving this request subject to annexation, receipt of Illinois EPA permit, construction of necessary sewer extension, payment of all fees per ordinance, compliance with all District ordinances and standard conditions. The motion carried. (Votes recorded: Ayes– Rathje, Jungwirth and Scacco.)

Upon a motion by Jungwirth seconded by Scacco, the meeting was adjourned at 6:52 p.m. The motion carried.

Approved: April 16, 2024

\_\_\_\_\_  
President

Attest: \_\_\_\_\_  
Clerk

**BOARD OF LOCAL IMPROVEMENTS**  
**April 5, 2024**  
**STAFF BRIEFING**

P713: 26 W. Burlington Avenue, Westmont, IL

**REQUEST:**

Ellie Stevens, Owner, is requesting sanitary sewer service for proposed, 6 attached single family homes. These two lots have a combined gross acreage of .6 acres. These properties are within the District's Facilities Planning Area (FPA) and within the District's current corporate limits. The proposed homes will generate an estimated wastewater flow of 2,100 gallons per day or a density of 41 PE per acre, which is above the District design flow allocation of 25 PE per acre. Additional Trunk Sewer Service Charge will be collected for the overage of the flow allocation. This is based on a flow factor of 3.5 PE per home.

**SUMMARY:**

Service can be provided to the property by extending the sanitary sewer main located in the rear alley. See attached plans and map for sewer extension details. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommends approval of this request subject to receipt of an Illinois EPA permit, payment of all fees per ordinance and construction of the necessary sewer extension compliant with District ordinances.

DATE 03/25/24

DOWNERS GROVE SANITARY DISTRICT  
2710 CURTISS STREET  
DOWNERS GROVE, ILLINOIS 60515  
(630) 969-0664

SANITARY SEWER SERVICE REQUEST

Location 22-26 W. Burlington Ave. Westmont, IL 60559

Legal Description Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_

P.I.N. 0909221022 & 09099221021

Name of Owner on Deed OSRX purchasing Phone No. \_\_\_\_\_

Developer OSRX Enterprises, LLC Phone No. \_\_\_\_\_

Name of Person Making Request Ellie Stevens Phone No. (847) 630-4449

E mail: stevens12421@outlook.com

Address (we will be sending information regarding this request; please be sure address is legible)

1239 Declan Court, Naperville, IL 60563

This Applicant's Interest in This Property Owner/Developer  
(Owner/Developer/Beneficiary Land Trust, etc.)

Number of Acres Involved 0.3 Present Zoning R5 Proposed Zoning R5

Is the Property (A) Improved \_\_\_\_\_ (B) Vacant Vacant

(A) If Improved, Describe Improvements \_\_\_\_\_

Number & Type of Units \_\_\_\_\_

(B) If Vacant or Additional Improvements or Remodeling Are Proposed, Describe \_\_\_\_\_

New development, West Burlington Place

Number & Type of Units 6 Townhomes

Estimated Starting Date of Project ASAP

If You Propose to Annex to a Community, Which One \_\_\_\_\_

**NOTE:** If this request is for

- a multiple family development, indicate the number of units for each bedroom count.
- a restaurant, indicate the seating capacity and hours of operation. If drive-up is proposed, give the number of orders per day.
- a commercial project, indicate the floor area.
- an office/warehouse or light manufacturing development, indicate the floor area.
- an office/research development, indicate the floor area and number of employees.
- commercial/industrial buildings(s), provide an estimate of wastewater flow in gallons per day

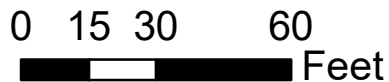
**\*\*SERVICE REQUEST APPROVALS ARE VALID FOR SIX MONTHS\*\***

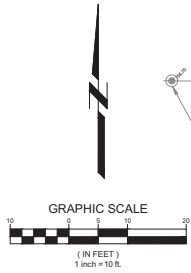
**Downers Grove Sanitary District  
Board of Local Improvements  
P713  
26 W. Burlington Avenue, Wesmtont**



**Legend**

- Sanitary Manholes
- ▶ Sanitary Sewer
- annexed\_parcels





PARCEL 1: LOT 2 (EXCEPT THE WEST 3.00 FEET) IN HERMAN ROSEN'S RESUBDIVISION OF LOTS 9, 10 AND 11 IN BLOCK 13 IN ARTHUR T. MCINTOSH AND COMPANY'S FAIRMONT HEIGHTS, IN THE NORTHEAST 1/4 OF SECTION 9, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT OF SAID HERMAN ROSEN'S RESUBDIVISION RECORDED SEPTEMBER 3, 1957 AS DOCUMENT NO. 854891, IN DUPAGE COUNTY, ILLINOIS.

PARCEL 2: LOT 8 IN BLOCK 13 IN ARTHUR T. MCINTOSH AND COMPANY'S FAIRMONT HEIGHTS, BEING A SUBDIVISION IN THE NORTHEAST 1/4 OF SECTION 9, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED SEPTEMBER 22, 1920 AS DOCUMENT 144403, IN DUPAGE COUNTY, ILLINOIS.

COMMON ADDRESS:  
22 AND 26 WEST BURLINGTON AVENUE  
WESTMONT, ILLINOIS  
PIN: 09-09-221-021-0000 (PARCEL 1)  
PIN: 09-09-221-022-0000 (PARCEL 2)  
TOTAL AREA = 13411.61 SQUARE FEET

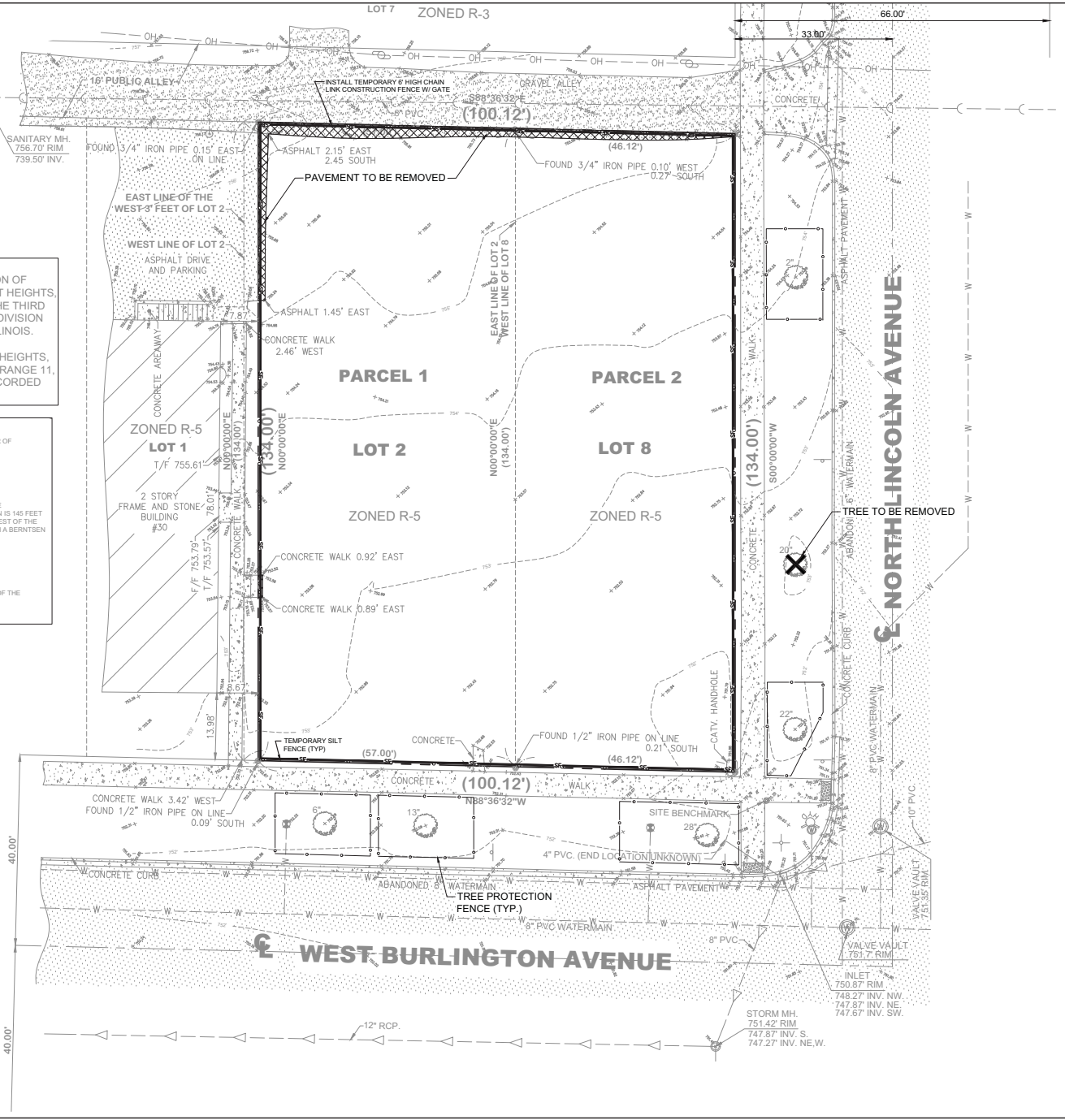
BENCHMARK: PID\_DK3312  
3.5 INCH DISK SET IN CONCRETE AT THE NORTHEAST CORNER OF WASHINGTON STREET AND WARREN AVENUE.  
ELEVATION = 718.78 (NAVD 88)

BENCHMARK: NGS\_PID\_MF1251  
STATION IS LOCATED NEAR THE SOUTHWEST CORNER OF THE INTERSECTION OF 63RD STREET AND DUNHAM ROAD. STATION IS 145 FEET SOUTH OF THE CENTERLINE OF 63RD STREET AND 42 FEET WEST OF THE CENTERLINE OF DUNHAM ROAD. MONUMENT: STEEL ROD WITH A BERTSSEN LID WITH A PVC SLEEVE.  
ELEVATION = 745.59 (NAVD 88)

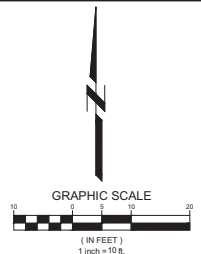
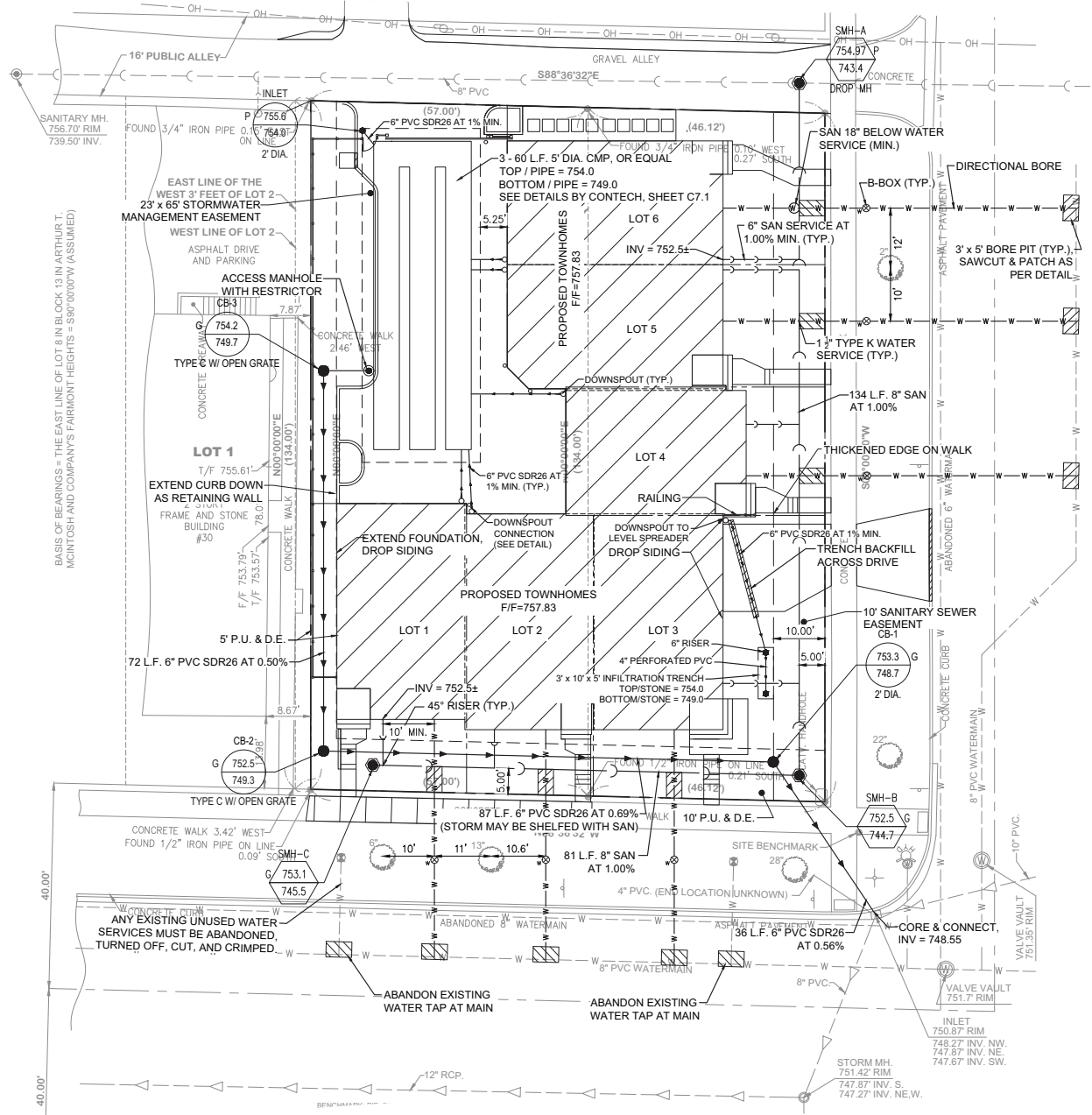
SITE BENCHMARK:  
CROSS CUT IN CONCRETE WALK 5.79' SOUTH AND 6.57' EAST OF THE SOUTHEAST CORNER OF LOT 8 AS SHOWN HEREON.  
ELEVATION = 751.74 (NAVD 88)

**ADJOINING PROPERTY OWNERS WITHIN 100'**

#	File	Parcel Address	Owner/Tax Address
1	09-09-221-014	22 N Lincoln Street Westmont, IL	Baldry, Henry & Christine 22 N Lincoln Street Westmont, IL 60559
2	09-09-221-013	18 N Lincoln Street Westmont, IL	Martin J. Burgmann 18 N Lincoln Street Westmont, IL 60559
10	09-09-221-007	11 N Grant Street Westmont, IL	John & Billie Gray 11 N Grant Street Westmont, IL 60559
15	09-09-221-023	30 W Burlington Avenue Westmont, IL	Imad Shuker 325 Regal Court Chardon Hills, IL 60514-1569
16	09-09-221-018	34 W Burlington Avenue Westmont, IL	CAK Properties LLC 32 W Burlington Ave., No. 4 Westmont, IL 60559
17	09-09-221-017	34 W Burlington Avenue Westmont, IL	CAK Properties LLC 32 W Burlington Ave., No. 4 Westmont, IL 60559
18	09-09-221-016	38 W Burlington Avenue Westmont, IL	Williams Properties, DDS 38 W Burlington Ave. Westmont, IL 60559
32	09-09-222-006	15 N Lincoln Street Westmont, IL	Remaine Ross, Drap-J 15 N Lincoln Street Westmont, IL 60559
33	09-09-222-007	13 N Lincoln Street Westmont, IL	Jeffrey Jancsik 13 N Lincoln Street Westmont, IL 60559
37	09-09-222-009	18 W Burlington Ave Westmont, IL	Robert & Diane Jucovic 4513 Cornett Ave Gurnee, IL 60031
38	09-09-222-008	20 W Burlington Ave Westmont, IL	Matthew Sicala 8548 Woodgarden Dr Burr Ridge, IL 60527
R/W	UNASSIGNED	UNASSIGNED	Burlington Northern Santa Fe



<p><b>EXISTING CONDITIONS, SITE DEMO, AND EROSION CONTROL PLAN</b></p> <p><b>WEST BURLINGTON PLACE</b></p> <p><b>VILLAGE OF WESTMONT, ILLINOIS</b></p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">REVISIONS</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">SUSTAINABLE DESIGN SUSTAINABLE LIVING</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Wolf Pack CONSULTING, LLC</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Civil Engineering Land Planning Project Estimation Business Management</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">4178 South Cass Avenue, Westmont, IL 60559 Office: (815) 944-3117 • wolfpack.com</p>
<p>PROJ. MGR.: PJW</p> <p>PROJ. ENG.: KM</p> <p>DRAWN BY: KM</p> <p>DATE: 03-04-24</p> <p>SCALE: 1"=10'</p> <p>SHEET NO. C2.0</p> <p>PROJ. NUMBER:</p>	



BASIS OF BEARINGS = THE EAST LINE OF LOT 8 IN BLOCK 13 IN ARTHUR T. MCINTOSH AND COMPANY'S FARMHOM HEIGHTS = S89°00'00"W (ASSUMED)

REVISIONS

SUSTAINABLE DESIGN SUSTAINABLE LIVING

Wolf Pack CONSULTING, LLC  
 Civil Engineering  
 Land Planning  
 Project Estimation  
 Stormwater Management  
 418 South Cass Avenue, Westmont, IL 60559  
 Office: (815) 644-3117 • wolfpack.com



PROPOSED UTILITY PLAN  
 WEST BURLINGTON PLACE  
 VILLAGE OF WESTMONT, ILLINOIS

PROJ. MGR.:	PJW
PROJ. ENG.:	KM
DRAWN BY:	KM
DATE:	03-04-24
SCALE:	1"=10'
SHEET NO.:	C4.0
PROJ. NUMBER:	

**BOARD OF LOCAL IMPROVEMENTS**  
**April 5, 2024**  
**STAFF BRIEFING**

P712: 750 Curtiss Street, Downers Grove, IL

**REQUEST:**

Pat Hoyt, of LCI Development Partners, is requesting sanitary sewer service for a proposed multi story apartment complex with 132 residential units. The building is proposed to have 20 studio, 68 one-bedroom, 36 two-bedroom and 8 three-bedroom apartments. This property has a combined gross acreage of 1.7 acres. This property is within the District's Facilities Planning Area (FPA) and within the District's current corporate limits. The proposed building will generate an estimated wastewater flow of 25,700 gallons per day or a density of 151 PE per acre, which is above the District design flow allocation of 25 PE per acre for parcels. Additional Trunk Sewer Service Charge will be collected for the overage of the flow allocation. This is based on a flow factor of studio 1 PE, 1 bedroom at 1.5 PE, two and three bedrooms at 3 PE.

**SUMMARY:**

Service can be provided to the property by the existing sanitary sewer main located in Curtiss Street in front of the property. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommends approval of this request subject to receipt of an Illinois EPA permit, payment of all fees per ordinance and construction of the necessary sewer extension compliant with District ordinances.

DATE 03/26/24

DOWNERS GROVE SANITARY DISTRICT  
2710 CURTISS STREET  
DOWNERS GROVE, ILLINOIS 60515  
(630) 969-0664

SANITARY SEWER SERVICE REQUEST

Location 750 Curtiss Street

Legal Description Lot 2 Block \_\_\_\_\_ Subdivision Downers Grove Civic Center

P.I.N. 09-08-131-021

Name of Owner on Deed Village of Downers Grove Phone No. (630) 434-5500

Developer LCI Development Partners Phone No. (773) 577-1471

Name of Person Making Request Pat Hoyt Phone No. (773) 577-1471

E mail: pghoyt@lclidp.com

Address (we will be sending information regarding this request; please be sure address is legible)  
120 S Riverside Plaza, Suite 2150 Chicago, Illinois 60606

This Applicant's Interest in This Property Developer  
(Owner/Developer/Beneficiary Land Trust, etc.)

Number of Acres Involved 1.34+/- Present Zoning DT Proposed Zoning Same

Is the Property (A) Improved Yes (B) Vacant Soon to be

(A) If Improved, Describe Improvements Currently a Village Civic Center that is in progress of being demolished.

Number & Type of Units \_\_\_\_\_

(B) If Vacant or Additional Improvements or Remodeling Are Proposed, Describe Proposed multi story multi-family apartment complex with 20 studio, 68 one-bedroom, 36 two-bedroom, and 8 three-bedroom units, with pool and parking Number & Type of Units Multi family

Estimated Starting Date of Project Late summer/early fall 2024

If You Propose to Annex to a Community, Which One \_\_\_\_\_

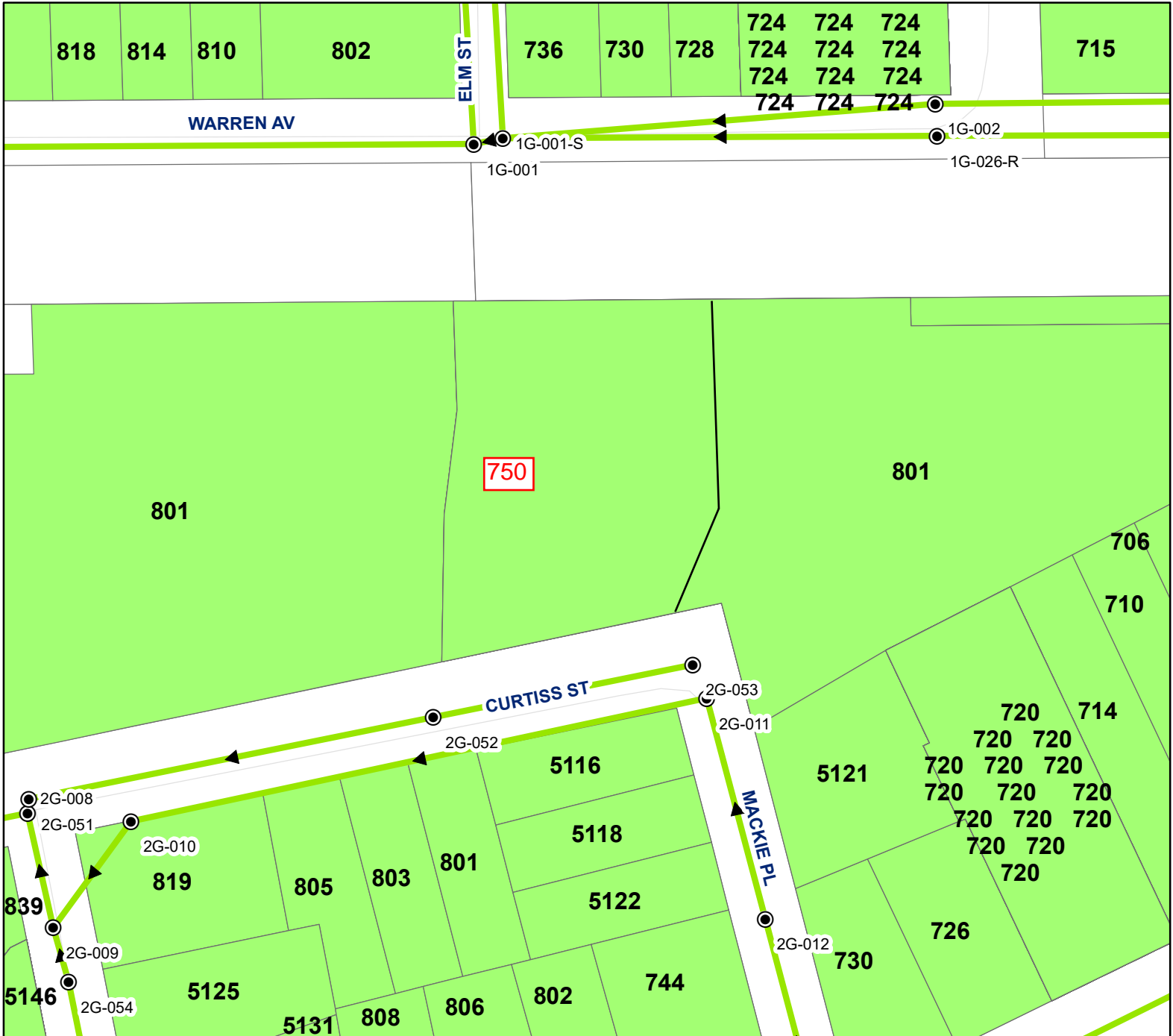
**NOTE:** If this request is for

- a multiple family development, indicate the number of units for each bedroom count.
- a restaurant, indicate the seating capacity and hours of operation. If drive-up is proposed, give the number of orders per day.
- a commercial project, indicate the floor area.
- an office/warehouse or light manufacturing development, indicate the floor area.
- an office/research development, indicate the floor area and number of employees.
- commercial/industrial buildings(s), provide an estimate of wastewater flow in gallons per day




**\*\*SERVICE REQUEST APPROVALS ARE VALID FOR SIX MONTHS\*\***

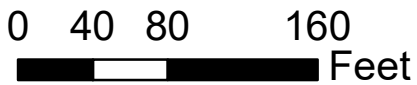


# Downers Grove Sanitary District Board of Local Improvements P714 750 Curtiss Street, Downers Grove



### Legend

-  Sanitary Manholes
-  Sanitary Sewer
-  annexed\_parcels



DRAINAGE CERTIFICATION

STATE OF ILLINOIS
COUNTY OF DUPAGE
SEALED AND SIGNED
A REGISTERED PROFESSIONAL ENGINEER IN ILLINOIS...

GIVEN UNDER MY HAND AND SEAL OF THE COUNTY ENGINEER OF DUPAGE COUNTY, ILLINOIS, THIS 11th DAY OF JULY, A.D. 2022

Beckwith
Seal
OWNER/ATTORNEY

PRELIMINARY/FINAL PLAT OF SUBDIVISION
DOWNERS GROVE CIVIC CENTER

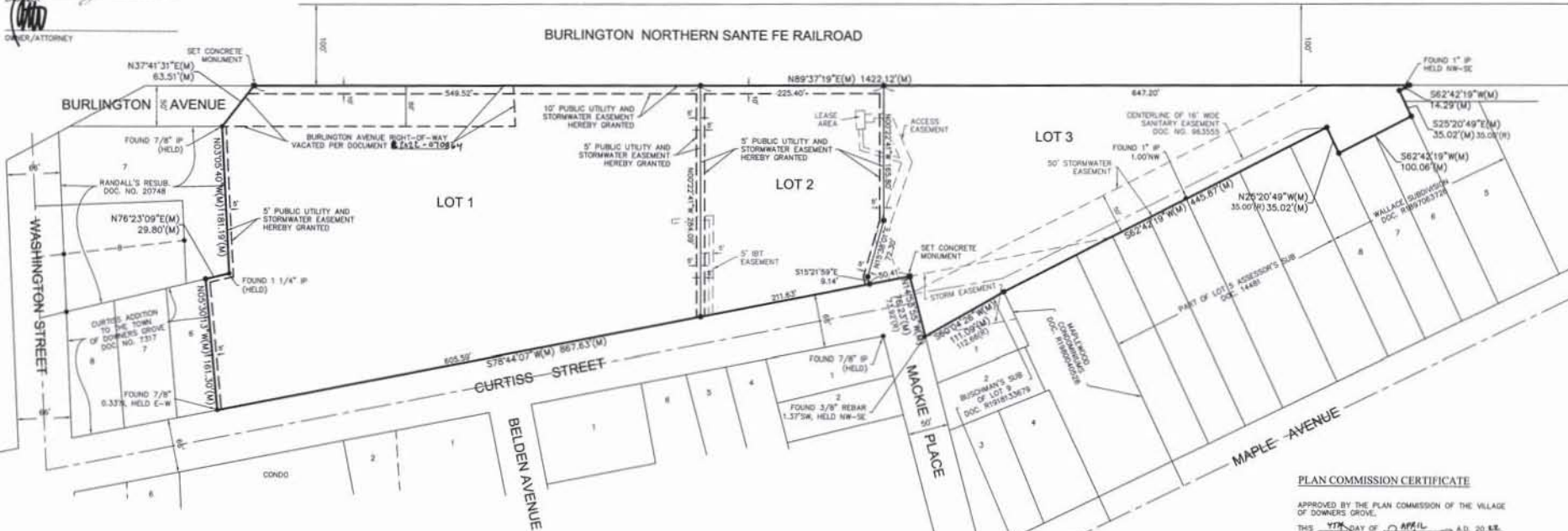
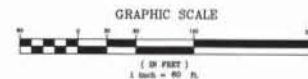
A SUBDIVISION OF PART OF SECTION 8, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN DUPAGE COUNTY, ILLINOIS.

KATHLEEN V. CARRIER, RECORDER
DUPAGE COUNTY, ILLINOIS
08/04/2022 10:34 AM
R2022-073605

RECORDER PLAT PAGE COUNT 2 OF 3

KATHLEEN V. CARRIER, RECORDER
DUPAGE COUNTY, ILLINOIS
07/28/2022 09:27 AM
R2022-071405
RECORDER PLAT PAGE COUNT 2 OF 3

PIN: 09-08-131-019
PIN: 09-08-131-018
PIN: 09-08-211-003
PIN: 09-08-211-002
PIN: 09-08-211-001
PIN: 09-08-211-014
PIN: 09-08-304-008



LEGEND
SET 7/8" O.D.I.P. UNLESS OTHERWISE NOTED
SET CONCRETE MONUMENT UNLESS OTHERWISE NOTED
SET CROSS IN CONCRETE UNLESS OTHERWISE NOTED

EASEMENT PROVISIONS
AN EASEMENT FOR SERVING THE SUBDIVISION AND OTHER PROPERTY WITH ELECTRIC AND COMMUNICATION SERVICE IS HEREBY RESERVED FOR AND GRANTED TO COMMONWEALTH EDISON COMPANY AND AT&T TELEHOLDINGS INCORPORATED, ILLINOIS A.K.A. ILLINOIS BELL TELEPHONE COMPANY, GRANTEE...

ABBREVIATIONS
O.D.I.P. = OUTSIDE DIAMETER IRON PIPE
N = NORTH
S = SOUTH
E = EAST
W = WEST

THE TERM 'COMMON AREA OR AREAS' IS DEFINED AS A LOT, PARCEL OR AREA OF REAL PROPERTY, THE BENEFICIAL USE AND ENJOYMENT OF WHICH IS RESERVED IN WHOLE OR AS AN APPURTENANCE TO THE SEPARATELY OWNED LOTS, PARCELS OR AREAS WITHIN THE PLANNED DEVELOPMENT...

PLAN COMMISSION CERTIFICATE
APPROVED BY THE PLAN COMMISSION OF THE VILLAGE OF DOWNERS GROVE.
THIS 17th DAY OF APRIL, A.D. 2022.
CHAIRMAN: DM Pikel

DOWNERS GROVE SANITARY DISTRICT
STATE OF ILLINOIS
COUNTY OF DUPAGE
I AMYR UNDEWOOD, COLLECTOR OF THE DOWNERS GROVE SANITARY DISTRICT...

VILLAGE OF DOWNERS GROVE COLLECTOR CERTIFICATION
STATE OF ILLINOIS
COUNTY OF DUPAGE
Robin Lahey, COLLECTOR FOR THE VILLAGE OF DOWNERS GROVE...

DOWNS GROVE COUNCIL CERTIFICATE
STATE OF ILLINOIS
COUNTY OF DUPAGE
APPROVED THIS 19th DAY OF JULY, A.D. 2022.

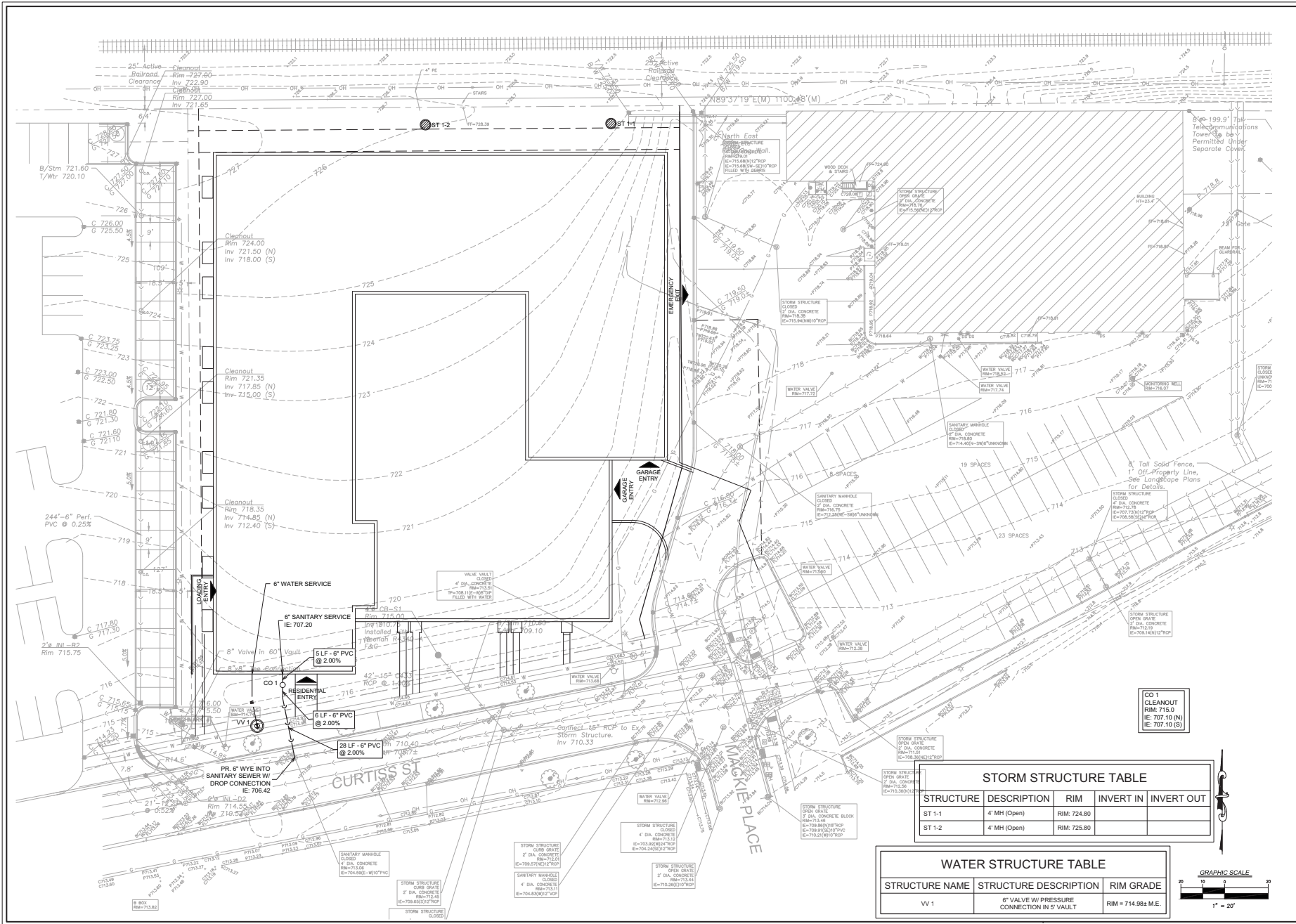


UTILITY STATEMENT
FOR THE PROPOSED CONSTRUCTION OF ANY NEW OR EXISTING UTILITY LINES...

Table with columns: DATE, DRAWN BY, CHECKED BY, REVISIONS

PROJECT: 801 BURLINGTON AVENUE
DRAWN BY: JIMMY L. WOOD
CHECKED BY: JIMMY L. WOOD

COMPASS SURVEYING & CONSTRUCTION PLACING
ALTA SURVEYING TOPOGRAPHY & CONSTRUCTION PLACING

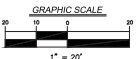


**STORM STRUCTURE TABLE**

STRUCTURE	DESCRIPTION	RIM	INVERT IN	INVERT OUT
ST-1-1	4" MH (Open)	RIM: 724.80		
ST-1-2	4" MH (Open)	RIM: 725.80		

**WATER STRUCTURE TABLE**

STRUCTURE NAME	STRUCTURE DESCRIPTION	RIM GRADE
VV-1	6" VALVE W/ PRESSURE CONNECTION IN 5' VAULT	RIM = 714.92a M.E.



**UTILITY PLAN**  
**750 CURTISS**

DOWNERS GROVE, ILLINOIS

7505 Moore Avenue  
Morton Grove, IL 60053  
630.724.9200 phone  
www.v3cc.com

DRAWING NO.  
**C5.0**

REVISIONS	
NO.	DATE

ORIGINAL ISSUE DATE: FEBRUARY 22, 2024

PROJECT APPROVED BY	DESIGNED BY	CHECKED BY	DATE

PROJECT NO. 03037  
 DRAWING NO. C5.0  
 DATE: FEBRUARY 22, 2024



## IEPA SANITARY FLOW CALCULATIONS

**PROJECT:** 750 Curtiss  
**V3 FILE NO.:** 240097  
**DATE:** 03.11.2024  
**PREPARED BY:** RHA  
**CHECKED BY:**

Units	Number	GPD/Unit	GPD	P.E.
Studio	20	100	2,000.00	20.0
1 Bedroom	68	150	10,200.00	102.0
2 Bedroom	36	300	10,800.00	108.0
3 Bedroom	8	300	2,400.00	24.0

Units	Number	GPD/Person	GPD	P.E.
Pool/Club House	20	10	200.00	2.0

Unit	Number	GPD/Staff	GPD	P.E.
Employees	4	15	60.00	0.6
		<b>SUM</b>	<b>25,660.00</b>	<b>256.6</b>

### IEPA Peak Factor

$$\text{Peak Factor} = \frac{18 + (\text{P.E.}/1000)^{1/2}}{4 + (\text{P.E.}/1000)^{1/2}}$$

$$\text{Peak Factor} = 4.11$$

### Total Peak Flow

$$\text{Peak Flow} = \text{IEPA Peak Factor} * \text{Total Flow}$$

$$\text{Peak Flow} = 105,375 \text{ GPD}$$

DOWNERS GROVE SANITARY DISTRICT

MEMO

TO: Amy R. Underwood  
General Manager

FROM: Carly Shaw  
Administrative Supervisor

DATE: April 11, 2024

RE: Administrative Services Progress Report – March 2024

ADMINISTRATIVE

Personnel

Marcus Hernandez joined the District as the new Maintenance Mechanic on March 25.

The District is currently hiring summer help in the Administration Center. This position will assist the sewer system maintenance department in preparing letters of completed repairs for customers and any other scanning or filing needs the department may have.

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

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

Technology Update

The kick-off meeting with Andrews Technology was held on April 10 and included several of their staff that will assist with implementation as well as myself and Kazys Motekaitis. Their current timeline would have us operating under the new software by early June. I will have weekly meetings as needed to receive updates on progress. I have not had any follow up with BS&A to discuss an implementation schedule but did confirm that the payment was received. I anticipate a meeting with them in the next couple of weeks.

FINANCIAL

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.

The CD with Stearns Bank will mature on April 12. I am reviewing their current rates and other opportunities before making the decision to renew.

cc: AES, JMW, ME, KJR, RTJ, MJS, DM

## USER BILLING SUMMARY

### User Charge System

Billings for March 2024 were as follows:

	User	\$281,515.24
	Surcharge	23,007.98
	Monthly fees	397,560.08
	Total	\$702,083.30
Summer Usage Adjustment		\$0.00
	Billable Flow	125,117,884
	Budgeted Billable Flow	128,594,381
	% Actual/Budgeted Billable Flow	97.30%
	YTD Billable Flow	1,778,515,730
	YTD Budgeted Billable Flow	1,777,826,315
	% Actual/Budgeted Billable Flow	100.04%

The user accounts receivable balance on 3/31/2024 is \$694,355.25 and consists of:

	Current charges due 4/15/2024	\$530,530.89
	Past due charges and penalty	163,824.36
	Total	\$694,355.25

The past due charges represent:

<u>Age</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Totals</u>
30 days past due	\$53,457.47	\$6,983.60	\$60,441.07
60 days past due	18,905.51	3,407.70	22,313.21
90 days & greater past due	68,937.10	12,132.98	81,070.08
Totals	\$141,300.08	\$22,524.28	\$163,824.36

Summary of  
Past Due Charges  
(90 Days and Over)

Five Year Comparison

**March**

<u>Year</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
2024	\$68,937.10	\$12,132.98	\$81,070.08
2023	44,200.55	8,970.57	53,171.12
2022	55,139.44	10,814.13	65,953.57
2021	79,415.08	12,379.57	91,794.65
2020	45,678.28	6,089.99	51,768.27

**Twelve Months Ending March 2024**

<u>Month</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
3/31/24	\$68,937.10	\$12,132.98	\$81,070.08
2/29/24	\$79,375.87	12,955.12	92,330.99
1/31/24	89,625.98	12,900.38	102,526.36
12/31/23	95,040.68	14,211.80	109,252.48
11/30/23	96,576.55	14,657.14	111,233.69
10/31/23	69,307.87	11,140.92	80,448.79
9/30/23	57,856.34	10,171.88	68,028.22
8/30/23	56,820.77	9,871.97	66,692.74
7/31/23	42,973.75	7,253.99	50,227.74
6/30/23	48,202.48	8,745.13	56,947.61
5/31/23	62,672.35	11,351.97	74,024.32
4/30/23	43,089.56	8,905.52	51,995.08

There were 28 accounts scheduled for Pre-Enforcement on March 15, 2024 of which 19 accounts have paid in full. There are 28 accounts scheduled for Pre-Enforcement for April 15, 2024 of which 5 have already paid in full. Water shut off for 47 delinquent accounts in Downers Grove is set for May 8th and 24 delinquent accounts for Westmont May 14th.

**To:** Amy Underwood, General Manager  
**From:** Marc Majewski, Operations Supervisor  
**Date:** April 8, 2024  
**Subject:** March 2024 WWTC Operations Report

Dear Amy,

Please find attached the detailed operating data and monthly report to the Illinois EPA for March.

**Operations Highlights:**

**1. Monthly flow:**

- Average daily flows: 12.24 MGD (Million Gallons per Day)
- Total precipitation: 4.03 inches
- Excess Flow days: 2
- Days of discharge over 11 MGD: 18

**2. Activated Sludge:**

- Good operating performance observed throughout March.
- Predominance of floc formers resulted in efficient solids settling

**3. Anaerobic Digesters:**

- Pumped Volumes:
  - Primary Sludge: 677,842 gallons
  - TWAS (Thickened Waste Activated Sludge): 205,977 gallons
  - Waste grease: 240,924 gallons

**4. Digester Gas:**

- Total production: 5,568,213 cubic feet
- Usage Breakdown:
  - Anaerobic digestion heat: 51,763 cubic feet
  - CHP facilities: 4,648,767 cubic feet
- Flared gas recorded: 278,620 cubic feet
- Munters dehumidifier gas consumption: 589,062

**5. Biosolids:**

- Distributed 45 Dry tons of Class A biosolids in March

**6. Electricity:**

- Overall net energy from ComEd: 44,262 kWh
- Electricity generated by CHP system: 372,694 kWh
- Monthly net energy (including natural gas usage): 72 MWh

Recipients: ME, AES, JMW, KJR, RTJ, MJS, CS, DM

Sincerely,

Marc Majewski

Operations Supervisor



# Monthly Operations Report Page 1

	<b>WWTC Rainfall</b>	<b>B01 Parshall Flume Flow Max</b>	<b>B01 Parshall Flume Flow Min</b>	<b>B01 Parshall Flume Flow Avg (Daily Total)</b>	<b>A01 Parshall Flume Flow Max</b>	<b>A01 Parshall Flume Flow Avg (Daily Total)</b>	<b>C01 Int Clar #1 Flow Max</b>	<b>C01 Int Clar #1 Flow Avg (Daily Total)</b>	<b>Outfall 003 Flow Max</b>	<b>Outfall 003 Flow Avg (Daily Total)</b>	<b>Total Flow Leaving WWTC Avg (Daily Total)</b>	<b>Total Flow Leaving WWTC Max MGD</b>	<b>002 Outfall Flow Avg (Daily Total)</b>
<b>Date</b>	<b>inches</b>	<b>MGD</b>	<b>MGD</b>	<b>MGD</b>	<b>MGD</b>	<b>MGD</b>	<b>MGD</b>	<b>MGD</b>	<b>MGD</b>	<b>MGD</b>	<b>MGD</b>	<b>MGD</b>	<b>MGD</b>
3/1/2024	0.00	11.79	5.94	8.65	0.00	0.00	0.00	0.00	0.00	0.00	8.65	11.79	0.00
3/2/2024	0.00	11.80	5.33	8.18	0.00	0.00	0.00	0.00	0.00	0.00	8.18	11.80	0.00
3/3/2024	0.00	12.11	5.18	8.10	0.00	0.00	0.00	0.00	0.00	0.00	8.10	12.11	0.00
3/4/2024	0.10	10.65	4.68	7.92	0.00	0.00	0.00	0.00	0.00	0.00	7.92	10.65	0.00
3/5/2024	0.56	22.55	7.73	17.28	0.00	0.00	0.00	0.00	0.00	0.00	17.28	22.55	0.00
3/6/2024	0.00	19.99	10.20	14.10	0.00	0.00	0.00	0.00	0.00	0.00	14.10	19.99	0.00
3/7/2024	0.00	15.23	9.01	11.40	0.00	0.00	0.00	0.00	0.00	0.00	11.40	15.23	0.00
3/8/2024	1.13	24.11	9.01	11.40	0.00	0.00	0.00	0.00	0.00	0.00	11.40	24.11	5.77
3/9/2024	0.00	23.92	7.90	15.90	21.28	4.76	0.00	0.00	0.00	0.00	20.66	45.20	3.30
3/10/2024	0.00	22.20	21.02	21.39	16.26	4.08	0.00	0.00	0.00	0.00	25.46	38.46	0.00
3/11/2024	0.00	21.01	12.31	14.79	0.00	0.00	0.00	0.00	0.00	0.00	14.79	21.01	0.00
3/12/2024	0.00	16.52	10.92	13.26	0.00	0.00	0.00	0.00	0.00	0.00	13.26	16.52	0.00
3/13/2024	0.00	17.94	8.27	11.45	0.00	0.00	0.00	0.00	0.00	0.00	11.45	17.94	0.00
3/14/2024	0.49	23.11	5.65	16.28	0.00	0.00	0.00	0.00	0.00	0.00	16.28	23.11	0.00
3/15/2024	0.00	21.38	10.61	14.82	0.00	0.00	0.00	0.00	0.00	0.00	14.82	21.38	0.00
3/16/2024	0.00	16.61	9.95	12.88	0.00	0.00	0.00	0.00	0.00	0.00	12.88	16.61	0.00
3/17/2024	0.00	15.27	8.87	11.57	0.00	0.00	0.00	0.00	0.00	0.00	11.57	15.27	0.00
3/18/2024	0.00	15.84	8.87	11.57	0.00	0.00	0.00	0.00	0.00	0.00	11.57	15.84	0.00
3/19/2024	0.00	11.86	7.28	10.32	0.00	0.00	0.00	0.00	0.00	0.00	10.32	11.86	0.00
3/20/2024	0.00	15.93	6.11	9.47	0.00	0.00	0.00	0.00	0.00	0.00	9.47	15.93	0.00
3/21/2024	0.00	15.78	5.34	9.22	0.00	0.00	0.00	0.00	0.00	0.00	9.22	15.78	0.00
3/22/2024	0.24	16.07	5.38	9.95	0.00	0.00	0.00	0.00	0.00	0.00	9.95	16.07	0.00
3/23/2024	0.00	15.46	7.10	9.61	0.00	0.00	0.00	0.00	0.00	0.00	9.61	15.46	0.00
3/24/2024	0.00	12.40	6.24	8.96	0.00	0.00	0.00	0.00	0.00	0.00	8.96	12.40	0.00
3/25/2024	0.57	15.88	6.27	9.29	0.00	0.00	0.00	0.00	0.00	0.00	9.29	15.88	0.00
3/26/2024	0.12	22.73	12.78	16.40	0.00	0.00	0.00	0.00	0.00	0.00	16.40	22.73	0.00
3/27/2024	0.00	15.73	10.01	12.04	0.00	0.00	0.00	0.00	0.00	0.00	12.04	15.73	0.00
3/28/2024	0.00	16.30	8.21	10.87	0.00	0.00	0.00	0.00	0.00	0.00	10.87	16.30	0.00
3/29/2024	0.02	15.98	7.55	10.09	0.00	0.00	0.00	0.00	0.00	0.00	10.09	15.98	0.00
3/30/2024	0.50	23.09	9.58	17.96	0.00	0.00	0.00	0.00	0.00	0.00	17.96	23.09	0.00
3/31/2024	0.30	21.18	11.90	14.42	0.00	0.00	0.00	0.00	0.00	0.00	14.42	21.18	0.00
<b>Minimum</b>	0.00	10.65	4.68	7.92	0.00	0.00	0.00	0.00	0.00	0.00	7.92	10.65	0.00
<b>Maximum</b>	1.13	24.11	21.02	21.39	21.28	4.76	0.00	0.00	0.00	0.00	25.46	45.20	5.77
<b>Total</b>	4.03	540.43	265.18	379.55	37.54	8.83	0.00	0.00	0.00	0.00	388.38	577.97	9.07
<b>Average</b>	0.13	17.43	8.55	12.24	1.21	0.29	0.00	0.00	0.00	0.00	12.53	18.64	0.29

## 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
3/1/2024	8.65	2,002	62,094	8.45	36	27	22	134		3,985	
3/2/2024	8.18		62,094	8.44							
3/3/2024	8.10		62,094	8.50							
3/4/2024	7.92	1,961	60,825	10.45	33	24		122		3,167	8.5
3/5/2024	17.28	1,689	52,394	8.96	25	20	14	116	3,878		7.1
3/6/2024	14.10	2,015	62,498	7.41	29	22	19	109		4,569	9.1
3/7/2024	11.40	1,936	60,067	7.10	32	24	21	125	3,554		
3/8/2024	11.40	1,899	58,905	7.70	32	23	20	122		4,135	
3/9/2024	15.90		58,905	7.66							
3/10/2024	21.39		58,905	7.65							
3/11/2024	14.79	1,988	61,690	12.27	31	21	19	105		4,804	8.6
3/12/2024	13.26	1,956	60,672	6.84	34	26	22	130	3,885		8.2
3/13/2024	11.45	1,969	61,092	6.59	33	25	21	128		5,018	8.4
3/14/2024	16.28	2,022	62,725	6.74	27	22	19	110	4,268		
3/15/2024	14.82	2,016	62,528	5.84	34	25	21	124		5,791	
3/16/2024	12.88		62,528	5.86							
3/17/2024	11.57		62,528	5.82							
3/18/2024	11.57	2,042	82,554	7.61	34	26	22	126		4,487	8.8
3/19/2024	10.32	1,918	59,513	7.16	39	28	23	143	3,896		8.5
3/20/2024	9.47	2,059	63,874	9.67	31	24	20	117		3,569	8.7
3/21/2024	9.22	2,191	67,969	10.34	31	24	21	107	4,638		
3/22/2024	9.95	2,052	63,660	8.78	37	27	22	130		3,926	
3/23/2024	9.61		63,660	8.79							
3/24/2024	8.96		63,660	8.82							
3/25/2024	9.29	1,962	60,881	9.66	34	25	21	127		3,421	8.6
3/26/2024	16.40	1,694	52,564	8.34	31	23	20	134	3,734		7.7
3/27/2024	12.04	2,334	72,404	8.16	37	27	22	123		4,786	8.2
3/28/2024	10.87	1,861	57,723	6.56	30	24	19	128	4,693		
3/29/2024	10.09		57,723	6.51							
3/30/2024	17.96		57,723	6.52							
3/31/2024	14.42		57,723	6.51							
Minimum	7.92	1,689	52,394.26	5.82	25.01	19.50	13.52	105.38	3,554	3,167	7.1
Maximum	21.39	2,334	82,554.11	12.27	38.54	27.52	22.52	143.28	4,693	5,791	9.1
Total	379.55	39,564	1,914,174.32	245.73	649.55	485.28	386.45	2,461.51	32,546	51,658	100.4
Average	12.24	1,978	61,747.58	7.93	32.50	24.35	20.42	123.00	4,068	4,305	8.4

## 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
3/1/2024	8.65							33	48	
3/2/2024	8.18							34	62	
3/3/2024	8.10							45	74	
3/4/2024	7.92	320	106		1.9	126	99.0	-4	74	55.1
3/5/2024	17.28	230	132	3.9	2.7	389	97.7	41	49	54.8
3/6/2024	14.10	201	98		2.0	235	97.8	39	52	53.4
3/7/2024	11.40	240	186	2.6	1.8	171	97.8	37	53	53.8
3/8/2024	11.40	159						37	53	0.0
3/9/2024	15.90	131						40	47	
3/10/2024	21.39							34	48	
3/11/2024	14.79	250	125		1.8	222	98.5	30	70	52.9
3/12/2024	13.26	229	112	3.1	1.4	155	98.3	47	74	53.0
3/13/2024	11.45	270	120		1.2	115	98.8	47	73	52.2
3/14/2024	16.28	166	100	3.5	1.4	190	98.3	43	69	52.3
3/15/2024	14.82							39	60	
3/16/2024	12.88							40	61	
3/17/2024	11.57							31	44	
3/18/2024	11.57	260	90		1.2	116	99.0	31	44	52.5
3/19/2024	10.32	280	92	3.0	1.2	103	99.0	30	62	53.2
3/20/2024	9.47	128	77		1.5	118	97.5	28	50	53.4
3/21/2024	9.22	168	110	2.3	1.6	123	97.6	26	46	53.4
3/22/2024	9.95							31	42	
3/23/2024	9.61							30	43	
3/24/2024	8.96							34	52	
3/25/2024	9.29	180	98		2.2	170	98.2	47	64	53.6
3/26/2024	16.40	168	84	3.5	2.2	301	96.8	34	56	52.5
3/27/2024	12.04	165	76		2.2	221	96.5	30	46	52.3
3/28/2024	10.87	176	86	2.6	1.4	127	97.8	28	46	52.3
3/29/2024	10.09							31	60	
3/30/2024	17.96							42	65	
3/31/2024	14.42							39	59	
Minimum	7.92	128	76	2.3	1.20	103	96.5	-4	42	0.0
Maximum	21.39	320	186	3.9	2.70	389	99.0	47	74	55.1
Total	379.55	3,721	1,692	24.5	27.70	2,882	1,568.8	851	1,746	850.7
Average	12.24	207	106	3.1	1.73	180	98.0	35	56	50.0

## 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
3/1/2024	8.65	172			0.3	22	99.8	7.8	7.7	7.2	7.4
3/2/2024	8.18	204			0.7	48	99.7				
3/3/2024	8.10	172			1.2	81	99.3				
3/4/2024	7.92	240	44		1.8	119	99.3	7.7	7.6	7.2	7.3
3/5/2024	17.28	180	93	7.6	3.0	432	98.3	7.7	7.7	7.0	7.1
3/6/2024	14.10	152	51		1.3	153	99.1	7.9	7.9	7.4	7.4
3/7/2024	11.40	160	125	4.6	1.1	105	99.3	7.8	7.9	7.2	7.3
3/8/2024	11.40	96			1.6	152	98.3	7.8	7.8	7.3	7.5
3/9/2024	15.90	96			1.6	212	98.3				
3/10/2024	21.39	124			1.3	232	99.0				
3/11/2024	14.79	192	70		0.6	74	99.7	7.8	8.0	7.4	7.5
3/12/2024	13.26	174	43	4.8	0.9	100	99.5	7.9	7.8	7.3	7.4
3/13/2024	11.45	168	62		1.3	124	99.2	7.8	7.9	7.4	7.4
3/14/2024	16.28	152	66	8.8	1.6	217	98.9	7.9	7.8	7.3	7.4
3/15/2024	14.82	100			0.8	99	99.2	7.9	7.8	7.3	7.6
3/16/2024	12.88	112			1.0	107	99.1				
3/17/2024	11.57	140			1.0	97	99.3				
3/18/2024	11.57	180	30		0.7	68	99.6	7.9	7.7	7.4	7.4
3/19/2024	10.32	256	80	5.2	1.0	86	99.6	7.9	7.7	7.4	7.4
3/20/2024	9.47	160	39		1.2	95	99.3	7.9	7.9	7.4	7.5
3/21/2024	9.22	148	88	1.8	1.2	92	99.2	7.9	7.9	7.4	7.5
3/22/2024	9.95	172			0.9	75	99.5	7.8	7.7	7.3	7.4
3/23/2024	9.61	180			1.3	104	99.3				
3/24/2024	8.96	132			1.0	75	99.2				
3/25/2024	9.29	184	74		1.0	77	99.5	7.7	7.8	7.3	7.6
3/26/2024	16.40	128	51	5.4	1.7	232	98.7	7.8	7.8	7.2	7.3
3/27/2024	12.04	120	59		1.2	120	99.0	7.9	7.8	7.2	7.5
3/28/2024	10.87	136	52	4.9	0.6	54	99.6	7.8	7.9	7.3	7.4
3/29/2024	10.09	168			1.1	93	99.3	7.8	7.8	7.2	7.5
3/30/2024	17.96	128			1.6	240	98.8				
3/31/2024	14.42	142			1.3	156	99.1				
Minimum	7.92	96	30	1.8	0.3	22	98.3	7.7	7.6	7.0	7.1
Maximum	21.39	256	125	8.8	3.0	432	99.8	7.9	8.0	7.4	7.6
Total	379.55	4,868	1,027	43.1	36.9	3,941	3,074.9	164.4	163.9	153.1	155.8
Average	12.24	157	64	5.4	1.2	127	99.2	7.8	7.8	7.3	7.4

# 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
3/1/2024	8.65					
3/2/2024	8.18					
3/3/2024	8.10	14.61	0.10	6.8		
3/4/2024	7.92	25.43	0.10	6.6		
3/5/2024	17.28	8.13	0.45	64.9	0.015	
3/6/2024	14.10	12.52	0.17	20.0	0.015	
3/7/2024	11.40	13.02	0.32	30.4		
3/8/2024	11.40				0.020	
3/9/2024	15.90				0.015	
3/10/2024	21.39	6.38	0.10	17.8		
3/11/2024	14.79	10.89	0.39	48.1		
3/12/2024	13.26	13.48	0.73	80.8		
3/13/2024	11.45	10.22	0.19	18.1		
3/14/2024	16.28	7.76	0.20	27.1	0.037	
3/15/2024	14.82				0.015	
3/16/2024	12.88					
3/17/2024	11.57	9.92	0.10	9.7		
3/18/2024	11.57	16.52	0.13	12.5		
3/19/2024	10.32	11.96	0.28	24.1		
3/20/2024	9.47	17.20	0.11	8.7		
3/21/2024	9.22	16.52	0.33	25.4		
3/22/2024	9.95					
3/23/2024	9.61					
3/24/2024	8.96	12.09	0.10	7.5		
3/25/2024	9.29	17.13	0.10	7.7		
3/26/2024	16.40	10.35	0.57	78.0		
3/27/2024	12.04	11.12	0.49	49.2		
3/28/2024	10.87	16.04	0.16	14.5		
3/29/2024	10.09					
3/30/2024	17.96					
3/31/2024	14.42	7.87	0.10	12.0		
Minimum	7.92	6.38	0.10	6.6	0.015	
Maximum	21.39	25.43	0.73	80.8	0.037	
Total	379.55	269.16	5.22	569.9	0.117	
Average	12.24	12.82	0.25	27.1	0.020	

## SLUDGE DATA

Primary Sludge	TS	3.95 %	677,842 Gallons
WAS to Thickener	TS	2.58 %	632,000 Gallons
TWAS to Digester 4	TS	5.43 %	205,977 Gallons
Hauled Grease to Digs	TS	8.00 %	240,924 Gallons

## Anaerobically Digested Sludge Pumping

to Drying Beds	TS	2.50 %	90,300 Gallons
to BFP	TS	2.29 %	897,705 Gallons
to Lagoons	TS	%	Gallons
Total			988,005 Gallons
VS Destruction			65.2 %

## Biosolids Disposal

Class A Distribution	Mar	45 Dry Tons
Class B Hauling	Mar	Dry Tons
Total	Mar	45 Dry Tons
Class A Distribution	YTD	126 Dry Tons
Class B Hauling	YTD	Dry Tons
Total	YTD	126 Dry Tons

## ENERGY DATA

Total Digester Gas Production	5,568,213 SCF
Gas Volume per Volatile Solids Load	13.0 Cu.Ft./Lb.

## Digester Gas Utilization

Heat Exchangers	51,763 SCF
Dehumidification	589,062 SCF
CHP	4,648,767 SCF
Total	5,289,592 SCF

## Digester Gas Flared

278,620 SCF

## Natural Gas Consumed

WWTC	27,267 SCF
MSB	35,633 SCF
Chemical Feed	24,067 SCF
5006 Walnut	6,767 SCF

Kilowatt-hours Generated CHP	372,694 KWH
Net energy from Comed	44,262 KWH
Monthly net energy	72 MWH

## MISCELLANEOUS

Grit Removal	Mar	20 Cu. Yds
Grit Removal	YTD	60 Cu. Yds
Anaerobic Supernate		466,255 Gallons
Waste Activated Sludge		218,442 Gals/Day
City Water Consumed		66,722 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
3/1/2024	8.65											
3/2/2024	8.18											
3/3/2024	8.10											
3/4/2024	7.92		3.14		207.5							
3/5/2024	17.28											
3/6/2024	14.10	3.35	1.76	390.3	207.0	47.5						
3/7/2024	11.40											
3/8/2024	11.40											
3/9/2024	15.90											
3/10/2024	21.39		1.05		187.3							
3/11/2024	14.79											
3/12/2024	13.26						25.5	10.5	2,792.7	1,161.5	58.4	13.42
3/13/2024	11.45	2.88	1.97	274.3	188.2	31.6						
3/14/2024	16.28											
3/15/2024	14.82											
3/16/2024	12.88											
3/17/2024	11.57											
3/18/2024	11.57	4.28	1.88	409.8	181.5	56.1						
3/19/2024	10.32											
3/20/2024	9.47											
3/21/2024	9.22		2.94		226.1							21.81
3/22/2024	9.95											
3/23/2024	9.61											
3/24/2024	8.96											
3/25/2024	9.29	3.67	2.42	275.8	187.5	34.1						
3/26/2024	16.40		2.25		307.7							
3/27/2024	12.04											
3/28/2024	10.87											17.20
3/29/2024	10.09											
3/30/2024	17.96											
3/31/2024	14.42											
Minimum	7.92	2.88	1.05	274.3	181.5	31.6	25.5	10.5	2,792.7	1,161.5	58.4	13.42
Maximum	21.39	4.28	3.14	409.8	307.7	56.1	25.5	10.5	2,792.7	1,161.5	58.4	21.81
Total	379.55	14.18	17.41	1,350.3	1,692.8	169.2	25.5	10.5	2,792.7	1,161.5	58.4	52.43
Average	12.24	3.55	2.18	337.6	211.6	42.3	25.5	10.5	2,792.7	1,161.5	58.4	17.48

**DMR Copy of Record**

<b>Permit</b>			
<b>Permit #:</b>	<b>IL0028380</b>	<b>Permittee:</b>	DOWNERS GROVE SANITARY DISTRICT
<b>Major:</b>	Yes	<b>Permittee Address:</b>	2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-0</b> COMBINED DISCHARGE FROM A01, B01, & C01
<b>Facility:</b>	DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER		
<b>Facility Location:</b>	5003 WALNUT AVENUE DOWNERS GROVE, IL 60515		

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	From 03/01/24 to 03/31/24	<b>DMR Due Date:</b>	04/25/24
<b>Status:</b>	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.

<b>Principal Executive Officer</b>			
<b>First Name:</b>	Amy	<b>Title:</b>	General Manager
<b>Last Name:</b>	Underwood	<b>Telephone:</b>	630-969-0664

**No Data Indicator (NODI)**  
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading				Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type		
					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					=	8.3	=	8.2	=	7.1	19 - mg/L	0	03/DW - 3 Days Every Week DL/DS - Daily When Discharging	GR - GRAB GR - GRAB
					Permit Req.						Req Mon MO AV MN		Req Mon MN WK AV		Req Mon DAILY MN	19 - mg/L			
					Value NODI														
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample					=	4.7	=	6.7	19 - mg/L	0	04/07 - Four Per Week DL/DS - Daily When Discharging	CP - COMPOS GR - GRAB		
					Permit Req.						<= 30.0 MO AVG		<= 45.0 WKLY AVG	19 - mg/L					
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.0	=	7.4	12 - SU	0	05/DW - 5 Days Every Week DL/DS - Daily When Discharging	GR - GRAB GR - GRAB		
					Permit Req.						>= 6.0 MINIMUM		<= 9.0 MAXIMUM	12 - SU					
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample					=	1.3	=	2.3	19 - mg/L	0	05/DW - 5 Days Every Week DL/DS - Daily When Discharging	CP - COMPOS GR - GRAB		
					Permit Req.						<= 30.0 MO AVG		<= 45.0 WKLY AVG	19 - mg/L					
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample					=	0.28	=	0.73	19 - mg/L	0	05/DW - 5 Days Every Week DL/DS - Daily When Discharging	CP - COMPOS GR - GRAB		
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L					
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample					=	1.95	=	3.14	19 - mg/L	0	10/30 - Ten Per Month DL/DS - Daily When Discharging	CP - COMPOS 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					=	0.15			19 - mg/L	0	DL/DS - Daily When Discharging DL/DS - Daily When Discharging	GR - GRAB GR - GRAB		
					Permit Req.						<= 0.75 MO AVG			19 - mg/L					
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample							=	260.0	13 - #/100mL	0	DL/DS - Daily When Discharging DL/DS - Daily When Discharging	GR - GRAB GR - GRAB		
					Permit Req.							<=	400.0 DAILY MX	13 - #/100mL					
					Value NODI														
82220	Flow, total	1 - Effluent Gross	0	--	Sample		=	379.31	80 - Mgal/mo						0	99/99 - Continuous 99/99 - Continuous			
					Permit Req.			Req Mon MO TOTAL	80 - Mgal/mo										
					Value NODI														

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

**Edit Check Errors**  
No errors.

**Comments**  
30 days of discharge. 2 days 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: 2024-04-10 14:55 (Time Zone: -05:00)

***Report Last Signed By***

User: reeseberry  
Name: Dorrance Berry  
E-Mail: rberry@dgsd.org  
Date/Time: 2024-04-10 15:38 (Time Zone: -05:00)



**DMR Copy of Record**

<b>Permit</b>			
<b>Permit #:</b>	<b>IL0028380</b>	<b>Permittee:</b>	DOWNERS GROVE SANITARY DISTRICT
<b>Major:</b>	Yes	<b>Permittee Address:</b>	2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515
<b>Permitted Feature:</b>	002 External Outfall	<b>Discharge:</b>	<b>002-0</b> MIXING CHAMBER OVERFLOW TO ST JOSEPH CRK
<b>Facility:</b>	DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER		
<b>Facility Location:</b>	5003 WALNUT AVENUE DOWNERS GROVE, IL 60515		

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	From 03/01/24 to 03/31/24	<b>DMR Due Date:</b>	04/25/24
<b>Status:</b>	NetDMR Validated		

**Considerations for Form Completion**  
W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

<b>Principal Executive Officer</b>			
<b>First Name:</b>	Amy	<b>Title:</b>	General Manager
<b>Last Name:</b>	Underwood	<b>Telephone:</b>	630-969-0664

**No Data Indicator (NODI)**  
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type			
					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						=	7.7				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						=	11.0				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				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						=	3.8				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															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample						=	0.65				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						=	1.04				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						=	0.39				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						=	260.0				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						=	9.07				80 - Mgal/mo	0	DL/DS - Daily When Discharging	GR - GRAB	
					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**  
2 days 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: 2024-04-10 15:04 (Time Zone: -05:00)

***Report Last Signed By***

User: reeseberry  
Name: Dorrance Berry  
E-Mail: rberry@dgsd.org  
Date/Time: 2024-04-10 15:38 (Time Zone: -05:00)

**DMR Copy of Record**

<b>Permit</b>			
<b>Permit #:</b>	<b>IL0028380</b>	<b>Permittee:</b>	DOWNERS GROVE SANITARY DISTRICT
<b>Major:</b>	Yes	<b>Permittee Address:</b>	2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515
<b>Permitted Feature:</b>	003 External Outfall	<b>Discharge:</b>	<b>003-0</b> EXCESS FLOW TO ST JOSEPH CREEK
<b>Facility:</b>	DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER		
<b>Facility Location:</b>	5003 WALNUT AVENUE DOWNERS GROVE, IL 60515		

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	<b>From 03/01/24 to 03/31/24</b>	<b>DMR Due Date:</b>	<b>04/25/24</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

**Considerations for Form Completion**  
W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

<b>Principal Executive Officer</b>			
<b>First Name:</b>	Amy	<b>Title:</b>	General Manager
<b>Last Name:</b>	Underwood	<b>Telephone:</b>	630-969-0664

**No Data Indicator (NODI)**  
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type								
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3				Units							
00300	<b>Oxygen, dissolved [DO]</b>	1 - Effluent Gross	0	--	Sample																					
					Permit Req.										Req Mon DAILY MN	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB							
					Value NODI												C - No Discharge									
00310	<b>BOD, 5-day, 20 deg. C</b>	1 - Effluent Gross	0	--	Sample																					
					Permit Req.										<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB				
					Value NODI													C - No Discharge		C - No Discharge						
00400	<b>pH</b>	1 - Effluent Gross	0	--	Sample																					
					Permit Req.										>=	6.0 MINIMUM		<=	9.0 MAXIMUM	12 - SU		DL/DS - Daily When Discharging	GR - GRAB			
					Value NODI													C - No Discharge		C - No Discharge						
00530	<b>Solids, total suspended</b>	1 - Effluent Gross	0	--	Sample																					
					Permit Req.													<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI													C - No Discharge		C - No Discharge						
00610	<b>Nitrogen, ammonia total [as N]</b>	1 - Effluent Gross	0	--	Sample																					
					Permit Req.															Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB		
					Value NODI															C - No Discharge						
00665	<b>Phosphorus, total [as P]</b>	1 - Effluent Gross	0	--	Sample																					
					Permit Req.															Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI															C - No Discharge	C - No Discharge					
50060	<b>Chlorine, total residual</b>	1 - Effluent Gross	0	--	Sample																					
					Permit Req.															<=	0.75 MO AVG		19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															C - No Discharge						
74055	<b>Coliform, fecal general</b>	1 - Effluent Gross	0	--	Sample																					
					Permit Req.															<=	400.0 DAILY MX	13 - #/100mL		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI															C - No Discharge						
82220	<b>Flow, total</b>	1 - Effluent Gross	0	--	Sample																					
					Permit Req.																Req Mon MO TOTAL	80 - Mgal/mo		DL/DS - Daily When Discharging		
					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: 2024-04-10 15:05 (Time Zone: -05:00)

***Report Last Signed By***

User: reeseberry  
Name: Dorrance Berry  
E-Mail: rberry@dgsd.org  
Date/Time: 2024-04-10 15:38 (Time Zone: -05:00)

## DMR Copy of Record

<b>Permit</b>			
Permit #:	IL0028380	Permittee:	DOWNERS GROVE SANITARY DISTRICT
Major:	Yes	Permittee Address:	2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515
Permitted Feature:	A01 External Outfall	Discharge:	A01-0 EXCESS FLOW FROM EXCESS FLOW CLARIFIERS
Facility:	DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER		
Facility Location:	5003 WALNUT AVENUE DOWNERS GROVE, IL 60515		

### Report Dates & Status

Monitoring Period:	From 03/01/24 to 03/31/24	DMR Due Date:	04/25/24	Status:	NetDMR Validated
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### Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

### Principal Executive Officer

First Name:	Amy	Title:	General Manager	Telephone:	630-969-0664
Last Name:	Underwood				

### No Data Indicator (NODI)

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3			
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						=	48.4	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB	
					Permit Req.						Req Mon DAILY MX	19 - mg/L					
					Value NODI												
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	22.0	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB	
					Permit Req.						Req Mon DAILY MX	19 - mg/L					
					Value NODI												
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample						=	4.92	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						=	1.23	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												
82220	Flow, total	1 - Effluent Gross	0	--	Sample		=	8.83	80 - Mgal/mo					0	DL/DS - Daily When Discharging	CN - CONTIN	
					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

2 days of discharge. Event 1: 3/9/24, discharging for 6.3 hours. 1.13 inches of rain over 18 hours. B01 flow rate at A01 start time: 17,401 gpm. Event 2: 3/10/24, discharging for 17.8 hours. Continuation of 3/9/24 discharge. B01 flow rate at A01 start time: 16,742 gpm.

### Attachments

No attachments.

### Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry  
 Name: Dorrance Berry  
 E-Mail: rberry@dgsd.org  
 Date/Time: 2024-04-10 15:09 (Time Zone: -05:00)

### Report Last Signed By

User: reeseberry  
 Name: Dorrance Berry  
 E-Mail: rberry@dgsd.org  
 Date/Time: 2024-04-10 15:38 (Time Zone: -05:00)

DMR Copy of Record

<b>Permit</b>			
Permit #:	IL0028380	Permittee:	DOWNERS GROVE SANITARY DISTRICT
Major:	Yes	Permittee Address:	2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515
Permitted Feature:	B01 External Outfall	Discharge:	B01-0 MIXING CHAMBER DISCHARGE TO THE E BRANCH DUPAGE RVR
Facility:	DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER		
Facility Location:	5003 WALNUT AVENUE DOWNERS GROVE, IL 60515		

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 03/01/24 to 03/31/24	DMR Due Date:	04/25/24
Status:	NetDMR Validated		

Considerations for Form Completion  
W0430300002 ; DMF LOAD LIMITS DISPLAYED.

<b>Principal Executive Officer</b>			
First Name:	Amy	Title:	General Manager
Last Name:	Underwood	Telephone:	630-969-0664

No Data Indicator (NODI)  
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type				
					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						=	55.6				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	0	--	Sample						=	8.2			=	7.1	19 - mg/L	0	03/DW - 3 Days Every Week	GR - GRAB	
					Permit Req.						>=	6.0 MN WK AV	>=	5.0 DAILY MN	19 - mg/L	02/DA - 2 Days Every Week	GR - GRAB				
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.0			=	7.4	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										=	122.0	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	=	127.13	=	432.43	26 - lb/d			=	1.2	=	3.0	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										=	10.5	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	2	--	Sample	=	27.14	=	80.75	26 - lb/d			=	0.25	=	0.73	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS	
					Permit Req.	<=	734.0 MO AVG	<=	1468.0 DAILY MX	26 - lb/d			<=	4.0 MO AVG	<=	8.0 DAILY MX	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS	
					Value NODI																
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample										=	1.1	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
					Permit Req.												Req Mon DAILY MX		19 - mg/L	01/30 - Monthly	CP - COMPOS
					Value NODI																
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample										=	9.36	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																

CP -

00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	2.18	=	3.14	19 - mg/L	0	08/30 - Eight Every Month	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	=	1.94	=	1.94	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				219.0	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							
					Permit Req.							<=	10.0 MAXIMUM	23 - %				
					Value NODI									9 - Conditional Monitoring - Not Required This Period				
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	12.24	=	21.39	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					=	0.037	19 - mg/L	CL/OC - Chlorination/Occurances	GR - GRAB				
					Permit Req.						<=	0.038 DAILY MX	19 - mg/L	0	CL/OC - Chlorination/Occurances	GR - GRAB		
					Value NODI													
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	180.15	=	389.19	26 - lb/d	0	04/07 - Four Per Week	CP - COMPOS					
					Permit Req.	<=	1835.0 MO AVG	<=	3670.0 DAILY MX	26 - lb/d		<=	10.0 MO AVG	<=	20.0 DAILY MX	19 - mg/L	02/DA - 2 Days Every Week	CP - COMPOS
					Value NODI													

**Submission Note**

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

**Edit Check Errors**

No errors.

**Comments**

**Attachments**

No attachments.

**Report Last Saved By**

**DOWNERS GROVE SANITARY DISTRICT**

User: reeseberry  
 Name: Dorrance Berry  
 E-Mail: rberry@dgsd.org  
 Date/Time: 2024-04-10 15:14 (Time Zone: -05:00)

**Report Last Signed By**

User: reeseberry  
 Name: Dorrance Berry  
 E-Mail: rberry@dgsd.org  
 Date/Time: 2024-04-10 15:38 (Time Zone: -05:00)

## DMR Copy of Record

<b>Permit</b>			
Permit #:	IL0028380	Permittee:	DOWNERS GROVE SANITARY DISTRICT
Major:	Yes	Permittee Address:	2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515
Permitted Feature:	C01 External Outfall	Discharge:	C01-0 EXCESS FLOW FROM INTERMEDIATE CLARIFIER #1
Facility:	DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER		
Facility Location:	5003 WALNUT AVENUE DOWNERS GROVE, IL 60515		

### Report Dates & Status

Monitoring Period:	From 03/01/24 to 03/31/24	DMR Due Date:	04/25/24	Status:	NetDMR Validated
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### Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

### Principal Executive Officer

First Name:	Amy	Title:	General Manager	Telephone:	630-969-0664
Last Name:	Underwood				

### No Data Indicator (NODI)

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type			
					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: 2024-04-10 15:14 (Time Zone: -05:00)

### Report Last Signed By

User: reeseberry  
 Name: Dorrance Berry  
 E-Mail: rberry@dgsd.org  
 Date/Time: 2024-04-10 15:38 (Time Zone: -05:00)



**DMR Copy of Record**

**Permit**

<b>Permit #:</b>	<b>IL0028380</b>	<b>Permittee:</b>	DOWNERS GROVE SANITARY DISTRICT	<b>Facility:</b>	DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER
<b>Major:</b>	Yes	<b>Permittee Address:</b>	2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515	<b>Facility Location:</b>	5003 WALNUT AVENUE DOWNERS GROVE, IL 60515
<b>Permitted Feature:</b>	INF Influent Structure	<b>Discharge:</b>	<b>INF-L</b> INFLUENT MONITORING		

**Report Dates & Status**

<b>Monitoring Period:</b>	<b>From 03/01/24 to 03/31/24</b>	<b>DMR Due Date:</b>	<b>04/25/24</b>	<b>Status:</b>	<b>NetDMR Validated</b>
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**Considerations for Form Completion**

W0430300002

**Principal Executive Officer**

<b>First Name:</b>	Amy	<b>Title:</b>	General Manager	<b>Telephone:</b>	630-969-0664
<b>Last Name:</b>	Underwood				

**No Data Indicator (NODI)**

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type	
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample						=	207.0			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
					Permit Req.										19 - mg/L			
					Value NODI													
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	157.0			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
					Permit Req.										19 - mg/L			
					Value NODI													
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample						=	25.5		19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
					Permit Req.													19 - mg/L
					Value NODI													
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample						=	4.28		19 - mg/L	0	04/30 - Four Per Month	CP - COMPOS	
					Permit Req.													19 - mg/L
					Value NODI													
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	12.26	=	23.05	03 - MGD						0	99/99 - Continuous	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								
					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: 2024-04-10 15:21 (Time Zone: -05:00)

**Report Last Signed By**

User: reeseberry  
 Name: Dorrance Berry  
 E-Mail: rberry@dgsd.org  
 Date/Time: 2024-04-10 15:38 (Time Zone: -05:00)

# DOWNERS GROVE SANITARY DISTRICT

## M E M O

TO: Amy Underwood, General Manager

FROM: Nick Whitefleet, Maintenance Supervisor

DATE: April 10th, 2024

SUBJECT: March 2024 Maintenance Report

Attached is a work order summary detailing equipment repair and preventive maintenance activities conducted by the maintenance department during March 2024.

Special projects in March included:

### **Raw Sewage Pump # 5 Discharge Check Valve Overhaul**

The 20" discharge check valve for raw sewage pump 5 had become very noisy while the pump was in operation. Maintenance staff investigated and found that the flapper portion of the valve had excessive wear and was the source of the vibration and noise of the valve. District mechanics replaced the flapper assembly with a spare from stock and procured the rest of the parts to complete the overhaul and to have enough on hand to perform another rebuild when the need arises. The total cost of this overhaul (including the spare parts to perform a second overhaul) was \$4,721.

### **Annual Generator Preventative Maintenance**

Altorfer Power Systems performed a 53-point inspection and maintenance on all lift station stationary generators (8), excluding the new Centex generator, plant generators (3), portable generators (3), and administration center generator (1). In addition to this, some of the equipment's batteries were replaced, automatic transfer switches maintained, and load bank tests performed based on the recommended intervals for such additional items. Additional repairs suggested by Altorfer Power Systems are being reviewed by the District to determine what needs to be performed and whether the repairs will be handled by the District or outsourced to Altorfer Power Systems in the near future. These services were budgeted for and appear to be at the anticipated costs.

### **Walnut Tree Pruning**

The District's "grove" of walnut trees planted in 2014 was due for pruning to maintain our investment in the tree stand's viability for future use as sawlog or veneer quality lumber. Davey Tree Services performed the pruning this year as we felt their expertise would best correct the notable discrepancies in pruning methods performed in the past. The total cost to prune all 220 trees was \$6400.

### **Hypochlorite Building Bulk Mixing City Water Connection**

Due to the District's OSEC hypochlorite generator reaching the end of its useful life, the operations department plans to make batches of sodium hypochlorite for process disinfection. This is essentially taking bulk sodium hypochlorite at a concentration of approximately 15% and reducing to a concentration of .8%. Previous use of plant effluent (as the system is currently configured) for makeup water resulted in pipes and related components developing significant build-up requiring regular maintenance to clear or replace the clogged piping. It is believed that using potable city water for this process will eliminate the constant buildup issues the District has experienced. The budget for this project was \$10,000. These plans included installing all new piping and purchasing an additional pressure reducing control valve. I'm pleased to report that lead mechanic Bill Smith completed the city water connection to the bulk mixing system at the total cost of \$61. Bill was able to utilize existing abandoned piping for much of the project and connected it into the existing pressure reducing control valve, significantly reducing the cost of this project.

### **CHP System – Units 1&2 Operation Update**

The District and Nissen came to a mutually agreeable outcome for the four (4) outstanding invoices going back to the Fall of 2022 through the Fall of 2023. The original sum of the four (4) invoices from that period was \$30,773. The agreed amount to be paid for the four (4) invoices was reduced to \$9,443.

**CHP 1:** CHP 1 required two (2) unplanned shutdowns for repair during the month of March. The undervoltage coil that is a component of the main circuit breaker for the CHP failed and required replacement. This is a small safety device in the main circuit breaker that keeps the breaker open if it senses a discrepancy in utility voltage. The District had a spare coil, so downtime was brief. The second unplanned shutdown was due to a failed ignition pickup sensor. This sensor was not on hand and took several days for the part to arrive. Aside from these periods of downtime the engine performed as expected.

**CHP 2:** CHP 2 has been operating as expected throughout the month of March.

### **Centex Lift Station Replacement Update:**

The punch list items are currently being addressed by the general contractor. Landscape restoration plans have been approved by the Village of Downers Grove. The District is working with the general contractor on the final scope of work for the restoration.

### **Procurement:**

Breuer Metal Craftsman \$16,450. Aluminum Railing for Primary Effluent Channel.

cc: AES, JMW, ME, KJR, RTJ, MJS, CS, DM

# Work Order Summary

Work Order Completion Dates from 3/1/2024 to 3/29/2024

Work Assignment	Completion Date	Equipment	NOTATIONS
12 Month/10,000 Mile Synthetic Oil Change (2015 Transit) # 328 (Gray)	01-Mar-24	2015 Ford Transit Connect XL	72,186 miles. Changed oil and oil filter. Used synthetic motor oil. Rotated tires.
Monthly Fire Extinguishers Inspection		5006 Walnut Eqpmnt Strge Bldg Administration Center Bar Screen Building Belt Filter Press Building Bisulfite Building Blower Building Digester 1 and 2 Control Bldg Digester 3 Control Building Digester 4 - 5 Control Buildg Emergency Generator Building Excess Flow Pump Station Excess Flow Sludge Pump 1 Excess Flow Sludge Pump House Filter Building Grit Building Hypochlorite Feed Blg Interm Clarifier Sludge Bldg Laboratory Maintenance Services Building Microstrainer Building Operations Center	
6 Month Oil Change On Bearings X'cess Flow Sludge Pump #1& #2		Excess Flow Sludge Pump 1	
Monthly Fire Extinguishers Inspection		Excess Flow Sludge Pump House Filter Building Grit Building Hypochlorite Feed Blg Interm Clarifier Sludge Bldg Laboratory Maintenance Services Building Microstrainer Building Operations Center	
Overhaul failing check valve		Raw Sewage Pump 5	Flapper assy. worn out, replaced with new from stock. Also purchased and replaced: shaft,inner&outer bushings, seal assy, hardware & gaskets.
Monthly Fire Extinguishers Inspection		Raw Sewage Pump Station System Garage	
21,420 Hours Change ignition wires with upgrade.	04-Mar-24	CHP Engine Genset #1	Replaced ignition wires with new model. Cleaned, gapped, and reinstalled Mann spark plugs.
Broken drive belt		Grit Classifier 1	Replaced drive belt with new on grit classifier #1.
Replace Birdcage with new, Check valve leaks	05-Mar-24	Wroble Lift Station	Replaced birdcage / level transducer with new due to existing's failure. Tightened packing on check valves and reattached pump 1 discharge valve operator.
Lubricate skid steer and attachment mechanisim	06-Mar-24	2019 Skid Steer	

<b>Work Assignment</b>	<b>Completion Date</b>	<b>Equipment</b>	<b>NOTATIONS</b>
Clear downed tree limbs on North and West sides of building		Administration Center	Removed fallen limbs from trees on North and West sides of admin. center. Trimmed low suckers off maples on North side of building.
21,242 hours. Replace building ventilation filters		CHP Engine Genset #1	Replaced building ventilation filters with new. Half from stock, half purchased from Nissen.
32,629 hours Change Oil & Filters		CHP Engine Genset #2	32,629 engine hours. Changes oil and filters. Took oil sample and sent for analysis. Sample ID# IND-71993.
Prune Walnut Trees to Timber Spec.		WWTC Landscaping	Davey tree service, 3 person crew 8 hours, then 2 person crew 8 hours at a total cost of \$6400 trimmed all trees to timber specifications.
By-Weekly Fluid and Misc. Check of Generators	07-Mar-24	Emergency Generator 1 Emergency Generator 2 Emergency Generator 3	
Replace all drive chains and set tension	08-Mar-24	Excess Flow Clarifier 1 Excess Flow Clarifier 2 Excess Flow Clarifier 3 Excess Flow Clarifier 4	Replaced roller chain and adjusted tension for taveling bridge drive.
ANNUAL SERVICE ON TOYOTA FORK LIFT	11-Mar-24	2016 Toyota Forklift	Performed all service items listed in O&M manual for annual service. Replaced the following filters with new from stock: air, oil, transmission fluid, and hydraulic fluid. Ordered replacement items from Amazon for stock.
Check HVAC filters upper & lower levels - Replace as needed		Hobson Lift Station	Replaced station control buliding filters (20 and dry well hvac filter (1) with new from stock.
Passenger side front tire low pressure	12-Mar-24	2021 Ford F150 4x2	Found nail in tire, removed and plugged with on-hand supplies.
Exercising of secondaries 1 and 2 influent gates		Secondary Clarifier 1 Secondary Clarifier 2	
Change Oil On Gear Reducers For Belt Press Unit & Conveyors	13-Mar-24	Belt Filter Press Belt Press Sludge Conveyor	
21,389 hours. Replace undervoltage coil		CHP Engine Genset #1	Replaced failed undervoltage coil with new from stock. Ordered replacement for stock.
Replace transformer in submersible pump control cabinet		Curtiss St Lgn Drain Pump Sys	Replaced failed transformer in pump control cabinet with new transformer from stock.
Investigate trouble code, replace sensor	14-Mar-24	2019 Skid Steer	Investigate trouble code, replaced fuel filter and fuel bowl sensor with new.
Bi-Monthly check of all ladders		Belt Filter Press Building Bisulfite Building Blower Building CHP Engine Genset #2 Digester 3 Control Building Digester 4 - 5 Control Buildg Excess Flow Pump Station Excess Flow Sludge Pump House Filter Building	

Work Assignment	Completion Date	Equipment	NOTATIONS
		Hypochlorite Feed Blg Maintenance Services Building Microstrainer Building Operations Center System Garage	
REPLACE OIL ABSORBENT PADS IN GREASE CABINET	15-Mar-24	Administration Center	
21,426 hours. Engine won't run. Replace ignition pickup.		CHP Engine Genset #1	Troubleshooting of igniton system led to discovery of failed ignition pickup sensor. Replaced pick up with new.
Monthly Liquid Status of Under Ground Diesel Tank		Emerg Gen Diesel Storage Tank	
Inspect drywell access elevator		Hobson Lift Station	American Hoist & Manlift performed an inspection of the elevator and will provide proposal for repairs.
Exercise both 24" primary influent ratio valves		Tunnel From PS to Grit  Tunnel/Chan Primary Clarifiers	
Install City water connection for bulk mixing	18-Mar-24	Hypochlorite Feed Blg	Connected existing city water line to existng effluent drain line to bulk mixing pump assemblies. Cleaned pressure reducer valve assembly and tested system.
Exercise Of EBARA and Excess Pumps	20-Mar-24	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	
EXERCISING OF EXCESS RAW SEWAGE VALVING	21-Mar-24	Excess Flow Pump 06  Excess Flow Pump 07 Excess Flow Pump 08 Excess Flow Pump 09	
Install Aluminum railing & Grates at RAS Channel		RAS Sludge Division Box 2	Installed aluminum railing on both sides of RAS channel. Replaced existing aluminum grating with new. Moved existng conduit over to allow railing installation.
3 MONTH OIL CHANGE-GRIT BLOWER #3- KAESER	22-Mar-24	Grit Blower 3 Kaeser	
3 Month Oil Change On Int. Draw-off Valves compressor		Interm Clarifier Sludge Bldg	
2000 Hour Grease of Plant Effluent Pumps		Plant Effluent Water Pump #2	
Annual PM w/ oil samples and battery replacement	25-Mar-24	Emergency Generator 1  Emergency Generator 2	Altorfer performed the annual Gold PM. This includes quarterly oil analysis. Both batteries were replaced with new. Altorfer performed the annual gold PM on the engine genset which includes quarterly oil samples. Both batteries were replaced at service.
Grease Raw Sewage And Excess Flow Pumps		Excess Flow Pump 06  Excess Flow Pump 07 Excess Flow Pump 08	

Work Assignment	Completion Date	Equipment	NOTATIONS
		Excess Flow Pump 09	
		Raw Sewage Pump 1	
		Raw Sewage Pump 2	
		Raw Sewage Pump 3	
		Raw Sewage Pump 4	
		Raw Sewage Pump 5	
Annual PM w/ oil samples and battery replacement	26-Mar-24	Emergency Generator 3	Altorfer performed the annual gold advantage service including quarterly oil samples/ analysis. Both batteries were replaced at service.
3 Month Oil Change Blower #4	27-Mar-24	Aeration Blower 04	
Annual PM w/ battery replacement & Load Bank		Hobson Stationary Generator	Altorfer performed the annual PM on the engine genset. This included both batteries being replaced and a load bank test.
Six Month Oil Change Change Sand Filter's #3 & #4	28-Mar-24	Filter 3	
		Filter 4	
Six Month Oil Change Change Sand Filter's #5 & #6		Filter 5	
		Filter 6	
Annual PM, Batteries, Load Bank, ATS		Venard Stationary Generator	Altorfer performed the annual gold advantage PM on engine Genset. In addition the ATS was serviced, batteries replaced, and a load bank test was conducted.
Install Factory shear pins on traveling Bridge Drive	29-Mar-24	Excess Flow Clarifier 1	Replaced aluminum shear pins with Factory designed aluminum shear pins.
		Excess Flow Clarifier 2	
		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	
Replace failed hopper level sensor		WAS Volute Thickener	TWAS Hopper assy. Replaced ultrasonic level sensor and cordset with new from stock. Ordered parts for stock.

**DOWNERS GROVE SANITARY DISTRICT**  
M E M O

DATE: April 5, 2024

TO: Amy Underwood  
General Manager

FROM: Todd Freer  
Sewer System Maintenance Supervisor

RE: Monthly Report – March 2024

1.

<b>JULIE Line Markings:</b>	<b>Current</b>	<b>Year to Date</b>
Received	968	2174
In District	941	2122
Marked	310	827
Man Hours	86.5	297.3

2.

<b>Building Service:</b>	<b>Current</b>	<b>Year to Date</b>
BSSRAP TV Inspections	17	51
Emergency BSSRAP Repairs	10	37
Total BSSRAP Repairs	16	56
I&I Inspections	5	15
I&I C.O. Inspections	0	0
Replace Broken Cleanout Caps	0	0
OHSP TV Inspections	0	1
Post Rodding TV	10	21

3.

<b>Sewer Back-Ups:</b>	<b>Current</b>	<b>Year to Date</b>
Public Sewer	0	1
Private Sewer	17	62
Surcharged Main	0	0
Pump Station	0	0
Total	17	63

4.

	<b>Current</b>	<b>Year to Date</b>
Sewer Cleaning (DGSD Personnel):	0	0.
a. Sewer Cleaning (Outside Contractors)	26,725	34,451 Ft.

5.

Main Sewer Televising (DGSD personnel)	346	866 Ft.
a. Sewer Televising (Outside Contractors)	0	3940 Ft.



6.

	<b>Current</b>	<b>Year to Date</b>
LETS TV	0	0

7.

Manhole Inspections	0	143
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8.

Congratulations to Brandon Morris as he has completed the last requirement for long-term employment by obtaining his commercial driver's license. His 6-month anniversary is April 9<sup>th</sup>.

**CC:** AES, JMW, KJR, RTJ, MJS, DM, CS, KWS, ME

**DOWNERS GROVE SANITARY DISTRICT**  
**M E M O**

DATE: April 1, 2024

TO: Amy R. Underwood  
General Manager

FROM: Keith Shaffner  
Sewer Construction Supervisor

RE: Monthly Report: Sewer Construction \ Code Enforcement – March 2024

1. Permits issued:	Current	Year to Date
a. Single family	5	10
b. Multiple family	0	0
c. Commercial	2	4
d. Repair	2	3
e. Disconnection	<u>5</u>	<u>8</u>
Total	14	25

2. Inspections made:	Current	Year to Date
a. Connections	7	13
b. Finals	2	8
c. Repairs	1	3
d. Disconnects	5	7
f. Walk-Thru	0	0
g. Pre-connections	0	1
h. Overhead Sewer Program	0	0
i. Code Enforcement	0	1
j. Lateral testing	<u>4</u>	<u>5</u>
Total	20	38

3. New Sewer Extension Construction:

1042 Norfolk Sewer Extension

4. New Sewer Extension Testing - air, deflection, manhole, and televising:

1042 Norfolk Sewer Main Extension Testing

5. Code Enforcement:

None

6. Plan & Permit Reviews:
  - a. 555 31st – Commercial Review
  - b. 4712 Montgomery – Single Family Home
  - c. 4937 Middaugh – Single Family Home
  - d. 408 Fairway – Single Family Home
  - e. 6026 Fairview – Single Family Home
  - f. 1042 Norfolk – Septic Conversion
  - g. 5346 Grand - Repair Permit Review
  - h. 5625 Middaugh – Repair Permit Review

7. Building Sanitary Service Access Agreements:

- a. 1027 Oxford – Downers Grove
- b. 1042 Norfolk – Downers Grove
- c. 6026 Fairview – Downers Grove
- d. 4937 Middaugh – Downers Grove

8. Illinois EPA Permits:

None

9. Miscellaneous:

Visu-Sewer has been working on the Curtiss Street Trunk Line Rehabilitation. The lining for the project has been completed and approved. They are beginning the restoration as of April 1<sup>st</sup>.

CC: AES, JMW, ME, KJR, RTJ, MJS, TF, CS & DM

# Permits Issued: MARCH 2024

YEAR	PERMIT #	ADDRESS	STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2024	91	1027	OXFORD	DG	3/5/2024	SF	\$3,762.50	\$260.00
2024	15	4937	MIDDAUGH	DG	3/7/2024	DISCON		
2024	14	4407	HIGHLAND	DG	3/7/2024	DISCON		
2024	13	5346	GRAND	DG	3/7/2024	REPAIR		
2024	18	4444	DOWNERS	DG	3/11/2024	DISCON		
2024	12	1042	NORFOLK	DG	3/12/2024	SF-SC	\$3,762.50	\$260.00
2024	16	4435	MIDDAUGH	DG	3/13/2024	COM		\$1,293.00
2024	17	635	59TH	DG	3/13/2024	COM		\$431.00
2024	29	4926	STONEWALL	DG	3/14/2024	DISCON		
2024	21	4937	MIDDAUGH	DG	3/19/2024	SF-RB		\$260.00
2024	25	5625	MIDDAUGH	DG	3/20/2024	REPAIR		
2024	22	6026	FAIRVIEW	DG	3/21/2024	SF	\$3,762.50	\$260.00
2024	23	4712	MONTGOMERY	DG	3/22/2024	SF-RB		\$260.00
2024	29	5610	LYMAN	DG	3/26/2024	DISCON		
<b>TOTAL:</b>							<b>\$11,287.50</b>	<b>\$3,024.00</b>

# Permit Final Inspections: MARCH 2024

<b>YEAR</b>	<b>PERMIT #</b>	<b>ADDRESS</b>	<b>STREET</b>	<b>CITY</b>	<b>FINAL</b>
2023	16	512	WILSON	DG	3/13/2024
2023	29	4816	MONTGOMERY	DG	3/21/2024

## Progress Report

To: Amy Underwood, General Manager  
From: Reese Berry, Laboratory Supervisor  
Date: April 10, 2024  
Re: March 2024 Laboratory Report

DGSD had 2 excess flow sampling events during March 2024. DGSD had no permit excursions in March.

### **Pretreatment:**

We are currently evaluating the Arrow Gear BMR/Industrial Permit application we received towards the end of March.

We are currently compiling data and working on the Annual Industrial Pretreatment Report due April 28, 2024.

We received notice of a new dentist location in Westmont, so we sent a Dental Amalgam Questionnaire to this new user. They have 90 days to comply with the USEPA Dental Amalgam Reporting Rule. I also sent a follow-up letter to a second user in Westmont, who didn't respond to the hand delivered letter. I will follow-up with both users to get them in compliance.

### **Surcharge:**

We are gearing up to begin sampling our surcharge customers for the 2024 season. I sent the finalized 2023 Surcharge sampling data to Adrienne Kasper, so she can update billing accounts. I've updated the sampling spreadsheet for 2024 and have set the sampling schedule for this sampling season.

### **Personnel:**

I attended the IAWPCO Conference in Peoria, IL from March 18<sup>th</sup>-21<sup>st</sup>. I was able to sit in on industry specific talks and some general environmental protection discussions, which were helpful.

Stephanie Cioni and I attended a Pretreatment Seminar hosted by Baxter & Woodman on March 14<sup>th</sup>. I also presented at this conference on March 12<sup>th</sup> and 14<sup>th</sup>.

### **Biosolids:**

We completed Class A Biosolids sampling in March with all data well below acceptable concentration limits.

C: AES, JMW, ME, KJR, RTJ, MJS, CSS, DM

To: Board of Trustees  
From: Amy Underwood  
Re: Engineering Report for March 2024  
Date: April 12, 2024

A summary of the status of several projects is provided below.

## **I. Planning Projects & Studies**

### **A. Biosolids Processing Improvements**

Baxter & Woodman (B&W) evaluated the District's existing solids processing and met with District staff on December 21 to discuss their findings. B&W suspects that the District may be overloading Digester 4 with grease. The District sampled the digester to determine whether B&W's suspicion is correct. The District is going to collect another set of samples to verify that the results are consistent.

### **B. WWTC & Lift Station Code Walk-Through**

The District is in the process of doing a final review of the report.

## **II. Design Projects**

### **A. Venard Force Main Replacement**

The project was advertised for bids on April 4. Bids will be opened on April 29.

### **B. Radio Enhancement**

Chicago Communications was the only company which submitted qualifications in response to the District's Request for Qualifications. They were one of the companies suggested by the Downers Grove Fire Department. District staff decided to proceed as Chicago Communications is highly qualified to perform this work.

## **III. Construction Projects**

### **A. Centex Lift Station Replacement**

No pay request was included in the Claim Ordinance this month. Please refer to the Maintenance monthly report for more information.

### **B. Outfall 001 Sanitary Sewer Repair**

Archon Construction submitted Pay Request #2 this month for work completed through December 2023. A summary is provided on the next page. This payment request and Pay Request #1 will be submitted to DuPage County for partial reimbursement through the LARPA program.

A	Original Contract Sum	A		\$805,092.00
B	Net Change by Change Orders to Date	B	+	\$0.00
C	Contract Sum to Date	A+B = C		<u>\$805,092.00</u>

D	Total Completed and Stored to Date	D		\$585,391.78
E	Retainage	E	-	\$58,539.18
F	Total Earned Less Retainage	D-E= F		<u>\$526,852.60</u>

G	Less Previous Certificates for Payment	Previous Payments	-	\$189,189.25
H	<b>Current Payment Due</b>	<b>F-G= H</b>		<u><b>\$337,663.35</b></u>

I	Balance to Finish, including Retainage	C-F=I		\$278,239.40
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Restoration is expected to be completed in the Spring.

### C. Curtiss Street Sewer Lining

Visu-Sewer submitted Pay Request #3 this month for work completed in March. A summary is provided on the next page. This payment request will be submitted to EPA for partial reimbursement through the Community Grant Funding program.



A	Original Contract Sum	A	\$1,886,180.00
B	Net Change by Change Orders to Date	B	- \$94,100.00
C	Contract Sum to Date	A+B = C	<u>\$1,792,080.00</u>
D	Total Completed and Stored to Date	D	\$1,746,764.00
E	Retainage	E	- \$174,676.40
F	Total Earned Less Retainage	D-E= F	<u>\$1,572,087.60</u>
G	Less Previous Certificates for Payment	Previous Payments	- \$940,503.60
H	<b>Current Payment Due</b>	<b>F-G= H</b>	<u><b>\$631,584.00</b></u>
I	Balance to Finish, including Retainage	C-F=I	\$219,992.40

Please refer to the Sewer Construction monthly report for more information.

**D. SCADA Platform Replacement (Ignition)**

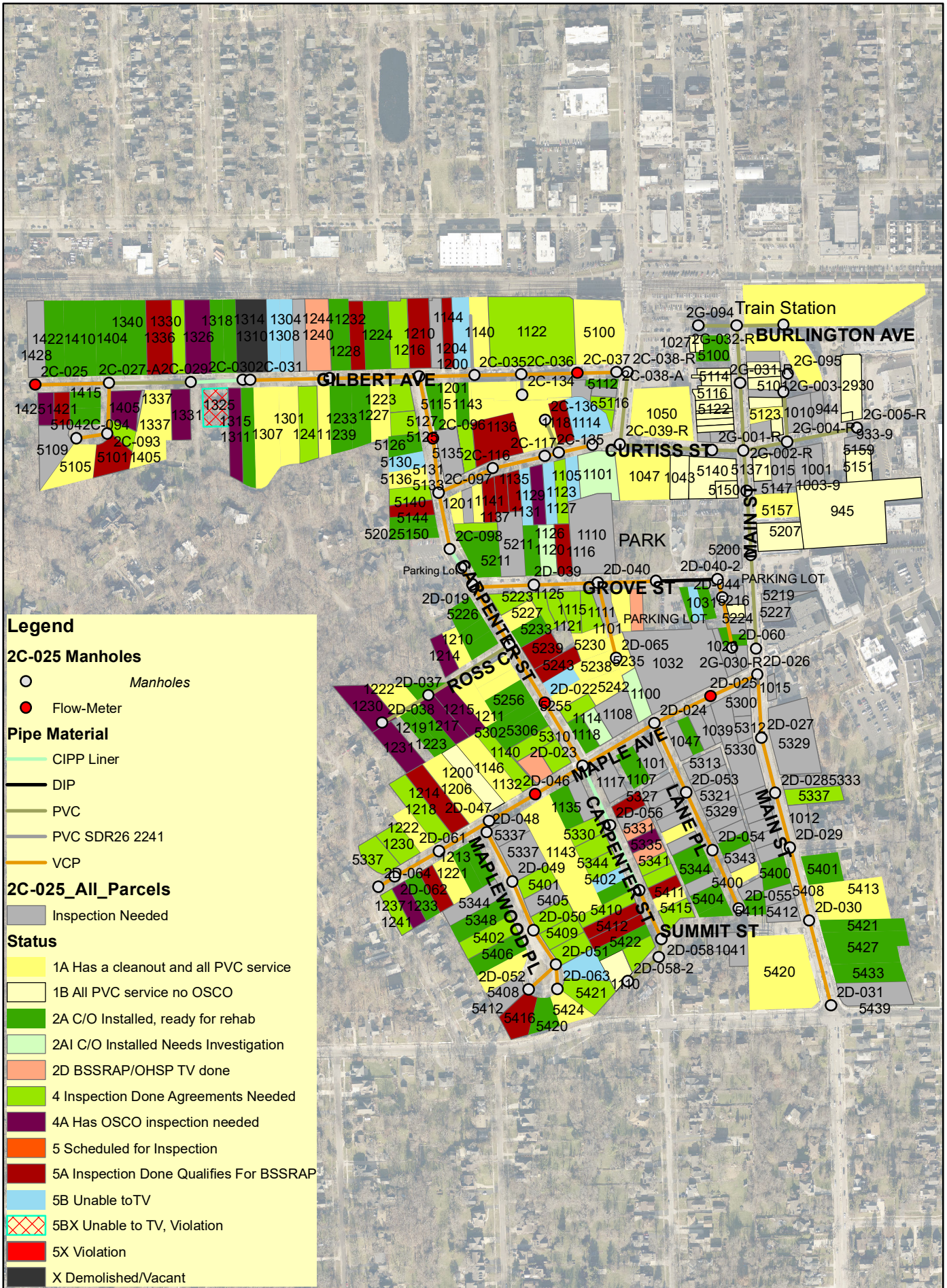
A payment request from Concentric for this project is included in the March Claim Ordinance.

	<u>FYE 24</u>	<u>Total (FYE24 &amp; 25)</u>
Engineer's Fee	\$160,000.00	\$236,300.00
Total Completed to Date	\$134,504.51	\$134,504.51
Less Previous Payments	<u>-\$127,007.27</u>	<u>-\$127,007.27</u>
Current Payment Due	<u>\$ 7,497.24</u>	<u>\$ 7,437.24</u>
Remaining	\$25,495.49	\$101,795.49

Concentric has completed most of the screens for the WWTC. Staff review of the screens is ongoing.

C: BOLI, CS, DM

# 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	50	17%
1B	Y	Y	N	N	N	N/A	27	9%
2A	Y	Y	Y	Y	Y	N	45	16%
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	41	14%
4A	N	N	N	N	N/A	N	13	5%
5	Y	N	N	N	N	N	0	0%
5A	Y	Y	N	N	N	N	27	9%
5AX	Y	Y	N	N	N	N	0	0%
5B	Y	N	N	N	N	N	12	4%
5BX	Y	N	N	N	N	N	1	1%
0	N	N	N	N	N	N	62	22%
X	-	-	-	-	-	-	2	1%
5X	-	-	-	-	-	-	0	0%
							<u>288</u>	<u>100%</u>

**Category Description:**

27% 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

2023 Basin I&I Ranking = 9

**DOWNERS GROVE SANITARY DISTRICT CASH BALANCES AND INVESTMENT SCHEDULE**

DATE 3/31/2024

**CASH BALANCES**

ACCOUNT NAME	ACCOUNT NUMBER	BALANCE PER BANK STATEMENT	PREVIOUS MONTH		
			TOTAL BALANCE PER BANK STATEMENTS	MONTHLY EARNINGS CREDIT	EARNINGS CREDIT PERCENTAGE
DEPOSIT	XXXXXXXXXX1116	\$1,321,397.67			
DISBURSEMENT	XXXXXXXXXX1111	190,052.30			
FLEXIBLE BENEFITS	XXXXXXXXXX6025	9,468.97			
PAYROLL	XXXXXXXXXX1117	223,627.26			
PETTY CASH	XXXXXXXXXX1112	4,469.80			
USER REFUNDS	XXXXXXXXXX1114	5,442.86			
<b>TOTAL - CASH AT BANK</b>		<b>\$1,754,458.86</b>	<b>\$2,498,152.50</b>	<b>\$2,553.26</b>	<b>0.1022%</b>

**INVESTMENTS**

TYPE	FINANCIAL INSTITUTION	TERM	MATURITY	AMOUNT	ANNUAL INT. RATE	GENERAL CORPORATE FUND (01)	IMPROVEMENT FUND (02)	CONSTRUCTION FUND (03)	PUBLIC BENEFIT FUND (05)	SEWER EXTENSION FUND (71)	INTEREST EARNED AT MATURITY
CD	LISLE SAVINGS BANK	ONGOING	5/18/2024	\$249,000.00	5.260%	\$249,000.00					\$13,097.40
CD	TRISTATE CAPITAL BANK	ONGOING	8/9/2024	\$250,000.00	5.470%			\$250,000.00			\$13,675.00
CD	EVERGREEN BANK GROUP	ONGOING	3/1/2025	\$250,000.00	4.850%	\$250,000.00					\$12,125.00
<b>TOTAL CDs</b>				<b>\$999,000.00</b>	<b>5.145%</b>	<b>\$749,000.00</b>	<b>\$0.00</b>	<b>\$250,000.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$51,397.40</b>

TYPE	FINANCIAL INSTITUTION	TERM	LAST ACTION DATE	AMOUNT*	CURRENT RATE OF RETURN	GENERAL CORPORATE FUND (01)	IMPROVEMENT FUND (02)	CONSTRUCTION FUND (03)	PUBLIC BENEFIT FUND (05)	SEWER EXTENSION FUND (71)	ESTIMATED ANNUAL RETURN
MM	LISLE SAVINGS BANK	ONGOING	11/10/2020	\$1,009.92	0.600%	\$1,009.92					\$6.06
MM	TRISTATE CAPITAL BANK	ONGOING	4/16/2021	\$11.91	3.230%			\$11.91			\$0.38
<b>TOTAL MM ACCOUNTS</b>				<b>\$254,014.32</b>	<b>5.231%</b>	<b>\$254,002.41</b>	<b>\$0.00</b>	<b>\$11.91</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$13,288.55</b>

<b>ILLINOIS FUNDS - MONEY MARKET</b>				<b>\$7,859,007.10</b>	<b>5.403%</b>	<b>\$5,870,118.65</b>	<b>\$897,688.87</b>	<b>\$1,091,199.58</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$424,622.15</b>
<b>TOTAL - ALL INVESTMENTS</b>				<b>\$9,112,021.42</b>	<b>5.370%</b>	<b>\$6,873,121.06</b>	<b>\$897,688.87</b>	<b>\$1,341,211.49</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$489,308.10</b>

**TOTAL CASH AND INVESTMENTS** \$10,866,480.28

\*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*



**General Manager**  
Amy R. Underwood, P.E.

**Legal Counsel**  
Daniel McCormick, P.C.

2710 Curtiss Street  
P.O. Box 1412  
Downers Grove, IL 60515-0703  
Phone: 630-969-0664  
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*Providing a Better Environment for South Central DuPage County*

## MEMORANDUM

To: Board of Trustees  
From: Amy R. Underwood, General Manager  
Date: April 12, 2024  
Subject: Treasurer's Report for March 2024

Attached please find the subject report that tracks income and expenses for the first eleven months of Fiscal Year 23-24.

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

Year-to-date	Income	Expenses
General Fund	\$ 10,231,222.67 (page 1)	\$ 9,597,356.89 (page 6)
Improvement Fund	\$ 838,194.03 (page 7)	\$ 694,109.22 (page 7)
Construction Fund	\$ 133,551.36 (page 8)	\$ 76,633.34 (page 9)
Public Benefit Fund	\$ 0.00 (page 10)	\$ 0.00 (page 10)
TOTAL	\$ 11,202,968.06	\$ 10,368,099.45

C: BOLI, DM, CS

=====

Fund number & Description	Ending Fund Balance
-----	
Fund 01 : GENERAL FUND	\$7,734,659.73
Fund 02 : IMPROVEMENT FUND	\$1,548,845.79
Fund 03 : CONSTRUCTION FUND	\$1,849,151.17
Fund 05 : PUBLIC BENEFIT FUND	\$37,817.83
Recap Totals	<hr/> \$11,170,474.52

TREASURER'S REPORT

DATE 04/09/24  
 FUND 01 GENERAL FUND

MONTH ENDED 03/31/24

PAGE 1

NUMBER	DESCRIPTION	COST	ACTUAL	BUDGET	ACTUAL-	BUDGET	ACTUAL-	VAR	TOTAL	
			CURRENT	CURRENT						BUDGET
			MONTH	MONTH	Y-T-D	Y-T-D				
=====										
DEPT 05	REVENUES									
3000	PROPERTY TAXES	.00	0	1,430,717.90-	1,403,700-	27,017.90-	1.9	1,403,700-		
3001	USER RECEIPTS	356,548.74-	377,057-	3,793,620.61-	3,674,590-	119,030.61-	3.2	3,959,800-		
3002	SURCHARGES	35,654.70-	39,802-	380,930.69-	387,893-	6,962.31	1.8-	418,000-		
3004	PLAN REVIEW FEES	.00	0	.00	500-	500.00	100.0-	500-		
3005	CONSTRUCTION INSPECTION FEES	.00	0	.00	500-	500.00	100.0-	500-		
3006	PERMIT INSPECTION FEES	3,024.00-	1,600-	16,388.00-	18,400-	2,012.00	10.9-	20,000-		
3007	INTEREST ON INVESTMENTS	31,420.51-	5,600-	375,548.34-	61,600-	313,948.34-	509.7	67,050-		
3013	SAMPLING AND MONITORING	11,776.15-	9,400-	114,183.82-	103,600-	10,583.82-	10.2	113,000-		
3014	REPLACEMENT TAXES	14,581.56-	10,300-	190,768.74-	98,000-	92,768.74-	94.7	120,000-		
3015	MISCELLANEOUS INCOME	380.00-	400-	3,766.86-	4,600-	833.14	18.1-	5,000-		
3016	SALE OF ELECTRICITY	.00	1,000-	.00	11,000-	11,000.00	100.0-	12,000-		
3020	SALE OF PROPERTY	.00	3,100-	14,087.00-	34,600-	20,513.00	59.3-	37,700-		
3021	TELEVISION INSPECTION	.00	0	.00	150-	150.00	100.0-	150-		
3023	PROPERTY LEASE PAYMENTS	3,288.81-	3,275-	35,775.64-	36,025-	249.36	.7-	39,300-		
3024	MONTHLY SERVICE FEES	430,933.23-	460,566-	4,460,219.55-	4,488,423-	28,203.45	.6-	4,836,800-		
3027	GREASE WASTE	9,324.00-	19,000-	167,193.10-	211,000-	43,806.90	20.8-	230,000-		
3035	INTERFUND TRANSFER	.00	0	800,000.00	800,000	.00	.0	800,000		
3040	RENEWABLE ENERGY CREDITS	22,888.80-	0	45,773.42-	18,000-	27,773.42-	154.3	24,000-		
3094	GRANTS AND INCENTIVES	.00	0	2,249.00-	1,589,881-	1,587,632.00	99.9-	1,589,881-		
=====										
DEPT 05	TOTALS			919,820.50-	931,100-10,231,222.67-11,342,462-	1,111,239.33	9.8-	12,077,381-		
=====										
FUND	REVENUE TOTAL			919,820.50-	931,100-10,231,222.67-11,342,462-	1,111,239.33	9.8-	12,077,381-		
=====										
DEPT 11	O & M EXPENSES - ADMINISTRATION									
SECT A	SALARIES AND WAGES									
A001	TRUSTEES	.00	0	18,000.00	18,000	.00	.0	18,000		
A002	BOLI	.00	0	.00	900	900.00-	100.0-	900		
A003	GENERAL MANAGEMENT	23,331.92	22,429	231,983.47	251,371	19,387.53-	7.7-	272,250		
A004	FINANCIAL RECORDS	17,564.08	19,715	227,458.61	243,670	16,211.39-	6.7-	254,450		
A005	ADMINISTRATIVE RECORDS	1,892.47	1,924	27,495.70	23,885	3,610.70	15.1	24,900		
A006	ENGINEERING	.00	328	1,598.40	4,079	2,480.60-	60.8-	4,250		
A007	CODE ENFORCEMENT	27,918.51	29,383	331,442.30	409,545	78,102.70-	19.1-	430,700		
A008	SAFETY ACTIVITIES	3,516.54	3,811	56,141.65	47,572	8,569.65	18.0	49,500		
A030	BUILDING AND GROUNDS	746.91	73	7,805.35	1,081	6,724.35	622.1	1,150		
=====										
SECT A	TOTALS			74,970.43	77,663	901,925.48	1,000,103	98,177.52-	9.8-	1,056,100
=====										
SECT B	OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY	876.59	325	3,300.99	5,175	1,874.01-	36.2-	5,500		
B101	NATURAL GAS	300.53	350	2,210.54	2,800	589.46-	21.1-	3,000		
B102	WATER, GARBAGE AND OTHER UTILITIES	58.56	190	555.10	1,250	694.90-	55.6-	1,250		
B110	BANK CHARGES	24.90	2,100	357.60	23,100	22,742.40-	98.5-	25,200		
B112	COMMUNICATION	1,830.52	2,400	23,900.88	26,400	2,499.12-	9.5-	28,000		
B113	EMERGENCY/SAFETY EQUIPMENT	4,527.66	4,450	19,839.58	19,350	489.58	2.5	20,450		
B115	EQUIPMENT/EQUIPMENT REPAIR	67,436.83	12,200	192,413.57	153,000	39,413.57	25.8	165,000		

TREASURER'S REPORT

DATE 04/09/24  
 FUND 01 GENERAL FUND

MONTH ENDED 03/31/24

PAGE 2

NUMBER	DESCRIPTION	COST	ACTUAL	BUDGET	ACTUAL-	ACTUAL-	VAR	TOTAL
			CURRENT	CURRENT				
			MONTH	MONTH	Y-T-D	Y-T-D	%	BUDGET
B116	SUPPLIES		1,085.95	600	8,345.35	6,600	26.4	7,000
B117	EMPLOYEE/DUTY COSTS		2,618.43	1,600	12,200.28	17,600	30.7-	19,000
B118	BUILDING AND GROUNDS		1,092.89	1,000	199,323.17	73,500	171.2	74,500
B119	POSTAGE		9.15	630	6,223.08	6,930	10.2-	7,550
B120	PRINTING/PHOTOGRAPHY		448.18	300	7,169.31	12,400	42.2-	12,700
B121	USER BILLING MATERIALS		6,176.89	7,000	77,076.03	81,000	4.8-	88,000
B124	CONTRACT SERVICES		18,163.51	14,000	99,841.81	154,000	35.2-	167,000
B137	MEMBERSHIPS/SUBSCRIPTIONS		.00	700	8,432.39	9,100	7.3-	9,500
SECT B TOTALS			104,650.59	47,845	661,189.68	592,205	11.7	633,650
SECT C VEHICLES								
C222	GAS/FUEL		175.51	200	1,673.06	3,000	44.2-	3,200
C225	OPERATION/REPAIR		42.95	0	617.00	2,600	76.3-	2,600
SECT C TOTALS			218.46	200	2,290.06	5,600	59.1-	5,800
DEPT 11 TOTALS			179,839.48	125,708	1,565,405.22	1,597,908	2.0-	1,695,550
DEPT 12 O & M EXPENSES - WWTC								
SECT A SALARIES AND WAGES								
A006	ENGINEERING		1,012.39	4,509	7,036.71	55,959	87.4-	58,350
A009	OPERATIONS MANAGEMENT		10,359.27	9,492	105,391.18	104,408	.9	113,900
A010	MAINTENANCE - BUDGET		.00	48,632	.00	663,040	3.5-	689,650
A011	MAINTENANCE - WWTC		25,378.94	0	422,397.93	0	.0	0
A012	MAINTENANCE - VEHICLES		.00	0	471.50	0	.0	0
A013	MAINTENANCE - ENERGY RECOVERY		665.66	0	11,500.11	0	.0	0
A014	MAINTENANCE - ELECTRICAL		15,779.58	0	205,178.24	0	.0	0
A020	WWTC - BUDGET		.00	47,350	.00	590,450	3.7-	614,600
A021	WWTC - OPERATIONS		28,723.29	0	388,043.55	0	.0	0
A022	WWTC - SLUDGE HANDLING		11,453.77	0	172,765.07	0	.0	0
A023	WWTC - ENERGY RECOVERY		621.00	0	7,633.96	0	.0	0
A030	BUILDING AND GROUNDS		8,221.33	9,089	92,543.38	114,433	19.1-	119,150
SECT A TOTALS			102,215.23	119,072	1,412,961.63	1,528,290	7.6-	1,595,650
SECT B OPERATIONS AND MAINTENANCE								
B100	ELECTRICITY		8,804.84	5,500	71,231.84	60,500	17.7	65,000
B101	NATURAL GAS		1,316.93	1,400	6,047.46	11,600	47.9-	12,500
B102	WATER, GARBAGE AND OTHER UTILITIES		2,585.47	4,000	38,177.44	38,500	.8-	40,550
B103	ODOR CONTROL		.00	200	2,087.06	3,100	32.7-	3,400
B104	FUEL - GENERATORS		.00	0	215.00	16,500	98.7-	16,500
B112	COMMUNICATION		1,567.39	2,000	21,144.44	25,600	17.4-	27,600
B113	EMERGENCY/SAFETY EQUIPMENT		1,042.67	2,700	29,306.87	32,700	10.4-	35,350
B116	SUPPLIES		2,236.20	2,700	24,348.50	30,050	19.0-	32,750
B117	EMPLOYEE/DUTY COSTS		1,903.52	2,500	25,768.07	28,600	9.9-	30,000
B124	CONTRACT SERVICES		.00	0	203,485.00	203,500	.0	203,500
B130	NPDES PERMIT FEES		.00	0	53,000.00	53,000	.0	53,000



TREASURER'S REPORT

DATE 04/09/24

MONTH ENDED 03/31/24

PAGE 3

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST		ACTUAL	BUDGET	ACTUAL-	VAR	TOTAL		
		CURRENT	CURRENT	MONTH	MONTH	BUDGET			BUDGET	
				Y-T-D	Y-T-D	VARIANCE	%	BUDGET		
B131	SLUDGE HAULING/DISPOSAL SERVICES	.00	0	89,937.51	45,000	44,937.51	99.9	90,000		
B400	CHEMICALS - BUDGET	.00	10,550	.00	277,400	118,415.20-	42.7-	287,950		
B401	CHEMICALS - DISINFECTION	7,791.81	0	79,009.45	0	.00	.0	0		
B402	CHEMICALS - SLUDGE DEWATERING	12,533.76	0	51,731.34	0	.00	.0	0		
B403	CHEMICALS - TERTIARY TREATMENT	.00	0	6,732.00	0	.00	.0	0		
B404	CHEMICALS - OTHER	.00	0	21,512.01	0	.00	.0	0		
B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS	4,680.02	7,000	62,361.21	77,000	14,638.79-	19.0-	234,100		
B502	EQPT/EQPT REPAIR - DISINFECTION	60.48	2,400	7,124.95	28,900	21,775.05-	75.4-	31,300		
B503	EQPT/EQPT REPAIR - EXCESS FLOW	26,775.44	2,600	31,100.73	28,600	2,500.73	8.7	31,100		
B504	EQPT/EQPT REPAIR - GRIT REMOVAL	6.63	1,600	9,015.50	44,200	35,184.50-	79.6-	45,800		
B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	17,950.46	1,000	45,545.79	65,800	20,254.21-	30.8-	66,800		
B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	1,804.16	6,000	79,936.79	132,700	52,763.21-	39.8-	138,700		
B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	.00	4,800	56,030.86	102,600	46,569.14-	45.4-	107,400		
B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	124.16	450	1,154.26	4,950	3,795.74-	76.7-	5,400		
B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	48.27	2,250	34,821.47	24,750	10,071.47	40.7	27,000		
B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	22.06	5,550	169,874.14	235,750	65,875.86-	27.9-	241,300		
B511	EQPT/EQPT REPAIR - TERTIARY TREATMENT	.00	2,800	96,513.23	121,600	25,086.77-	20.6-	123,700		
B512	EQPT/EQPT REPAIR - WWTC GENERAL	1,668.05	3,700	50,027.96	65,800	15,772.04-	24.0-	68,700		
B513	EQPT/EQPT REPAIR - WWTC UTILITIES	19,946.06	20,000	354,157.96	712,000	357,842.04-	50.3-	729,950		
B801	BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOS	.00	333	10,231.99	3,667	6,564.99	179.0	4,000		
B802	BLDG AND GROUNDS - DISINFECTION	20.43	800	306.39	8,800	8,493.61-	96.5-	9,600		
B803	BLDG AND GROUNDS - EXCESS FLOW	.00	92	.00	1,012	1,012.00-	100.0-	1,100		
B804	BLDG AND GROUNDS - GRIT REMOVAL	.00	800	19,126.05	30,300	11,173.95-	36.9-	31,100		
B805	BLDG AND GROUNDS - INFLUENT PUMPING	154.40	700	17,989.46	7,400	10,589.46	143.1	8,100		
B806	BLDG AND GROUNDS - PRIMARY TREATMENT	.00	0	215.20	0	215.20	.0	0		
B807	BLDG AND GROUNDS - SECONDARY TREATMENT	.00	175	435.08	2,025	1,589.92-	78.5-	2,200		
B809	BLDG AND GROUNDS - SLUDGE DEWATERING	64.81	200	4,062.81	11,400	7,337.19-	64.4-	11,700		
B810	BLDG AND GROUNDS - SLUDGE DIGESTION	138.34	200	14,618.97	29,200	14,581.03-	49.9-	29,400		
B811	BLDG AND GROUNDS - TERTIARY TREATMENT	59.47	750	5,959.76	15,000	9,040.24-	60.3-	15,700		
B812	BLDG AND GROUNDS - WWTC GENERAL	4,374.94	11,750	162,817.96	239,650	76,832.04-	32.1-	247,150		
B813	BLDG AND GROUNDS - WWTC UTILITIES	191.96	225	624.77	2,475	1,850.23-	74.8-	2,700		
SECT B TOTALS				117,872.73	107,725	1,957,787.28	2,821,629	863,841.72-	30.6-	3,112,100
SECT C VEHICLES										
C222	GAS/FUEL	2,519.32	3,300	17,171.04	36,700	19,528.96-	53.2-	40,000		
C225	OPERATION/REPAIR	426.55	700	3,873.28	7,800	3,926.72-	50.3-	8,500		
C226	VEHICLE PURCHASES	.00	0	17,768.00	93,300	75,532.00-	81.0-	93,300		
SECT C TOTALS				2,945.87	4,000	38,812.32	137,800	98,987.68-	71.8-	141,800
DEPT 12 TOTALS				223,033.83	230,797	3,409,561.23	4,487,719	1,078,157.77-	24.0-	4,849,550
DEPT 13 O & M EXPENSES - LABORATORY										
SECT A SALARIES AND WAGES										
A009	OPERATIONS MANAGEMENT	7,638.49	6,954	65,042.27	76,496	11,453.73-	15.0-	83,450		
A040	LABORATORY - BUDGET	.00	14,764	.00	180,675	10,307.17	5.7	189,350		
A041	LAB - WWTC	11,306.31	0	145,897.58	0	.00	.0	0		

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NUMBER	DESCRIPTION	COST	ACTUAL	BUDGET	ACTUAL-	VAR	TOTAL
			CURRENT	CURRENT			
			MONTH	MONTH	Y-T-D	Y-T-D	BUDGET
							BUDGET
A042	LAB - PRETREATMENT		1,338.63	0	32,726.83	0	0
A043	LAB - SURCHARGE PROGRAM		642.22	0	7,759.19	0	0
A048	LAB - ENERGY RECOVERY		82.50	0	4,598.57	0	0
SECT A TOTALS			21,008.15	21,718	256,024.44	257,171	272,800
SECT B OPERATIONS AND MAINTENANCE							
B112	COMMUNICATION		219.12	300	2,691.91	3,700	4,000
B114	CHEMICALS		1,198.99	2,100	17,249.59	23,400	25,500
B115	EQUIPMENT/EQUIPMENT REPAIR		1,247.27	2,300	19,669.99	25,700	28,000
B116	SUPPLIES		390.84	2,000	15,412.40	24,900	25,900
B117	EMPLOYEE/DUTY COSTS		10.84	500	4,552.50	5,600	6,000
B122	MONITORING EQUIPMENT		547.47	0	547.47	5,500	5,500
B123	OUTSIDE LAB SERVICES		432.60	2,000	20,596.26	22,800	24,800
B124	CONTRACT SERVICES		6,232.58	0	31,951.59	0	0
SECT B TOTALS			10,279.71	9,200	112,671.71	111,600	119,700
SECT C VEHICLES							
C222	GAS/FUEL		99.02	50	788.45	850	900
C225	OPERATION/REPAIR		35.22	0	947.21	200	250
SECT C TOTALS			134.24	50	1,735.66	1,050	1,150
DEPT 13 TOTALS			31,422.10	30,968	370,431.81	369,821	393,650
DEPT 14 O & M EXPENSES - SEWER SYSTEM							
SECT A SALARIES AND WAGES							
A006	ENGINEERING		132.25	599	4,339.09	7,210	7,600
A050	SEWER MAINTENANCE - BUDGET		.00	21,095	.00	263,636	274,200
A051	SEWER MAINTENANCE		24,379.33	0	288,067.86	0	0
A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS		1,538.02	0	13,501.65	0	0
A060	INSPECTION - BUDGET		.00	18,744	.00	234,190	243,600
A061	INSPECTION - NEW CONSTRUCTION		.00	0	1,211.56	0	0
A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS		4,779.93	0	51,237.30	0	0
A063	INSPECTION - PERMIT INSPECTIONS		909.36	0	16,843.68	0	0
A064	INSPECTION - MISCELLANEOUS		1,356.82	0	24,090.69	0	0
A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES		1,705.35	0	30,764.07	0	0
A066	INSPECTION - CODE ENFORCEMENT		5,838.93	0	69,834.39	0	0
A070	SEWER INVESTIGATIONS - BUDGET		.00	304	.00	4,314	4,450
A072	SEWER INVESTIGATIONS		88.63	0	3,615.59	0	0
SECT A TOTALS			40,728.62	40,742	503,505.88	509,350	529,850
SECT B OPERATIONS AND MAINTENANCE							
B112	COMMUNICATION		689.06	1,000	9,234.04	11,000	12,000
B113	EMERGENCY/SAFETY EQUIPMENT		98.11	250	1,576.70	3,150	3,400
B115	EQUIPMENT/EQUIPMENT REPAIR		26.36	2,100	31,569.57	42,400	44,500

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NUMBER	DESCRIPTION	COST		ACTUAL	BUDGET	ACTUAL-	VAR	TOTAL
		CURRENT	CURRENT	MONTH	MONTH	BUDGET		
				Y-T-D	Y-T-D	VARIANCE	%	BUDGET
B116	SUPPLIES	565.63	375	6,158.36	3,725	2,433.36	65.3	4,100
B117	EMPLOYEE/DUTY COSTS	215.71	1,300	17,583.01	14,300	3,283.01	23.0	15,500
B127	JULIE SYSTEM	.00	1,200	15,084.99	14,200	884.99	6.2	15,400
B128	OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM	.00	1,000	.00	14,000	14,000.00-	100.0-	15,000
B129	REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGE	.00	1,000	4,456.20	11,000	6,543.80-	59.5-	12,000
B900	SEWER SYSTEM REPAIRS - BUDGET	.00	96,000	.00	4,085,300	2,356,272.26-	57.7-	4,271,600
B901	SEWER SYSTEM REPAIRS - I/I PROGRAM	769,676.70	0	787,303.66	0	.00	.0	0
B902	SEWER SYSTEM REPAIRS - REPLACEMENT	.00	0	11,787.27	0	.00	.0	0
B903	SEWER SYSTEM REPAIRS - REHABILITATION	.00	0	89,500.93	0	.00	.0	0
B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	90,985.27	0	741,218.98	0	.00	.0	0
B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/R	.00	0	8,421.30	0	.00	.0	0
B929	ARRA LOAN PRINCIPAL REPAYMENT	.00	0	90,795.60	0	.00	.0	0
SECT B TOTALS		862,256.84	104,225	1,814,690.61	4,199,075	2,384,384.39-	56.8-	4,393,500
SECT C VEHICLES								
C222	GAS/FUEL	2,865.72	2,100	16,281.07	23,900	7,618.93-	31.9-	26,000
C225	OPERATION/REPAIR	103.44	750	9,633.97	8,250	1,383.97	16.8	9,000
C226	VEHICLE PURCHASES	.00	0	483,212.00	567,500	84,288.00-	14.9-	567,500
SECT C TOTALS		2,969.16	2,850	509,127.04	599,650	90,522.96-	15.1-	602,500
DEPT 14 TOTALS		905,954.62	147,817	2,827,323.53	5,308,075	2,480,751.47-	46.7-	5,525,850
DEPT 15 O & M EXPENSES - LIFT STATIONS								
SECT A SALARIES AND WAGES								
A006	ENGINEERING	.00	611	1,259.00	7,345	6,086.00-	82.9-	7,750
A009	OPERATIONS MANAGEMENT	1,023.56	259	9,014.03	4,009	5,005.03	124.8	4,250
A030	BUILDING AND GROUNDS	338.03	55	6,849.91	851	5,998.91	704.9	900
A080	LIFT STATION MAINTENANCE	991.16	1,153	10,279.58	15,035	4,755.42-	31.6-	15,700
SECT A TOTALS		2,352.75	2,078	27,402.52	27,240	162.52	.6	28,600
SECT B OPERATIONS AND MAINTENANCE								
B100	ELECTRICITY	18,059.29	13,500	114,120.97	148,500	34,379.03-	23.2-	162,000
B104	FUEL - GENERATORS	3,056.93-	0	.00	4,000	4,000.00-	100.0-	4,000
B112	COMMUNICATION	306.38	400	2,588.87	5,000	2,411.13-	48.2-	5,400
B113	EMERGENCY/SAFETY EQUIPMENT	.00	0	14,418.69	11,100	3,318.69	29.9	11,100
B116	SUPPLIES	.00	0	147.85	300	152.15-	50.7-	300
B124	CONTRACT SERVICES	.00	0	20,000.00	0	20,000.00	.0	0
B520	EQPT/EQPT REPAIR - BUTTERFIELD	.00	500	1,328.73	6,900	5,571.27-	80.7-	7,400
B521	EQPT/EQPT REPAIR - CENTEX	53.81	150	202.01	1,850	1,647.99-	89.1-	2,000
B522	EQPT/EQPT REPAIR - COLLEGE	.00	350	2,118.12	35,350	33,231.88-	94.0-	35,600
B523	EQPT/EQPT REPAIR - EARLSTON	.00	200	327.30	6,200	5,872.70-	94.7-	6,300
B524	EQPT/EQPT REPAIR - HOBSON	.00	1,000	8,158.10	93,000	84,841.90-	91.2-	94,000
B525	EQPT/EQPT REPAIR - LIBERTY PARK	.00	250	1,997.21	4,000	2,002.79-	50.1-	4,100
B526	EQPT/EQPT REPAIR - NORTHWEST	1,020.44	100	2,410.44	13,600	11,189.56-	82.3-	13,700
B527	EQPT/EQPT REPAIR - VENARD	.00	400	2,262.33	6,700	4,437.67-	66.2-	7,100

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NUMBER	DESCRIPTION	COST	ACTUAL	BUDGET	ACTUAL	BUDGET	ACTUAL-	VAR	TOTAL
			CURRENT	CURRENT		BUDGET	BUDGET		
			MONTH	MONTH	Y-T-D	Y-T-D			
B528	EQPT/EQPT REPAIR - WROBLE		42.18	100	1,317.22	12,700	11,382.78-	89.6-	12,800
B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL		18,671.42	5,000	39,330.32	61,000	21,669.68-	35.5-	66,350
B820	BLDG AND GROUNDS - BUTTERFIELD		.00	0	1,407.10	0	1,407.10	.0	0
B821	BLDG AND GROUNDS - CENTEX		.00	0	1,374.09	0	1,374.09	.0	0
B822	BLDG AND GROUNDS - COLLEGE		.00	0	20,000.00	20,000	.00	.0	20,000
B823	BLDG AND GROUNDS - EARLSTON		.00	0	1,359.55	25,000	23,640.45-	94.6-	25,000
B824	BLDG AND GROUNDS - HOBSON		.00	0	1,453.61	21,000	19,546.39-	93.1-	21,000
B825	BLDG AND GROUNDS - LIBERTY PARK		.00	0	2,802.75	0	2,802.75	.0	0
B826	BLDG AND GROUNDS - NORTHWEST		.00	0	3,431.73	37,000	33,568.27-	90.7-	37,000
B827	BLDG AND GROUNDS - VENARD		.00	0	28,087.65	10,000	18,087.65	180.9	10,000
B828	BLDG AND GROUNDS - WROBLE		993.66	0	14,396.41	8,600	5,796.41	67.4	8,600
B829	BLDG AND GROUNDS - LIFT STATIONS GENERAL		.00	1,250	1,864.00	30,750	28,886.00-	93.9-	31,750
=====									
SECT B TOTALS			36,090.25	23,200	286,905.05	562,550	275,644.95-	49.0-	585,500
=====									
DEPT 15 TOTALS			38,443.00	25,278	314,307.57	589,790	275,482.43-	46.7-	614,100
=====									
DEPT 17 O & M EXPENSES - INSURANCE & EMPLOYEE BENEFITS									
SECT E INSURANCE AND EMPLOYEE BENEFITS									
E452	LIABILITY/PROPERTY		63.55	0	215,708.55	249,850	34,141.45-	13.7-	249,850
E455	EMPLOYEE GROUP HEALTH		43,815.53	55,000	489,693.34	605,000	115,306.66-	19.1-	658,000
E460	IMRF		.00	18,750	173,119.35	237,500	64,380.65-	27.1-	250,000
E461	SOCIAL SECURITY		18,068.66	19,500	231,806.29	247,000	15,193.71-	6.2-	260,000
=====									
SECT E TOTALS			61,947.74	93,250	1,110,327.53	1,339,350	229,022.47-	17.1-	1,417,850
=====									
DEPT 17 TOTALS			61,947.74	93,250	1,110,327.53	1,339,350	229,022.47-	17.1-	1,417,850
=====									
DEPT 91 SA EXPENSE									
=====									
DEPT 91 TOTALS			.00	0	.00	0	.00	0	
=====									
FUND EXPENSE TOTAL			1,440,640.77	653,818	9,597,356.89	13,692,663	4,095,306.11-	29.9-	14,496,550
=====									
FUND 01 TOTALS			520,820.27	277,282-	633,865.78-	2,350,201	2,984,066.78-	127.0-	2,419,169
=====									

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FUND 02 IMPROVEMENT FUND

NUMBER	DESCRIPTION	COST	ACTUAL	BUDGET	ACTUAL	BUDGET	TOTAL
			CURRENT	CURRENT			
			MONTH	MONTH			BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		3,409.92-	400-	17,028.22-	4,400-	4,700-
3010	TRUNK SEWER SERVICE CHARGES		5,541.91-	7,500-	21,165.81-	82,500-	90,000-
3035	INTERFUND TRANSFER		.00	0	800,000.00-	800,000-	800,000-
=====							
DEPT 05	TOTALS		8,951.83-	7,900-	838,194.03-	886,900-	894,700-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	0	.00	46,600	93,200
0515	PAYMENT ON LOAN PRINCIPAL		.00	0	46,595.53	0	0
=====							
DEPT 30	TOTALS		.00	0	46,595.53	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	0	.00	304,400	304,400
0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVI		2,503.70	0	18,368.91	0	0
0506	CONSTRUCTION CONTRACTS AND PURCHASES		.00	0	614,968.28	0	0
=====							
DEPT 47	TOTALS		2,503.70	0	633,337.19	304,400	304,400
=====							
DEPT 48	CAPITAL - VENARD LIFT STATION UPGRADE						
0500	PROJECT BUDGET		.00	0	.00	850,000	850,000
0502	DESIGN ENGINEERING/ARCHITECTURAL		471.25	0	14,176.50	0	0
=====							
DEPT 48	TOTALS		471.25	0	14,176.50	850,000	850,000
=====							
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			2,974.95	0	694,109.22	1,201,000	1,248,100
=====							
FUND 02	TOTALS		5,976.88-	7,900-	144,084.81-	314,100	353,400
=====							

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NUMBER	DESCRIPTION	COST	ACTUAL	BUDGET	ACTUAL	BUDGET	TOTAL
			CURRENT	CURRENT			
			MONTH	MONTH			BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		5,274.37-	1,475-	31,654.36-	16,225-	17,700-
3009	SEWER PERMIT FEES		11,287.50-	20,800-	101,897.00-	229,200-	250,000-
=====							
DEPT 05	TOTALS		16,561.87-	22,275-	133,551.36-	245,425-	267,700-
=====							
DEPT 20	CAPITAL EXP - WWTC - GAS DETECTION/ALARMING						
0500	PROJECT BUDGET		.00	0	.00	419,000	419,000
0502	DESIGN ENGINEERING/ARCHITECTURAL		750.00	0	20,900.04	0	0
=====							
DEPT 20	TOTALS		750.00	0	20,900.04	419,000	419,000
=====							
DEPT 21	CAPITAL EXP - WWTC - BIOSOLIDS IMPROVEMENTS						
0500	PROJECT BUDGET		.00	205,000	.00	792,500	997,500
0501	REPORT ENGINEERING/ARCHITECTURAL		.00	0	41,329.65	0	0
=====							
DEPT 21	TOTALS		.00	205,000	41,329.65	792,500	997,500
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	0	.00	14,450	28,807
0515	PAYMENT ON LOAN PRINCIPAL		.00	0	14,403.65	0	0
=====							
DEPT 30	TOTALS		.00	0	14,403.65	14,450	28,807
=====							
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						

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FUND 03 CONSTRUCTION FUND

NUMBER	DESCRIPTION	COST	ACTUAL	BUDGET	ACTUAL	BUDGET	TOTAL
			CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL
			MONTH	MONTH	Y-T-D	Y-T-D	BUDGET
=====							
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						
=====							
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			750.00	205,000	76,633.34	1,225,950	1,445,307
=====							
FUND 03 TOTALS			15,811.87-	182,725	56,918.02-	980,525	1,177,607
=====							

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FUND 05 PUBLIC BENEFIT FUND

NUMBER	DESCRIPTION	COST	ACTUAL	BUDGET	ACTUAL	BUDGET	TOTAL
			CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL
			MONTH	MONTH	Y-T-D	Y-T-D	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	BUDGET	ACTUAL	BUDGET	TOTAL
			CURRENT MONTH	CURRENT MONTH	Y-T-D	Y-T-D	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

**Board of Trustees**  
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*President*  
Amy E. Sejnost  
*Vice President*  
Jeremy M. Wang  
*Clerk*



**General Manager**  
Amy R. Underwood, P.E.

**Legal Counsel**  
Daniel McCormick, P.C.

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P.O. Box 1412  
Downers Grove, IL 60515-0703  
Phone: 630-969-0664  
Fax: 630-969-0827  
[www.dgsd.org](http://www.dgsd.org)

*Providing a Better Environment for South Central DuPage County*

March 18, 2024

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Sent Electronically to: [EPA.PrmtSpecCondtns@Illinois.gov](mailto:EPA.PrmtSpecCondtns@Illinois.gov)

***Subject: IL0028380 Special Condition 17.E  
Wastewater Treatment Center Phosphorus Discharge Optimization Plan  
2024 Progress Report***

To Whom It Concerns:

Special Condition 17 of permit IL0028380 requires the Downers Grove Sanitary District to submit an annual progress report on its Phosphorus Discharge Optimization Plan (PDOP). The PDOP, submitted in July 2017, evaluates source reduction measures, operational improvements, and minor low-cost facility modifications to optimize reductions in phosphorus discharges from the wastewater treatment center (WWTC). This letter serves as the District's 2024 PDOP annual progress report, in compliance with Special Condition 17, Paragraph E. This report is due by March 31, 2024.

### **WWTC Phosphorus Removal Performance**

The WWTC phosphorus monitoring data for calendar year 2023 is summarized in Table 1 on the next page.

A summary of the monthly and annual average WWTC phosphorus monitoring data since the PDOP was completed is provided in Table 2 for comparison. The baseline data which was collected prior to any phosphorus removal optimization efforts is also presented.

Table 1. 2023 WWTC Phosphorus Monitoring Data

	INFLUENT		EFFLUENT		FRACTION REMOVED
	CONCN mg/l	LOAD lbs/day	CONCN mg/l	LOAD lbs/day	
Jan-23	3.95	316	2.34	187	0.41
Feb-23	3.74	341	2.15	179	0.48
Mar-23	2.81	325	1.55	186	0.43
Apr-23	4.23	367	2.03	175	0.52
May-23	7.80	442	4.34	279	0.37
Jun-23	8.22	432	5.06	313	0.28
Jul-23	3.74	334	2.58	252	0.25
Aug-23	4.70	318	3.76	299	0.06
Sep-23	4.43	346	2.51	170	0.51
Oct-23	6.73	390	3.39	200	0.49
Nov-23	6.81	426	3.61	216	0.49
Dec-23	4.54	392	1.93	169	0.57
Average	5.14	369	2.94	219	0.40
Maximum	8.22	442	5.06	313	0.57
Minimum	2.81	316	1.55	169	0.06

Table 2. Historic WWTC Phosphorus Annual Average Monitoring Data

	INFLUENT		EFFLUENT		FRACTION REMOVED	NOTES
	CONCN mg/l	LOAD lbs/day	CONCN mg/l	LOAD lbs/day		
Baseline*	4.81	365	3.07	229	0.37	
2017	5.62	414	2.99	217	0.48	RAS fermenter in service
2018	5.43	448	2.48	208	0.52	RAS fermenter in service
2019	4.68	434	2.16	201	0.53	RAS fermenter in service
2020	5.33	418	2.90	228	0.45	RAS fermenter in service
2021	5.72	405	3.33	238	0.40	RAS fermenter in service
2022	5.12	373	2.91	200	0.46	RAS fermenter removed from service in July
2023	5.14	369	2.94	219	0.40	

\*Baseline data was collected from July 2012 to July 2013

**WWTC Influent Reduction Measures**

The influent phosphorus load to the District’s Wastewater Treatment Center (WWTC) in 2023 was consistent with the previous few years, giving the District no reason to suspect any user has significantly increased their phosphorus discharge. Therefore, no special sampling of industrial

users or surcharge customers was done in 2023.

Phosphorus is a sampling parameter in the regular surcharge sampling program for the few users that were previously tested.

### **WWTC Effluent Reduction Measures**

#### *Sidestream Enhanced Biological Phosphorus Removal*

The 2022 Progress Report on the WWTC PDOP indicated that the return activated sludge (RAS) fermenter which the District had been operating in an attempt to do sidestream enhanced biological phosphorus removal had impacted our ability to always meet our total suspended solids (TSS) permit limits and had made meeting our ammonia permit limits challenging. Based on the data presented in the 2022 PDOP report, it was not clear whether the sidestream EBPR was working. The District decided to remove the RAS fermenter from service in July 2022. As can be seen in Table 2 above, the average effluent TP concentration and the percent removal of phosphorus in 2022 were comparable to the previous five years regardless of the RAS fermenter only being in service for half the year. The average effluent TP concentration and the percent removal of phosphorus in 2023 were within the range recorded during the years when the RAS fermenter was in service. The impact, if any, of removing the RAS fermenter may become more apparent in the future once the District has collected more data.

The District's commitment to the goals set forth in in the PDOP remain. Sampling to collect data to recalibrate a BioWin model of the WWTC will start in May. Once recalibrated, the model will then be used to reevaluate the potential to optimize biological phosphorus removal.

We trust that this letter report satisfies the requirements in Special Condition 17 for a PDOP progress report. As required by Special Condition 17, this report has been posted to the District's website.

If you have any questions or comments, please contact me at the above address and phone.

Very Truly Yours,



Amy R. Underwood, P.E.  
General Manager

cc: Board of Trustees  
Marc Majewski, DGSD Operations Supervisor  
Reese Berry, DGSD Laboratory Supervisor  
Stephen McCracken, DRSCW



March 18, 2024

The Honorable Tom Carper  
 Chairman  
 U.S. Senate Committee on Environment and Public  
 Works  
 410 Dirksen Senate Office Building  
 Washington, D.C. 20510

The Honorable Shelley Moore Capito  
 Ranking Member  
 U.S. Senate Committee on Environment and Public  
 Works  
 410 Dirksen Senate Office Building  
 Washington, D.C. 20510

Dear Chairman Carper and Ranking Member Capito:

The undersigned organizations represent local governments and private entities responsible for safeguarding public health and the environment, including drinking water, wastewater treatment, stormwater management, and water recycling facilities, municipal solid waste landfills, and composting facilities. We write to urge that any legislation on per- and polyfluoroalkyl substances (PFAS) that the U.S. Senate Committee on Environment and Public Works (EPW) considers include a specific provision to ensure that the organizations we represent are explicitly recognized as “passive receivers” of PFAS and afford these essential public services a narrow exemption from liability under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Absent such relief, designation of certain PFAS as CERCLA hazardous substances would shift the “polluter pays” principle of the law to that of a “community pays” model placing the burden of compliance and cleanup onto ratepayers and the public at-large.

The U.S. Environmental Protection Agency (EPA) has stated often, including during testimony to EPW, that the agency would use its “discretionary authority” in pursuing CERCLA enforcement actions against certain parties. However, this commitment offers little comfort to our sectors given the expansive rights of Potentially Responsible Parties under CERCLA to bring contribution litigation against other entities that are alleged to be additional sources of hazardous substances at a cleanup site.

**EPA has stated that it has insufficient existing legal authority to provide relief to public service providers from the impact of CERCLA contribution litigation. Claims for contribution against passive receiver groups thus would generate significant litigation costs for lawful operations going back decades—costs that would lead to significant cost increases on essential public service providers and the communities and residents they serve.**

It is important to highlight that our members deliver essential public services that do not involve the manufacture or use of PFAS. We are passive receivers of media containing PFAS that are ubiquitous in the water supply, wastewater treatment process, stormwater, biosolids management, and solid waste streams. Each of our sectors is interdependent: landfills rely on wastewater treatment facilities for their leachate discharge while water and wastewater treatment facilities depend on landfills and compost facilities for biosolids management, recycling of organics, and disposal of spent water filtration systems. Although our members carry-out the delivery of public health services consistent with the requirements of the Safe Drinking Water Act, Clean Water Act, and Solid Waste Disposal Act, among other federal and state mandates, CERCLA designation, absent Congressional action, would disrupt the interdependence of passive receivers by driving each sector to revisit the acceptance of influent streams that might contain PFAS concentrations and impacting our ability to recover resources that can contribute to significant reductions in greenhouse gas emissions.

Our sectors acknowledge our role as part of the long-term solution to PFAS management, recognize the need to protect public health and the environment, and share the goal of holding accountable those entities that are primarily responsible for PFAS contamination. Nevertheless, any action designating certain PFAS compounds as hazardous substances must be accompanied by relief that allows communities to continue to rely on the affordability of the essential public services our sectors provide. Accordingly, we urge the Committee to provide statutory relief from CERCLA liability for owners and operators of passive receiver facilities.

Sincerely,

American Public Works Association  
Association of Compost Producers – California  
Association of Washington Cities  
California Association of Sanitation Agencies  
California Waste Haulers Council  
Clean Water Professionals of Kentucky & Tennessee  
Coalition for Clean Water – Washington  
Coalition of Recyclers of Residual Organics by  
Practitioners of Sustainability  
Connecticut Water Environment Association  
Green Mountain Water Environment Association  
Illinois Association of Wastewater Agencies  
Indiana Water Environment Association  
Kansas Water Environment Association  
League of Oregon Cities  
Maine Water Environment Association  
Massachusetts Water Environment Association  
Michigan Waste & Recycling Association  
Michigan Water Environment Association  
Mid-Atlantic Biosolids Association  
Midwest Biosolids Association  
Municipal Environmental Group – Wastewater Division  
Municipal Waste Management Association  
National Association of Counties  
National Association of Water Companies  
National League of Cities  
National Municipal Stormwater Alliance

National Waste & Recycling Association  
National Water Resources Association  
New England Water Environment Association  
New Hampshire Water Pollution Control Association  
New Jersey Water Environment Association  
New York Water Environment Association  
North East Biosolids & Residuals Association  
Northwest Biosolids Association  
Oregon Association of Clean Water Agencies  
Oregon Refuse & Recycling Association  
Resource Recovery Coalition of California  
Rhode Island Water Environment Association  
Solid Waste Association of North America  
Southeast Biosolids Association  
Special Districts Association of Oregon  
The United States Conference of Mayors  
U.S. Composting Council  
Virginia Biosolids Council  
Washington Association of Sewer & Water Districts  
Washington Refuse & Recycling Association  
WateReuse Association  
Water & Wastewater Equipment Manufacturers  
Association  
Water Quality Association  
West Coast Refuse & Recycling Coalition  
Wisconsin Counties Solid Waste Management  
Association

CC: Members of the U.S. Senate Committee on Environment and Public Works

**WWTC Operations Data – February**

The DMR for February indicates that the final effluent averaged 1.45 mg/l CBOD, 0.6 mg/l suspended solids and 0.45 mg/l ammonia nitrogen over a daily average flow of 9.41 MGD. There were no permit excursions for the month.

**Sewer Permits – February**

There were 8 sewer permits issued in February – 4 single family, 1 commercial, 1 repair, and 2 disconnections.

**Financial Data – February**

In February, the District received \$416,197 in the General fund after \$400,000 was transferred to the Improvement fund. Revenues into the General fund included \$313,560 in user charges, \$25,539 in surcharges and \$410,205 in monthly fees. General fund expenses totaled \$666,261. The Improvement fund had revenues of \$403,051 and expenses of \$4,506. The Construction fund had revenues of \$6,530 and expenses of \$17,845.

**Personnel**

The District will be hiring a Seasonal Sewer System Clerical Worker. This person will work in the Administration Center and will be responsible for preparing the letters of completed repair and other miscellaneous duties. All applicants must be at least 16 years old. A job posting will be made on our website in the upcoming week and we will share on Teams once it is available. At that time, please direct anyone you know that is interested in applying on our site.

**Decennial Committees on Local Government Efficiency Act – Job Analysis Questionnaire**

Thank you to all employees for taking the time to complete the job analysis questionnaires to aid in the study. Upon completion of review, the NIU Team will reach out to us to begin doing in person interviews, tours, and any other on-site visits that may help them in their work.

**Five Year Financial Plan and Appropriation Ordinance**

At the March 19 meeting, the Board approved the Five-Year Financial Plan for Fiscal Years 2024-25 to 2028-29. The plan includes a \$0.50 increase in the FY 2024-25 budget for the user fee (increasing from \$2.25 to \$2.75 per 1,000 gal). The Board also approved the FY 2024-25 Appropriation Ordinance. The plan sets a budget for operation and maintenance expenses of \$13,724,400, an improvement fund budget of \$964,700 and a construction fund budget of \$1,255,400 for the fiscal year starting May 1, 2024.

### **District Wi-Fi Guest Access**

If you use a personal device on District premises and need to use Wi-Fi, please be sure you are connecting only to the District Guest Wi-Fi network. The password has been updated for this and will be posted on Districtwide Teams channel and we will have signs placed in common areas. For security reasons, no personal device should ever be connected to the District Mobile network or the DGSD Wi-Fi network.

### **Illinois Wastewater Surveillance System**

The District continues to participate in the Illinois Wastewater Surveillance System. COVID, RSV and Influenza data from our wastewater treatment center can be found at <https://iwss.uillinois.edu/wastewater-treatment-plant/275/>.

### **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

Permanent restoration remains to be completed in the Spring.

#### 2) Centex Lift Station Replacement

A punchlist has been issued to the contractor. The landscaping plan is under review.

#### 3) Curtiss Street Trunk Sewer Rehabilitation

The lining will be completed next week, and restoration will be started shortly thereafter.

#### 4) Venard Force Main Replacement

This project will be advertised for bids on April 4.

#### 5) SCADA Platform Replacement (Ignition)

Concentric continues to work on new displays and reporting. District staff are reviewing the new displays.



6) WWTC Combustible Gas Detection and Alarm System

B&W is finishing the plans and specifications for the new combustible gas detection and alarm system. New combustible gas detectors, hydrogen sulfide detectors, horns, and alarm lights will be installed in the digester buildings, the bar screen building and the CHP rooms. The project is expected to be ready to advertise for bids in April.

**Trustee Appointment**

On March 26, the County Board appointed Mark Eddington as a Trustee of the District, filling the position vacated by the passing of Wally Van Buren. Trustee Eddington is a Downers Grove resident.

**Personnel**

Marcus Hernandez joined the Maintenance team on March 25, 2024. We are excited to have him on board.

The District will be hiring a Seasonal Sewer System Clerical Worker. This person will work in the Administration Center and will be responsible for preparing the letters of completed repair and other miscellaneous duties. All applicants must be at least 16 years old. A job posting will be made on our website on Monday, April 8 and the link will be shared on the Districtwide channel on Teams. At that time, please direct anyone you know that is interested in applying to our website.

**Top Health**

The April edition of TopHealth is enclosed.

**Illinois Wastewater Surveillance System**

The District continues to participate in the Illinois Wastewater Surveillance System. COVID, RSV and Influenza data from our wastewater treatment center can be found at <https://iwss.uillinois.edu/wastewater-treatment-plant/275/>.

**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

Permanent restoration remains to be completed in the Spring.

2) Centex Lift Station Replacement

The contractor continues to work on punchlist items. The landscaping plan is under review.

3) Curtiss Street Trunk Sewer Rehabilitation

The lining is complete. Restoration will be started as soon as the weather allows.

4) Venard Force Main Replacement

This project was advertised for bids on April 4. Bids will be opened on April 29<sup>th</sup>.

5) SCADA Platform Replacement (Ignition)

Concentric continues to work on new displays and reporting. District staff continues to review the new displays.

6) WWTC Combustible Gas Detection and Alarm System

Baxter & Woodman has provided the plans and specifications for District review. The project will be advertised for bids on April 18.

# DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

## Wastewater Report, March 2024

For updates on your plant in-between these monthly reports, please visit our wastewater dashboard <https://iwss.uillinois.edu>

### 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.

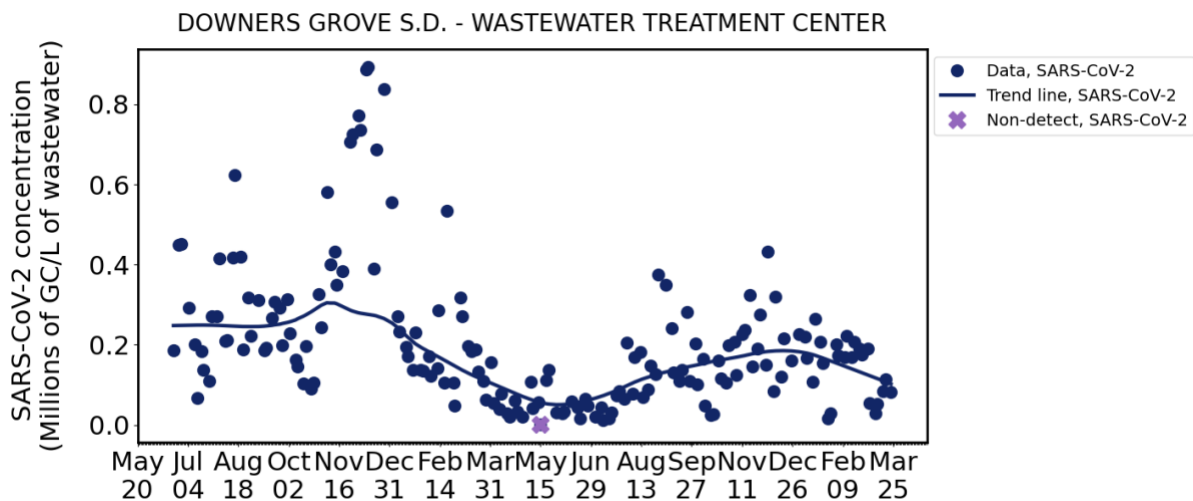


Figure 1. Time series plot of SARS-CoV-2 viral concentrations in millions of gene copies per liter (GC/L) of wastewater.

### SARS-CoV-2 SAMPLING RESULTS - LAST 8 SAMPLES

Date	SARS-CoV-2 (GC/L)
2024-03-24	82,200

2024-03-19	114,450
2024-03-17	84,075
2024-03-12	52,875
2024-03-10	28,500
2024-03-05	53,925
2024-03-03	190,650
2024-02-27	174,900

## SARS-CoV-2 LINEAGES IN WASTEWATER

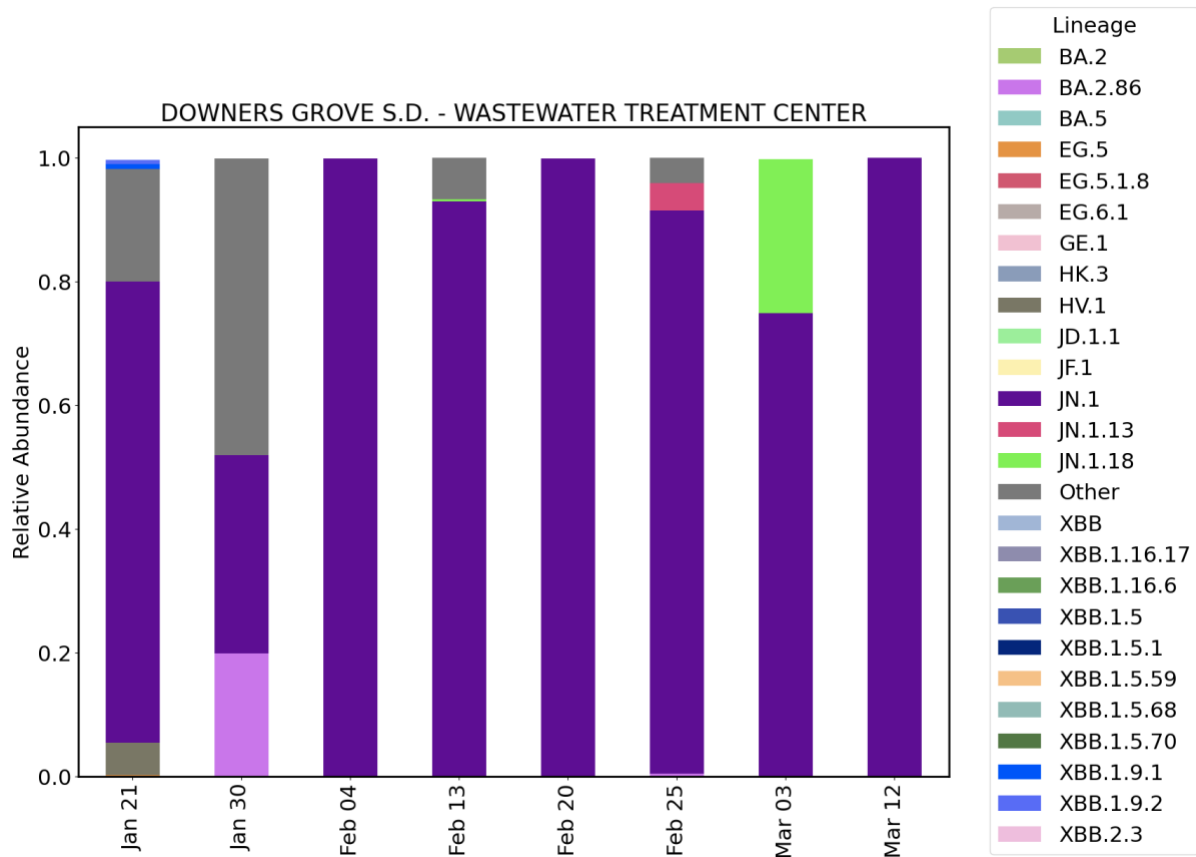


Figure 2. Stacked barplot showing the relative abundances of SARS-CoV-2 lineages in wastewater samples. All lineages in the legend, excluding "Other," are associated with Omicron. The most recently available two months worth of data are shown.

## 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.

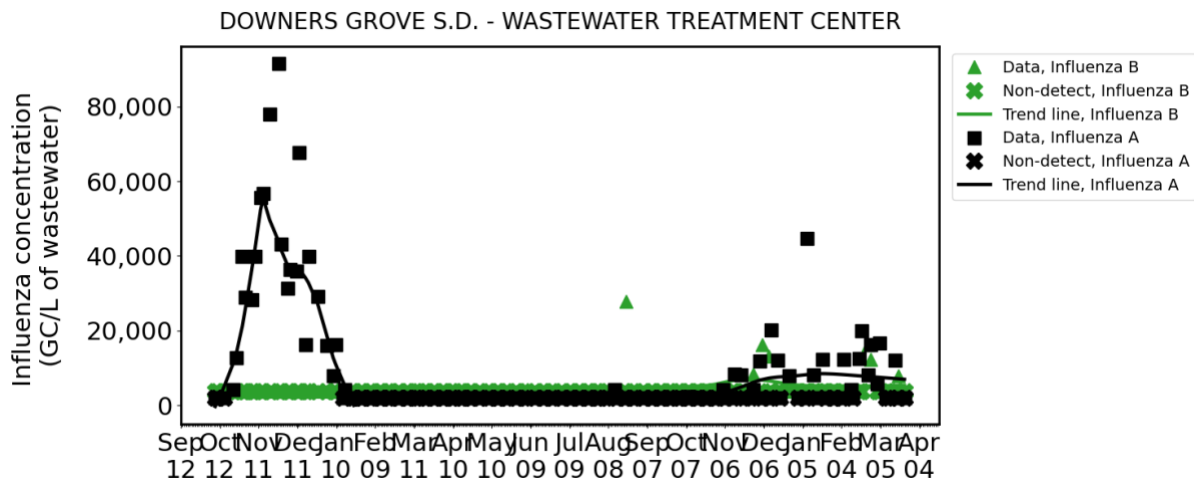


Figure 3. Time series plot of Influenza A/B viral concentrations in gene copies per liter (GC/L) of wastewater.

## INFLUENZA A/B SAMPLING RESULTS - LAST 8 SAMPLES

Date	Influenza A (GC/L)	Influenza B (GC/L)
2024-03-24	Non-detect	Non-detect
2024-03-19	Non-detect	7,875
2024-03-17	12,000	Non-detect
2024-03-12	Non-detect	Non-detect
2024-03-10	Non-detect	Non-detect
2024-03-05	16,575	Non-detect
2024-03-03	5,775	Non-detect
2024-02-27	16,275	12,225

## RSV LEVELS IN WASTEWATER

Wastewater is analyzed using digital PCR (dPCR) to determine the concentration of Respiratory Syncytial Virus (RSV) in a sample. Results are reported in gene copies per liter of starting wastewater.

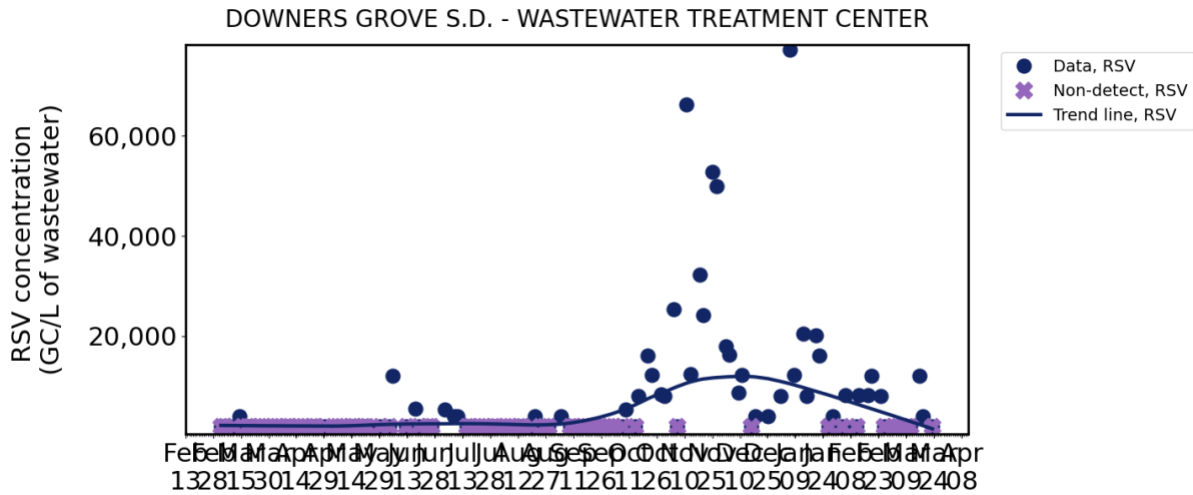


Figure 4. Time series plot of RSV viral concentrations in gene copies per liter (GC/L) of wastewater.

## RSV SAMPLING RESULTS - LAST 8 SAMPLES

Date	RSV (GC/L)
2024-03-24	Non-detect
2024-03-19	3,975
2024-03-17	12,000
2024-03-12	Non-detect
2024-03-10	Non-detect
2024-03-05	Non-detect
2024-03-03	Non-detect
2024-02-27	Non-detect

# Guide to Interpreting Data on SARS-CoV-2, Influenza, & Respiratory Syncytial Virus (RSV) 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 may vary from one person to another and from virus to virus, 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, influenza A & B, and RSV are then detected and quantified using a molecular biology tool called digital polymerase chain reaction (dPCR). During dPCR, a targeted segment of the RNA 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, influenza, or RSV 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 viral 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, influenza, or RSV genetic material in wastewater into a measure of how many people, or even what percentage of a community, have COVID-19, flu, or RSV, respectively. Variability between different wastewater sources, treatment facilities, and communities makes it difficult to translate the SARS-CoV-2, influenza, or RSV concentrations into a measure of how many people are infected in the community. However, an upward or downward trend in viral 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, influenza, or RSV 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.

## **Can I compare the gene copies of different pathogens to one another?**

Because each pathogen is distinct, it is not appropriate to compare their viral gene copy numbers, even at the same site. Instead, trends in SARS-CoV-2, influenza, or RSV concentrations (increasing/decreasing) can be used to understand if cases or hospitalizations for each pathogen are likely to increase or decrease in the community.

## **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



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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 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.



# DuPage River/Salt Creek Special Conditions Report

March 31, 2024



DuPage River Salt Creek Workgroup



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# Introduction and Participation DuPage/Salt Creek Special Conditions Report, March 30, 2024.

This report fulfills certain reporting requirements contained in DuPage River Salt Creek Workgroup’s (DRSCW) and Lower DuPage River Watershed Coalition’s (LDRWC) NPDES permits. The specific reporting requirements addressed herein include annual reporting on the progress of the projects listed in the Special Conditions, and certain baseline condition reporting for the Chloride Reduction Program.

## Background – DuPage River Salt Creek Workgroup (DRSCW)

In 2015, the DRSCW submitted its Implementation Plan to the Illinois Environmental Protection Agency (IEPA). The adaptive management approach is based on high-resolution, comprehensive monitoring of chemical, biological, and physical characteristics of the watersheds. This monitoring provides the data needed to execute the “Plan-Do-Check-Act” methodology inherent to adaptive management. Analysis of the monitoring data provides insight into the highest-priority stressors that affect stream health and allows identification of projects or initiatives with the greatest potential to attain stream use goals. Monitoring also provides the feedback needed to properly assess the impacts of stream restoration projects and water quality initiatives to better formulate future activities.

The 2015 Implementation Plan was used to negotiate a Special Condition in the National Pollutant Discharge Elimination System (NPDES) permit for the watershed’s major municipal WWTPs. The Special Condition covered two five-year permit cycles (10 years total); it set an effluent total phosphorus (TP) limit for WWTPs at 1.0 milligrams per liter (mg/L) required 10 years after the effective date of the initial permit for WWTPs using chemical treatment and 11 years after the effective date of the initial permit for WWTPs using biological treatment. Additionally, the Special Condition includes projects and activities as set out in the 2015 DRSCW Implementation Plan (Table 1 and Map 1).

**Table 1.** DRSCW Special Condition projects and activities per the 2022 NPDES Permit Special Condition

Project Name	Completion Date	Short-Term Objectives	Long-Term Objectives
Oak Meadows Golf Course Dam Removal	December 31, 2016 (Completed)	Improve dissolved oxygen (DO)	Improve fish passage
Oak Meadows Golf Course Stream Restoration	December 31, 2017 (Completed)	Improve aquatic habitat (Qualitative Habitat Evaluation Index (QHEI)), reduce inputs of nutrients and sediment	Raise macroinvertebrate Index of Biotic Integrity (mIBI)
Fawell Dam Modification	December 31, 2024	Modify dam to allow fish passage	Raise fish Index of Biotic Integrity (fIBI) upstream of structure

<b>Project Name</b>	<b>Completion Date</b>	<b>Short-Term Objectives</b>	<b>Long-Term Objectives</b>
Spring Brook Restoration and Dam Removal	December 31, 2020 (Completed)	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise mIBI and fIBI
Fullersburg Woods Dam Modification Concept Plan Development	December 31, 2016 (Completed)	Identify conceptual plan for dam modification and stream restoration	Build consensus among plan stakeholders
Fullersburg Woods Dam Modification	December 31, 2024 (Completed)	Improve DO, improve aquatic habitat (QHEI)	Raise mIBI and fIBI
Fullersburg Woods Dam Modification Area Stream Restoration	December 31, 2024	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise mIBI and fIBI
West Branch Physical Enhancement	December 31, 2023 (Completed)	Improve aquatic habitat (QHEI)	Raise mIBI and fIBI
Southern East Branch Stream Enhancement	December 31, 2024	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise mIBI and fIBI
QUAL2Kw Modeling for West Branch, East Branch, and Salt Creek	December 31, 2023 (Completed)	Collect new baseline data and update model	Quantify improvements in watershed. Prioritize DO improvement projects for years beyond 2024
Nonpoint Source (NPS) Phosphorus Feasibility Analysis	December 31, 2021 (Completed)	Assess NPS performance from reductions leaf litter and street sweeping	Reduce NPS contributions to lowest practical levels
East Branch Phase II	December 31, 2028	Improve aquatic habitat (QHEI), reduce Inputs of nutrients and sediment	Raise mIBI and fIBI
Lower Salt Creek Phase II	December 31, 2028	Improve aquatic habitat (QHEI), Remove fish barrier, reduce inputs of nutrients and sediment	Raise mIBI and fIBI
West Branch Restoration Project <sup>a</sup>	December 31, 2028	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise mIBI and fIBI

Another requirement of the Special Conditions is that the included WWTPs participate in a watershed Chloride Reduction Program with the objective of optimizing public agency winter chloride compound application rates to decrease watershed wide chloride loading.

In 2022, the Special Conditions were extended for an additional five-year permit cycle and provided additional funding from participating members for projects identified in the 2020 Implementation Plan. The 2022 Special Condition also extended the effective date of the effluent TP limit for WWTPs at 1.0 mg/L for an additional three years. Four DRSCW members chose to retain the original NPDES permit language and will be implementing a TP limit of 1.0 mg/L monthly average starting between 10/01/2025 and 08/02/2026. Twelve agencies operating 16 WWTPs have adopted the new conditions. An additional two WWTPs are already treating to 1.0 mg/L TP due to earlier plant expansions. The assessments between 2023 and

2025 (valued at \$6,043,773 ) will be used to fund an expansion of the Fullersburg Woods Dam removal and stream restoration (Section 1.5) , the lower East Branch Stream Enhancement (Section 1.7), and an as yet unidentified project on the West Branch of the DuPage River.

Table 2 includes a list of all DRSCW members and identifies their participation in both the 2015 Special Condition and the 2022 Special Conditions. A copy of the 2022 DRSCW Special Conditions permit is included in Attachment 1.

**Table 2.** Participation in the DRSCW Special Conditions permit 2023-2024

<b>Agency Name</b>	<b>Facility Name</b>	<b>NPDES Permit Number</b>	<b>Membership Dues Paid 2023-24</b>	<b>Member Included in the 2015 Special Conditions</b>	<b>Assessment Paid for Paragraph 2 Table Project Funding for the 2022 Special Condition</b>
Addison, Village of	A. J. LaRocca WTF	IL0027367	YES	YES	YES
Addison, Village of	Addison - North STP	IL0033812	YES	YES	YES
Bartlett, Village of	Bartlett WWTP	IL0027618	YES	YES	N/A
Bensenville, Village of	South STP	IL0021849	YES	YES*	N/A
Bloomingtondale, Village of	Reeves WRF	IL0021130	YES	YES	YES
Bolingbrook, Village of	Bolingbrook #1	IL0032689	YES	YES	YES
Bolingbrook, Village of	Bolingbrook #2	IL0032735	YES	YES	YES
Carol Stream, Village of	Carol Stream WRC	IL0026352	YES	YES	YES
Downers Grove Sanitary District	Downers Grove S.D. – Wastewater Treatment Center	IL0028380	YES	YES	YES
DuPage County	Green Valley	IL0031844	YES	YES	YES
Elmhurst, City of	Elmhurst WRF	IL0028746	YES	YES	YES
Glenbard Wastewater Authority	Glenbard WWTP	IL0021547	YES	YES	YES
Glendale Heights, Village of	Glendale Heights WWTP	IL0028967	YES	YES	N/A
Hanover Park, Village of	Hanover Park STP	IL0034479	YES	YES	YES
Itasca, Village of	Itasca STP	IL0079073	YES	YES*	N/A
Metropolitan Water Reclamation District of Greater Chicago	Egan WRP	IL0036340	YES	YES	YES
Metropolitan Water Reclamation District of Greater Chicago	Hanover WRP	IL0036137	YES	YES	YES
Roselle, Village of	J. Botterman WWTP	IL0048721	YES	YES	YES
Roselle, Village of	J. L. Devlin WWTP	IL0030813	YES	YES	YES

Agency Name	Facility Name	NPDES Permit Number	Membership Dues Paid 2023-24	Member Included in the 2015 Special Conditions	Assessment Paid for Paragraph 2 Table Project Funding for the 2022 Special Condition
Salt Creek Sanitary District	Salt Creek Sanitary District STP	IL0030953	YES	YES	YES
West Chicago, City of and Winfield, Village of	West Chicago/Winfield Wastewater Authority Regional WWTP	IL0023469	YES	YES	N/A
Wheaton Sanitary District	Wheaton Sanitary District WWTF	IL0031739	YES	YES	N/A
Wood Dale, City of	City of Wood Dale - North STP	IL0020061	YES	YES	YES
Wood Dale, City of	Wood Dale - South STP	IL0034274	YES	YES	YES

\*The Bensenville South STP and Itasca STP only contributed funds to the Chloride/NIP/QUAL 2K/Trading Program (also known as the “studies” portion) of the 2015 Special Condition funds as both facilities NPDES permits already included a 1 mg/L for TP.

N/A means the agency does not have the condition included in its permit.

### Background – Lower DuPage River Watershed Coalition (LDRWC)

Similarly, to the DRSCW, the LDRWC has negotiated a Special Condition with the IEPA that includes projects and activities that are the sole responsibility of the LDRWC (*Table 3*) as well as those that are the joint responsibility of the LDRWC and DRSCW (*Table 4*). *Map 2* depicts the location of the physical projects in the LDRWC’s Special Conditions.

**Table 3.** LDRWC Special Condition projects per Implementation Planning from 2016

Project Name	Completion Date	Short-Term Objectives	Long-Term Objectives
Hammel Woods Dam Removal	December 31, 2022(Completed)	Improve DO, reduce nuisance algae	Improve fish passage
DuPage River Stream enhancement South of 119 <sup>th</sup> Street in Plainfield	December 31, 2022	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise mIBI and fIBI

**Table 4.** LDRWC/DRSCW Joint Activities

Project Name	Completion Date	Short-Term Objectives	Long-Term Objectives
Nonpoint Source (NPS) Phosphorus Feasibility Analysis	December 31, 2021 (Completed)	Assess NPS performance from reductions leaf litter and street sweeping	Reduce NPS contributions to lowest practical levels

In the LDRWC, three (3) WWTPs are already at 1 mg/l monthly average and two (2) WWTPs, Bolingbrook #3 and Naperville, will be moving to the 1 mg/l limit by 6/30/2026 and 12/31/2028 respectively. Crest Hill’s TP schedule is being negotiated as part of their proposed plant expansion. *Table 5* includes a list of all LDWRC members and identifies their participation in both the Special Conditions. A copy of the LDRWC Special Conditions permit is included in Attachment 2. Note: As the LDRWC Special Conditions differ between permit holders, the Special Conditions for Bolingbrook STP#3 is included in the Attachment as a representation of the LDRWC’s Special Conditions Language.

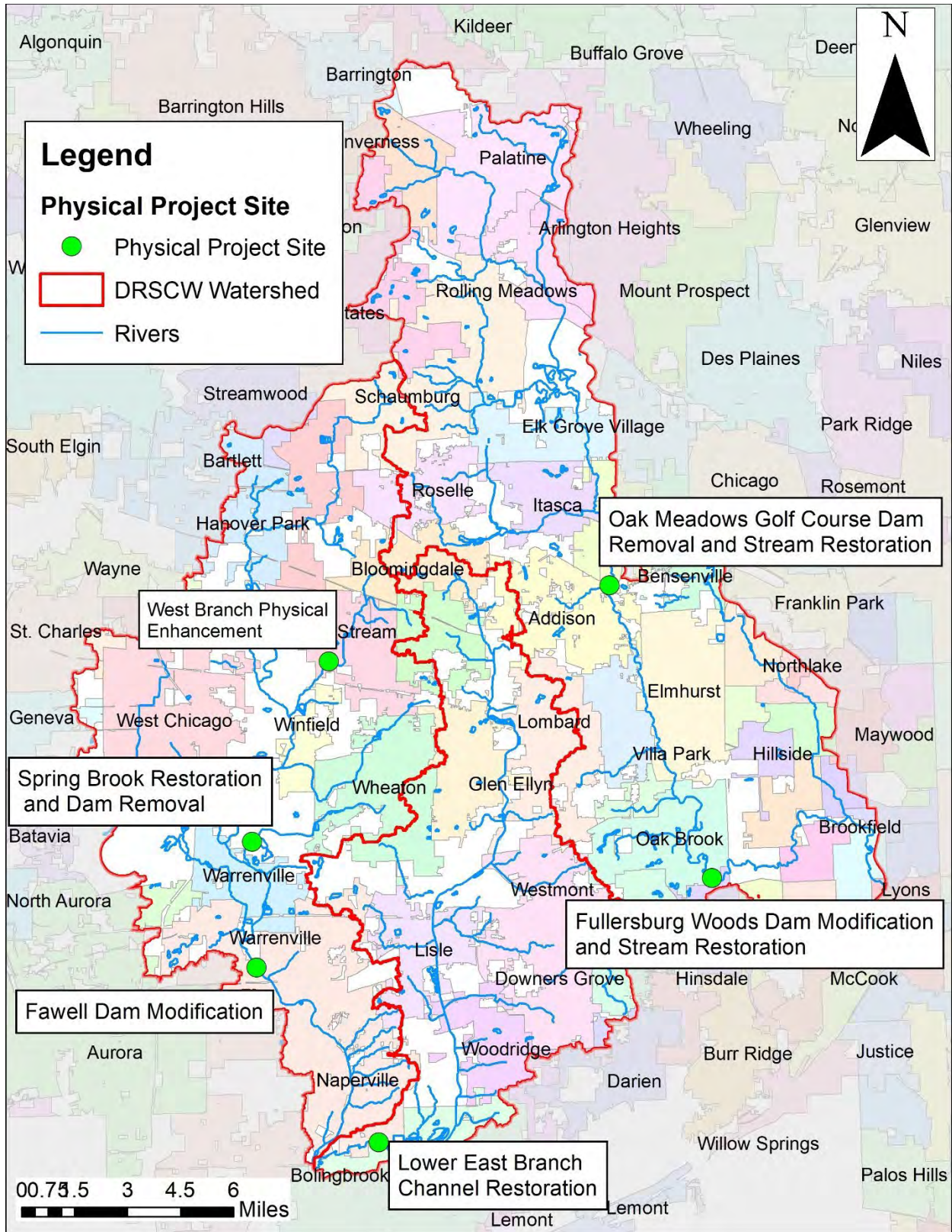
**Table 5.** Participation in the LDRWC Special Conditions Permit 2023-2024

Agency Name	Facility Name	NPDES Permit Number	Membership Dues Paid 2023-24	Assessment Paid for Paragraph 2 Table Project Funding*	Assessment Paid for the Chloride Reduction/NIP/QUAL 2k/Trading Program
Bolingbrook, Village of	Bolingbrook #3	IL0069744	YES	YES	YES
Crest Hill, City of	Crest Hill STP	IL0021121	YES	N/A*	YES
Joliet, City of	Aux Sable WWTP	IL0076414	YES	N/A	YES
Minooka, Village of	Minooka STP	IL0055913	YES	N/A	YES
Naperville, City of	Springbrook WRP	IL0034061	YES	YES	YES
Plainfield, Village of	Plainfield STP	IL0074373	YES	N/A	YES

\*N/A means that the agency does not have that condition in its permit.

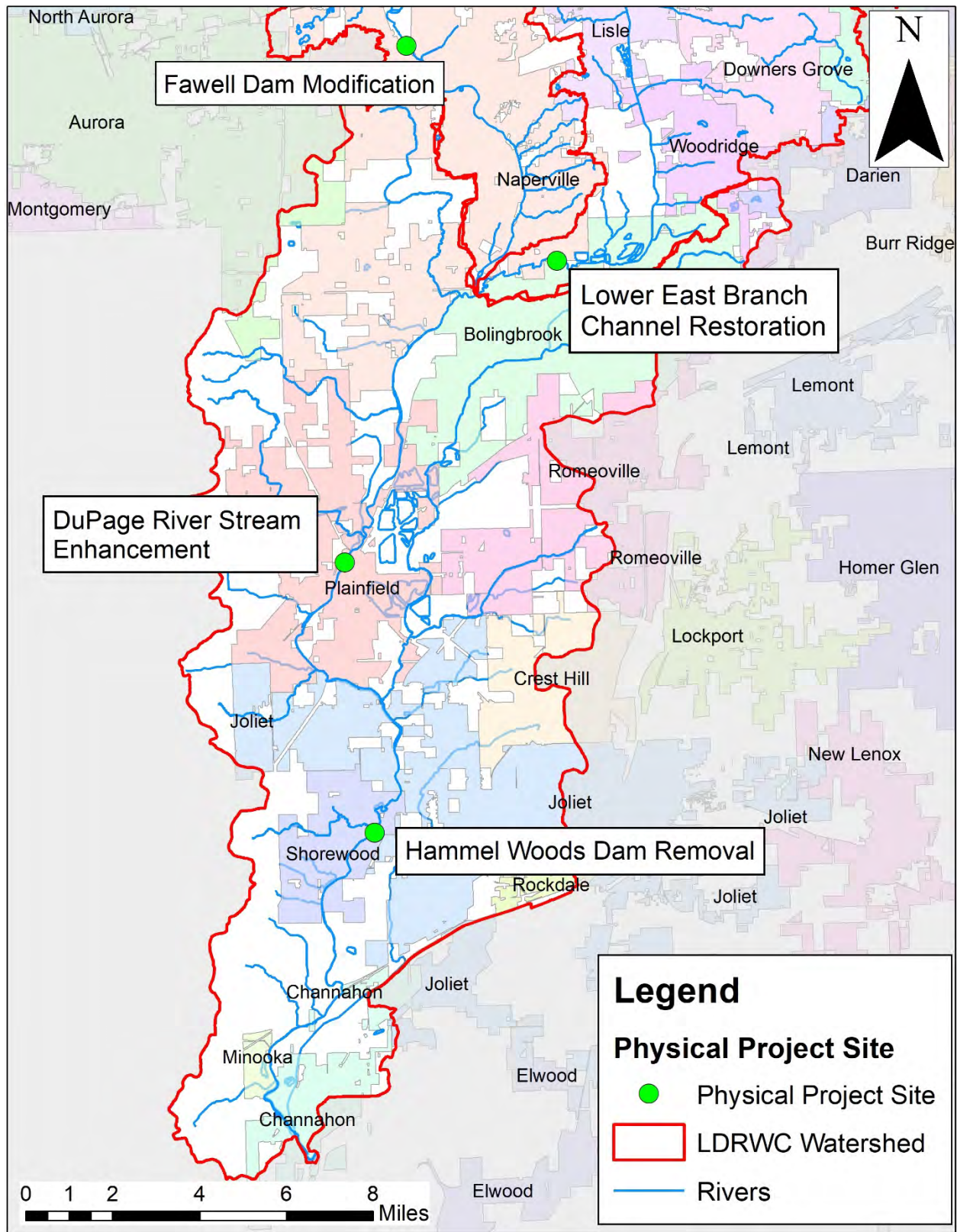
### Special Conditions Permit Holder Forum

Due to the completion of the Nutrient Implementation Plan (NIP) (Section 3.0), several meetings of the DRSCW and LDRWC Special Condition permit holders were held during this reporting year: May 3, 2023, June 6, 2023, and November 6, 2023. Additionally, the October 25, 2023 DRSCW General Membership Meeting and the November 16, 2023 LDRWC General Membership Meetings included discussions on the NIP. The core of the discussion at the meetings was the adoption of the 0.11 to 0.28 mg/l TP IPS threshold as a warm weather watershed goal (equivalent to approximately a 0.35 mg/l TP effluent standard in DRSCW watersheds and 0.5 mg/l in the Lower DuPage). Other topics discussed at the SC Permit Holders meetings included the reporting limits for the TP effluent limits (seasonal, monthly average, geometric mean, or a combination), timeline/ implementation schedule for TP effluent limits, and proposed special assessments.



**Map 1.** Map of DRSCW Physical Projects set out in the Special Conditions





**Map 2.** Map of LDRWC Physical Projects set out in the Special Conditions

## Chapter 1 Physical Projects

The Special Conditions Paragraph 2 identifies stream restoration and dam modification projects that must be completed by the DRSCW and/or LDRWC. The current DRSCW 2024-25 Budget and Four-Year Financial Plan and the LDRWC Three-Year Financial Plan identifies project expenses and funds allocated for each of the physical projects. Map 1 shows the DRSCW physical projects covered in this section; and Map 2 shows the LDRWC physical projects covered in this section.

### 1.1 Oak Meadows Golf Course Dam Removal and Stream Restoration

- Special Conditions Completion Date – December 31, 2016 (dam removal), December 31, 2017 (stream restoration)
- Project Status – Dam removal and stream restoration are complete. The post-project monitoring phase was completed in 2019. Future monitoring of the project area will be completed in conjunction with the bioassessment program. Salt Creek’s next bioassessment is scheduled for the Summer of 2027.

#### 1.1.1 Site Description

The 2016 Annual Report provided a site description.

#### 1.1.2 Design Characteristics

The 2016 Annual Report described the Project’s design characteristics.

#### 1.1.3 Permitting Requirements

The 2016 Annual Report includes details on the Project’s permitting requirements.

#### 1.1.4 Project Implementation

The 2017 Annual Report details the project implementation.

#### 1.1.5 Project Impact Evaluation

The 2021 Annual Report details the post project sampling completed to date. The next post-project sampling is scheduled to be conducted in conjunction with the Salt Creek bioassessment schedule for the summer of 2027.

### 1.2 Fawell Dam Modification

- Special Conditions Listed Completion Date – December 31, 2024
- Status – In permitting and fabrication phase

The objective of the project is to allow fish passage for twelve (12) target species through the Fawell dam. The DRSCW has been collaborating with Forest Preserve District of DuPage County

(FPDDC) and DuPage County Stormwater Management (DC SWM) on this project. DRSCW has budgeted \$1,275,559 for design, construction and monitoring of this project.

### 1.2.1 Site Description

The 2017 Annual Report provided a site description.

### 1.2.2 Design Characteristics

A detail of the core design was provided in the 2020, 2021, and 2022 Annual Reports.

### 1.2.3 Permitting Requirements

The listed permits below are required for the Fawell Dam Modification. Status as of March 15, 2024 is included.

- U.S. Army Corps of Engineers (US ACOE) Nationwide Permit (LRC-2024-169)
  - Application submittal in March 2024 – Pending
  - Illinois Historic Preservation Agency Section 106 Clearance – Not Applicable
  - U.S. Fish & Wildlife Service Section 7 Consultation – Completed USFWS self-documenting Section 7 Consultation in Summer 2021
  - Verification of need for review by Kane DuPage Soil & Water Conservation District (depending on US ACOE determination).
- Illinois Department of Natural Resources
  - EcoCat Request – Signoff received (submitted in summer 2021 expires in 2023, under review to see if it needs to be updated)
    - Major Modification of Existing Dam Permit Application submittal – Plans were submitted to IDNR in March 2024 who confirmed that the project is considered a Dam Modification as opposed to Floodway Construction project. Based on that feedback, additional supporting documentation and the official permit application will be submitted by the end of March 2024.
    - Floodway Construction Permit – Separate Floodway Construction Permit not anticipated to be required based on IDNR feedback.
- DuPage County Stormwater Management Certification and Building Permit
  - Application submittal – DuPage County submittal will combine the components of the US ACOE and the IDNR-OWR dam modifications submittal. It will also incorporate final MOU with DuPage County and the FPDDC. Application will be submittal by the end of March 2024 along with IDNR-OWR supporting documentation.

### 1.2.4 Design Progress Report

The DRSCW has negotiated a memorandum of understanding (MOU) with DC SWM and the FPDDC. The MOU sets out the responsibilities for each party at each stage, including construction, transport installation, monitoring and maintenance. DC SWM is the owner of the

dam and the land parcel it sits on. The FPDDC owns the property surrounding the dam parcel, including the area under the downstream riprap. The MOU covers:

- Fabrication and transport of ladder
- Permitting of the ladder
- Issuing of request for proposals for ladder placement
- Project oversight for ladder placement and “riffle grading”
- Maintenance of the structure (debris management and inspection of joins and anchors)
- Seasonal operation of the removable section where the ladder exits the upstream end of the culvert (winter removal and spring placement). This allows the ladder to be opened if the gate needs to be closed.
- Ad hoc operation of removable section
- Placement of winter debris screens
- Maintenance of instream elevation of the downstream riffle

The MOU was signed by all parties in November 2023. The next steps are obtaining all project permits and placing the order for the fabrication of the ladder (a fabricator has been identified). DC SWM will be the lead agency for the bidding of the placement of the ladder in the structure and will oversee the installation of the ladder. It is the objective to have the ladder installed in the Fawell Dam in the Fall 2024.

### 1.2.5 Project Impact Evaluation

Post project, both fIBI and fish taxa will be sampled upstream of the site and compared to historical data. The upstream and downstream sites were sampled in 2020 as part of the DRSCW’s rolling basin assessment.

There are several possibilities for additional direct instream monitoring for fish movement through the system which are being evaluated based on the final design. Monitoring will likely involve both intensive monitoring at the ladder’s exit and extensive monitoring of the upstream basin.

### 1.3 Spring Brook Restoration and Dam Removal (Spring Brook Phase 2)

- Special Conditions Listed Completion Date – December 2019
- Status – Construction is complete. Post-project monitoring is on-going. Year 3 of post-project monitoring was completed in 2023. Year 4 of post-project monitoring is scheduled for 2024.

The project is being managed by the Forest Preserve District of DuPage County (FPDDC); construction, permitting, and long-term monitoring is being funded by the FPDDC, the Illinois State Toll Highway Authority (ISTHA), and the DRSCW.

Post project survey results: After three (3) years of post-project monitoring, Spring Brook Phase 2 has met its post-project targets for QHEI and fIBI both within the project footprint and at sites monitored as part of the post-project impact evaluation.

### 1.3.1 Site Description

The 2020 Annual Report provided a site description.

### 1.3.2 Design Characteristics

The 2020 Annual Report provided the Project's design characteristics.

### 1.3.3 Permitting Requirements

The 2020 Annual Report includes details on the Project's permitting requirements.

### 1.3.4 Project Implementation

The 2020 Annual Report details the project implementation.

### 1.3.5 Project Impact Evaluation

The DRSCW, MBI, and the FPDDC developed a monitoring plan to assess the restoration work conducted by the FPDDC, ISTHA, and DRSCW contractors at the Spring Brook Phase 2. Pre- and post-project monitoring includes five (5) sites. Three (3) of the sites (WB10, WB10C, and WB10D) are located within the project footprint with the remaining two (2) sites (10A and 10B) being located downstream of the project. The downstream sites serve as control sites that share the same annual water quality and flow variation as the upstream (restored) sites. It should also be noted that the location of WB10 has moved between the pre- and post-project sampling. As part of the project, a new stream channel was constructed for the portion of Spring Brook situated downstream of the former location of the Arrow Road dam and the former channel was converted to wetlands. Since prior to 2020, WB10 was located on the original channel, as part of the post-project monitoring, WB10 was relocated to the newly constructed channel immediately upstream of the pedestrian bridge. Table 6 is a summary of pre- and post- project biological and habitat data collected at Spring Brook Phase 2 in 2018, 2021, 2022, and 2023. Table 7 and Table 8 include the color codes to IBI and habitat scores. Figure 1 to Figure 3 depict the pre- and post-project QHEI); mIBI scores (Figure 2); and fIBI scores (Figure 3). A map of sampling locations is included in Map 3.

**Table 6.** Pre- (2018) and Post- (2021, 2022, and 2023) Project Biological and Habitat Data collected at Spring Brook Phase 2

Site ID	River Mile	Drainage Area (sq mi.)	fIBI	mIBI	QHEI	Attainment Status
<b>Spring Brook 2023</b>						
WB10D*	1.51	6.00	29	38.2	75.0	Non-Fair
WB10C*	1.12	6.30	30	32.2	40.0	Non-Fair
WB10*	0.71	6.80	26	40.9	73.5	Non-Fair
WB10B	0.30	6.90	35	47.6	60.0	PARTIAL
WB10A	0.10	7.00	32	44.8	67.5	PARTIAL
<b>Spring Brook 2022</b>						
WB10D*	1.51	6.00	30	45.3	70.3	PARTIAL
WB10C*	1.12	6.30	26	27.2	36.0	Non-Fair
WB10*	0.71	6.80	31	39.1	73.5	Non-Fair
WB10B	0.30	6.90	19	49.5	50.5	Non-Poor
WB10A	0.10	7.00	31	52.6	65.0	PARTIAL
<b>Spring Brook 2021</b>						
WB10D*	1.51	6.00	30	33.2	78.5	Non-Fair
WB10C*	1.12	6.30	24	23.3	48.0	Non-Fair
WB10*	0.71	6.80	22	33.1	81.0	Non-Fair
WB10B	0.30	6.90	27	44.6	64.0	PARTIAL
WB10A	0.10	7.00	27	52.3	68.0	PARTIAL
<b>Spring Brook 2018</b>						
WB10D*	1.51	6.00	28	29.5	54.0	Non-Fair
WB10C*	1.12	6.30	18	29.1	34.0	Non-Poor
WB10*	0.71	6.80	25	42.8	69.5	PARTIAL
WB10B	0.30	6.90	11	51.6	51.7	Non-Poor
WB10A	0.10	7.00	15	56.0	56.0	Non-Poor

\*Sites are located within the project footprint.

See Tables 4 and 5 for the color key to IBI and QHEI scores.

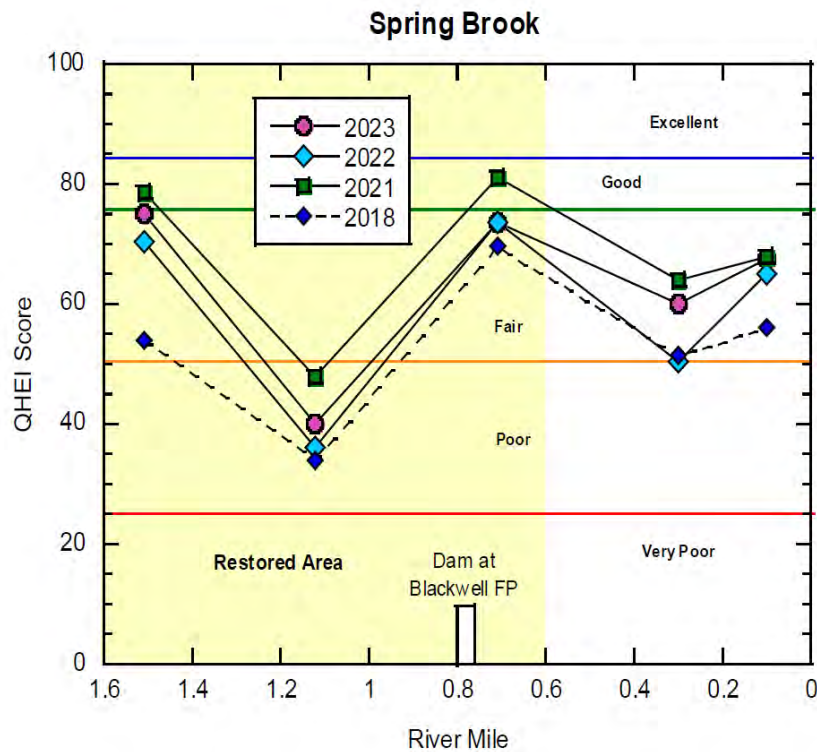
**Table 7.** Color Key to IBI Scores

Legend: Biological Indicators	
Green	Good
Yellow	Fair
Red	Poor
*	Significant departure from biocriterion
NS	Nonsignificant departure from biocriterion

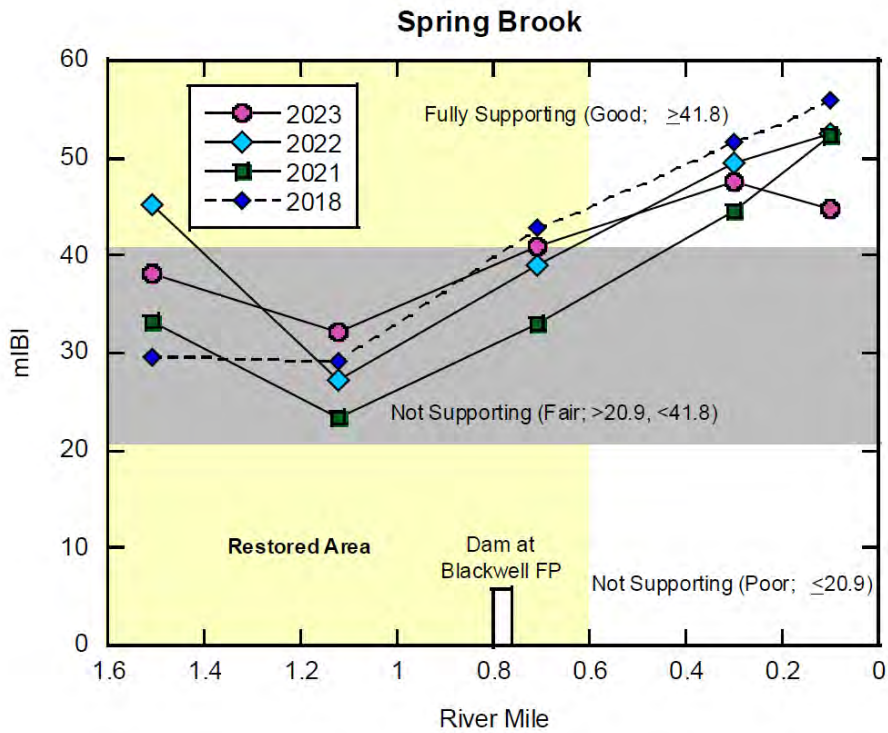
**Table 8.** Color Code to QHEI Scores

Legend: QHEI	
Blue	Excellent
Green	Good
Yellow	Fair
Orange	Poor
Red	Very Poor

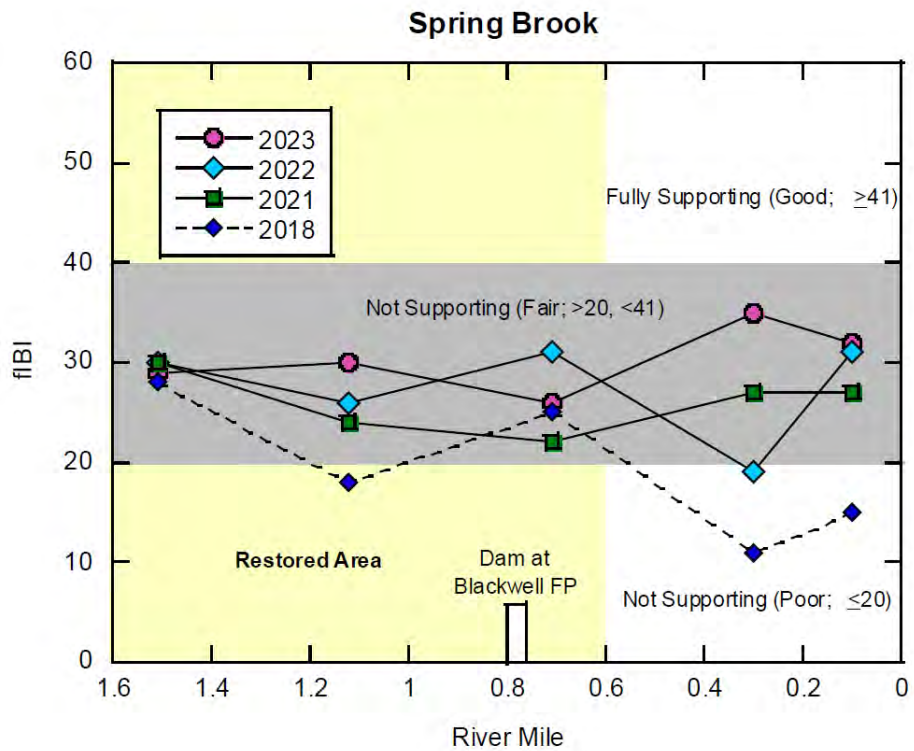
**Figure 1.** Pre- (2018) and Post-Project (2021, 2022, and 2023) QHEI Scores at Spring Brook Phase 2



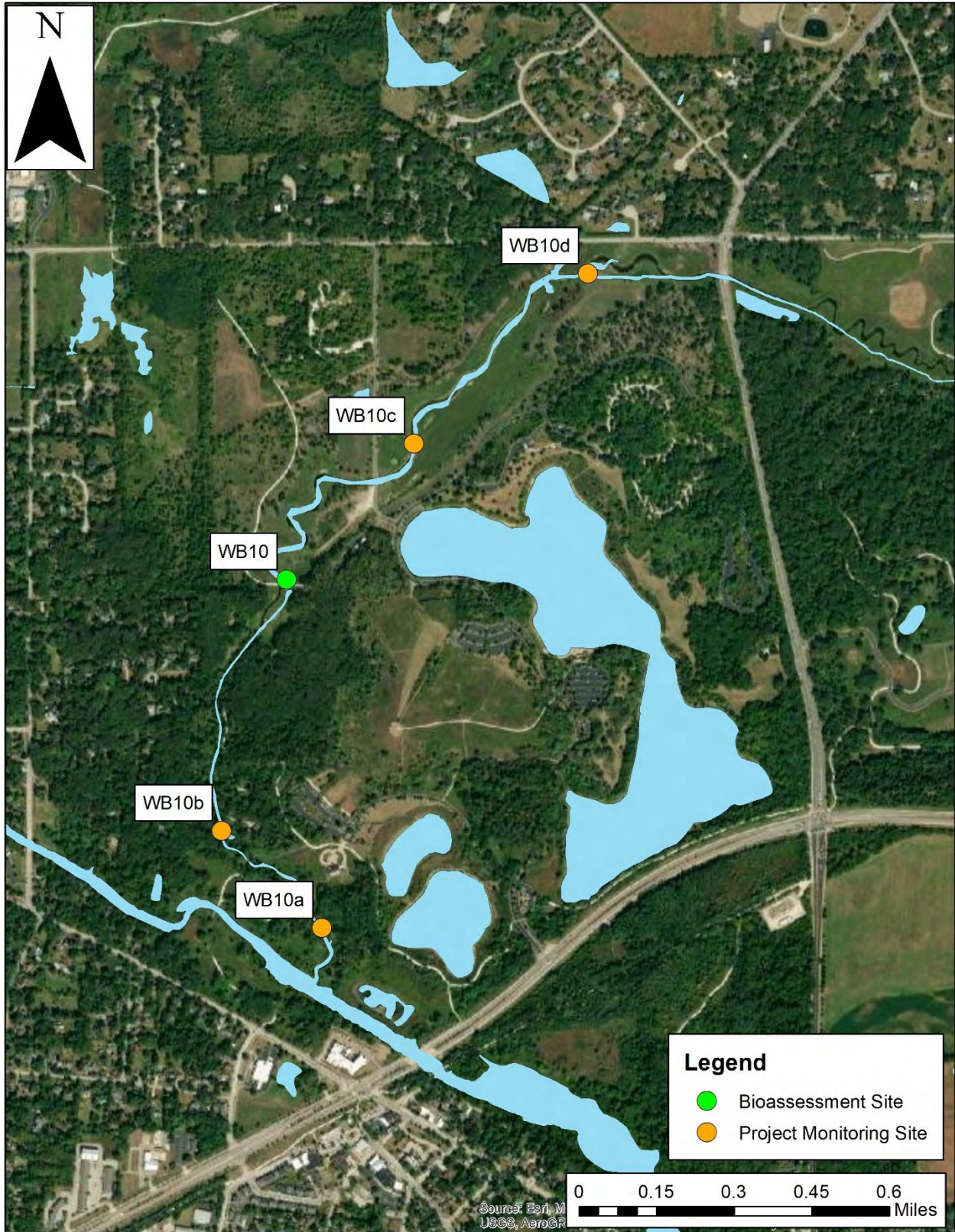
**Figure 2.** Pre- (2018) and Post-Project (2021, 2022, and 2023) mIBI Scores at Spring Brook Phase 2



**Figure 3.** Pre- (2018) and Post-Project (2021, 2022, and 2023) fIBI Scores at Spring Brook Phase 2







**Map 3.** Pre-and Post-Project Monitoring Sites at Spring Brook Phase 2

#### 1.4 Fullersburg Woods Dam Modification Concept Plan Development

- Special Conditions Listed Completion Date – December 2016
- Status – Complete (December 2016)

The DRSCW submitted the Fullersburg Woods Dam Modification Concept Plan to the IEPA on December 2016. The 2017 Annual Report included details on the findings of the Fullersburg Woods Dam Modification Concept Plan.

#### 1.5 Fullersburg Woods Dam Modification and Stream Restoration

- Special Conditions Listed Completion Date – December 31, 2024 (dam removal) and December 31, 2024 (stream restoration)
- Status – Outreach and Education Campaign is ongoing (started 2017). Master Planning process was completed in 2020. Final Design/Permitting/Preparation of Contract Bid Documents Construction is complete. Construction of the project started on November 8, 2023. The Fullersburg Woods dam has been removed and riffle #1 has been constructed. Stream restoration and vegetation management activities are on-going.

The Fullersburg Woods Dam Modification and Stream Restoration Project is located on the Salt Creek within the Fullersburg Woods Forest Preserve, Village of Oak Brook, DuPage County, Illinois. The Project's objectives are to raise QHEI above its current average of 47.45, raise fIBI at the sites upstream of the dam above its current average score of 14.0, raise mIBI above its current average score of 25.5 for approximately 1.25 river miles and to improve dissolved oxygen (DO) in the impoundment, as compared to the 2007-2018 data set. The DRSCW has been collaborating with FPDDC and the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) on this project. DRSCW has budgeted \$10,280,722 for design, construction and monitoring of this project.

##### 1.5.1 Site Description

The 2018 Annual Report provide details on the Project's site description.

##### 1.5.2 Research and Public Outreach

The 2021 Annual Report provided details on the Research and Public Outreach activities conducted between 2016 and 2021. All reports and materials developed as part of the research and public outreach phase of the Fullersburg Woods Dam Modification and Stream Restoration Project can be found at [RestoreSaltCreek.org](https://RestoreSaltCreek.org).

##### 1.5.3 Design Characteristics

The 2020 Annual Report provided the Project's design characteristics.

## 1.5.4 Permitting Requirements

All permits listed below are obtained for the Fullersburg Dam Removal and Stream Restoration Project in 2023. Details for each are included below.

- U.S. Army Corps of Engineers Individual Permit (LRC-2021-977)
  - Permit received on October 17, 2023
  - Illinois Historic Preservation Agency Section 106 Clearance – Consolation was closed in June 2023
- U.S. Fish & Wildlife Service Section 7 Consultation – No effects determination received on May 12, 2023. Illinois Department of Natural Resources
  - EcoCat Request – Signoff received
  - Dam Removal Permit – Permit received on September 29, 2023
  - Floodway Construction Permit
    - Delegated to DuPage County Stormwater
    - Permit received on May 25, 2023
- Illinois Environmental Protection Agency
  - 401 Water Certification (C-0192-22) – Certificate received on May 8, 2023
  - NPDES Permit for Construction (ILR10)
    - Notice of Intent – Issued on November 10, 2023
- Kane DuPage Soil and Water Conservation
  - Soil erosion and sediment control (SESC) review submittal – Signoff received on June 20, 2023
- DuPage County Stormwater Management Certification and Building Permit
  - Certificate received on May 25, 2023
- DuPage County Highway Access Permit
  - Permit received on November 21, 2023

## 1.5.5 Design Progress Report

### 1.5.5.1. *Phase 1: Development of the Concept Master Plan for Salt Creek at Fullersburg Woods*

The 2021 Annual Report describes all work conducted as part of the development of a Concept Master Plan for Salt Creek at Fullersburg Woods. The Concept Master Plan was completed in September 2021 and can be found at

[http://restoresaltcreek.org/wp-content/uploads/2020/09/concept-master-plan\\_09.17.20-final.pdf](http://restoresaltcreek.org/wp-content/uploads/2020/09/concept-master-plan_09.17.20-final.pdf)

### 1.5.5.2 *Phase 2: Concept Master Plan for Salt Creek at Fullersburg Woods Final Design and Preparation of Contract Bid Documents*

In early January 2021, the DRSCW entered into a contract with Hey and Associates, Inc. for the final design engineering and preparation of contract bid documents for the Concept Master Plan for Salt Creek at Fullersburg Woods. Work on this task in 2023-2024 focused on

coordination with permitting agencies, preparation of construction bid documents, and the public bidding of the project.

As discussed in section 1.5.4 Permitting Requirements, all project permits were obtained in 2023.

The Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) lead the bid process with the bid advertisement posted on June 21, 2023. A mandatory pre-bid site walk through for contractors was held on July 11, 2023 followed by a mandatory pre-bid meeting on June 12, 2023. Bids were opened on July 25, 2023. Two valid bids were received with V3 Companies submitting the low bid of \$9,375,745.00. The MWRDGC Board of Commissioners awarded V3 the contract for the construction of the Master Plan for Fullersburg Woods at their September 7, 2023 meeting.

### 1.5.6 Project Implementation

Site mobilization began in early November 2023. Initial activities included the installation of construction fencing, construction signage, and the setup of a construction staging area near the intersection of York and Spring Roads (Plate 1 and Plate 2).

**Plate 1.** Photograph of the Master Plan for Fullersburg Woods construction sign



**Plate 2.** Photograph of the construction staging area at Fullersburg Woods (November 2023).



On November 27, 2023, instream work for the removal of the Graue Mill (also known as the Fullersburg Woods) dam began with the installation of a causeway upstream of the dam. Kane DuPage Soil and Water Conservation District (KD SWCD) and the US Army Corps of Engineers (US ACOE) also conducted an inspection of the instream work area on November 27, 2023. Photographs of the instream work including the installation of the causeway are included in Plate 3 to Plate 5.

**Plate 3.** Photograph of the instream work area at the completion of day 1 (November 27, 2023).



**Plate 4.** Photograph of the installation of the causeway upstream of the dam (November 29, 2023).



**Plate 5.** Photograph of one of the silt curtains utilized in the instream work (November 27, 2023).



On November 30, 2023, the causeway was completed and work began on the demolition of the dam. By the end of the day on November 30, 2023, the majority of the dam visible above the water line had been removed. Rainfall on December 1, 2023 caused a pause in instream work until December 6, 2023. Work conducted between December 6, 2023 and December 13, 2023 focused on the removal of the dam to its spread footing and the removal of the dewatering structure that was located on the north bank of Salt Creek. Plate 6 to Plate 10 depict the construction activities conducted between November 30, 2023 and December 14, 2023.

**Plate 6.** Photograph of the completed causeway upstream of the Graue Mill dam (November 30, 2023).



**Plate 7.** Photograph of the Graue Mill dam during removal (November 30, 2023).





**Plate 8.** Photograph of the Graue Mill dam at the end of the initial day of removal (November 30, 2023).



**Plate 9.** Photograph of the Graue Mill dam at the end of the day on December 8, 2023.



**Plate 10.** Photograph of the demolition of the dewatering structure (December 11, 2023).



On December 15, 2023, the construction of Riffle #1 at the former location of the dam began. The installation of Riffle #1 was completed by December 19, 2023. The completion of Riffle #1 was required to be completed by December 31, 2023 so the contractor has sufficiently fulfilled their contractual obligations in regard to this milestone. Plate 11 to Plate 14 depict the construction of Riffle #1 in the location of the former Graue Mill dam.

**Plate 11.** Photograph of the construction of Riffle #1 at Fullersburg Woods (December 15, 2023)



**Plate 12.** Photograph of the installation of a boulder in Riffle #1 (December 15, 2023)



**Plate 13.** Photograph of Riffle #1 at Fullersburg Woods at the end of the day on December 15, 2023



**Plate 14.** Photograph of Riffle #1 (former dam location) at Fullersburg Woods on December 19, 2023



Winter 2024 activities have focused on upland vegetation management including selective clearing and tree removal. Selective clearing will be completed by March 30, 2024. Temporary seeding of wetland conversion areas has also been conducted. Plate 15 and Plate 16 depict the vegetation management activities being conducted at Fullersburg Woods during the winter of 2024.

**Plate 15.** Photograph of selective clearing on Willow Island at Fullersburg Woods (February 14, 2023)



**Plate 16.** Photograph of brush pile burning at Fullersburg Woods (February 22, 2023)



Activities for the remainder of 2024 will focus on two areas: 1) completion of the public amenities around the Graue Mill and 2) completion of the Salt Creek stream restoration. The public amenities included in the Master Plan for Salt Creek at Fullersburg Woods include the construction of a new overlook and paved trail and the installation of a motor to turn the Graue Mill's waterwheel, and a water feature in the Graue Mill's raceway (Plate 17). The amenities will be completed by May 15, 2024.

**Plate 17.** Public amenities included in the Master Plan for Salt Creek at Fullersburg Woods



The contractor, V3 Companies, also plans on starting the Salt Creek stream restoration work in late May/early June 2024. The stream restoration work includes the construction and/or enhancements of eight (8) pool and riffles from the former dam location to Rainbow bridge within the Fullersburg Woods Forest Preserve. Also included in the stream restoration work is naturalized streambank restoration at numerous areas along the channel. Vegetation management includes seeding and plantings of riparian wetland and uplands areas. The stream restoration activities are required by the contract to be completed by December 31, 2024. Plate 18 depicts the stream restoration practices included in the Master Plan at Fullersburg Woods.

A complete project schedule is included in Table 9.

**Table 9.** Project schedule for the Master Plan for Salt Creek at Fullersburg Woods

Date	Activity
December 31, 2023	Dam Removal Complete and Construction of Riffle #1
March 30, 2024	Completion of Selective Clearing
May 15, 2024	Completion of all work around the Graue Mill including the installation of the water wheel motor, mill race pump system, and overlooks
December 31, 2024	Substantial Completion – Completion of all stream restoration activities (pools/riffles, streambank stabilization, etc.)
May 15, 2027	Installation of Trees and Shrubs
June 30, 2030	Regulatory Sign-Off of Natural Areas Management, Monitoring, and Reporting

### 1.5.7 Project Impact Evaluation

The 2021 Annual Report details the pre-project sampling completed to date. Post-project sampling will be conducted for a minimum of three (3) consecutive years upon completion of construction and stabilization activities.



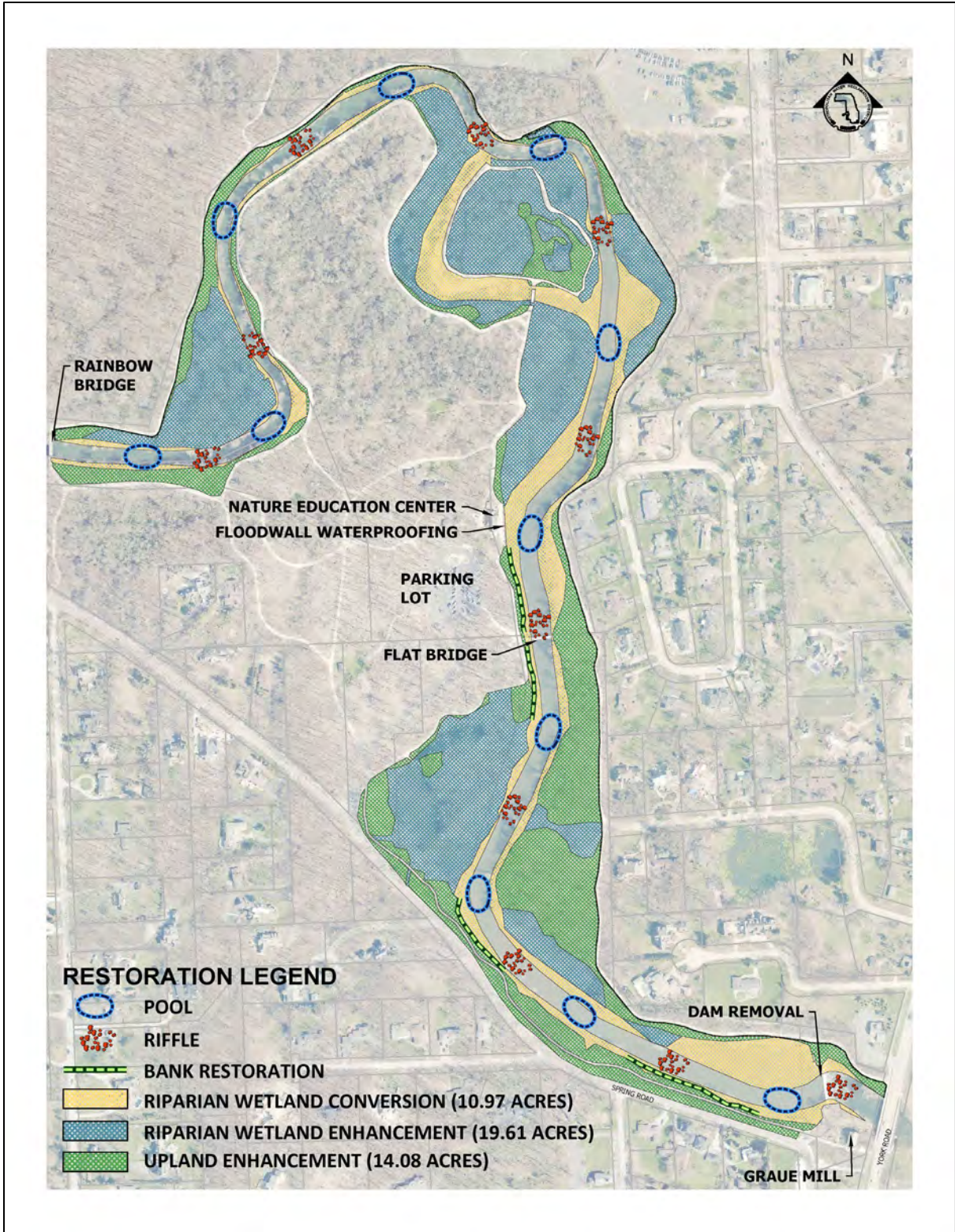


Plate 18. Stream Restoration Practices included in the Master Plan at Fullersburg Woods

## 1.6 West Branch Physical Enhancement – Klein Creek Streambank Stabilization Project

- Special Conditions Listed Completion Date – December 31, 2023
- Status — Construction was completed in 2022. Plugs, trees, and shrubs were installed in 2023. Post-project monitoring is scheduled to begin in 2024.

The DRSCW has entered in a Memorandum of Understanding (MOU) with the Village of Carol Stream to fund the river resource improvement elements of the Klein Creek Streambank Stabilization -- Section I. Klein Creek is a tributary to the West Branch of the DuPage River. The objectives of the Project are to raise QHEI above its current score of 41.25 and to raise fIBI and mIBI scores in Klein Creek. The DRSCW budgeted \$1,249,623 for the Project's construction and three years of post-project monitoring. Construction funding was also provided by the Village of Carol Stream.

### 1.6.1 Site Description

The 2021 Annual Report provides a site description.

### 1.6.2 Design Characteristics

The 2021 Annual Report provided the Project's design characteristics.

### 1.6.3 Permitting Requirements

The 2021 Annual Report included details on the Project's permitting requirements. All required permits for the projects were obtained prior to the start of construction in 2022.

### 1.6.4 Project Implementation

The contract was awarded on May 2, 2022, but the contractor did not mobilize to the site until mid-August 2022. The work began with a few weeks for tree removal and clearing and grubbing throughout the entire project limits of Section I.

A temporary diversion channel was constructed on each end of an existing compensatory storage basin. A sheet pile cofferdam was placed a few hundred feet downstream of the wastewater treatment plant's outfall and began diverting the flow into the diversion channel on September 20<sup>th</sup>.

Excavation of the new channel proceeded from upstream to downstream. The streambed and rock toe installation occurred in parallel and just behind the excavation. Gaps were left for later installation of the toe wood. The upstream rock substrate area and associated boulder weir were installed "in-the-dry", while the boulder weir for the downstream rock substrate area was installed after streamflow was introduced into the new channel.

The flow was temporarily stored in the compensatory storage basin while the downstream end of the diversion channel was removed and the last stretch of streambank stabilized. Flow was officially re-introduced into the newly constructed channel on October 14<sup>th</sup>.

Work continued on the rock toe, as well as backfilling the toe wood areas with the same rock.

The handful of stream barbs at the downstream end were installed “in-the-wet”. The habitat boulders and habitat wood were also placed “in-the-wet” as directed by the designer-of-record in the field.

Except for the “Economy Prairie” seed mix, which was installed with a rangeland seed drill, the other seed mixes were hand-broadcast and covered with an erosion control blanket. Work was substantially completed by mid-November 2022. Trees and shrubs were planted in late Spring 2023. Despite near drought conditions after planting, less than 10% had to be replaced in late Fall 2023. Those same drought conditions delayed planting the plugs until early Fall 2023. Supplemental plugs are available if the coverage of the initial plugs is insufficient (for non-workmanship reasons). If needed, they will be planted in Fall 2024. Monitoring and management of the native plants will occur through 2025.

Photographs of the Klein Creek Streambank Stabilization Project with detailed descriptions are provided in Plate 19 to Plate 32.

**Plate 19.** Aerial photograph of Klein Creek Streambank Stabilization Project (October 2022)  
By mid-October 2022 approximately  $\frac{2}{3}$  of the new channel had been excavated, with about  $\frac{1}{2}$  having also been filled with the new streambed material. Construction proceeded from upstream to downstream (east-to-west; right-to-left). The temporary diversion channel is to the south and partially cuts through an existing compensatory storage basin to save costs.



**Plate 20.** Aerial photograph Looking upstream (east) on Klein Creek from Kuhn Road (September 16, 2022).

Most of the undesirable woody species have been removed. Most of the trees in the foreground will be used later for creating the toe wood. A dump truck uses the temporary bridge on its way towards an excavator constructing the temporary diversion channel.



**Plate 21.** Photograph of vegetation management at the Klein Creek Streambank Stabilization Project. Good weather in early November allowed for additional herbiciding to the numerous teasel (*Dipsacus*) rosettes.



**Plate 22.** Photograph of seeding and stabilization at the Klein Creek Streambank Stabilization Project. Seeding and blanketing began after completion of the earthwork in mid-October and continued through mid-November. A rangeland seed drill was used for the larger areas planted with an “Economy Prairie” seed mix.



**Plate 23.** Photograph of streambank construction at the Klein Creek Streambank Stabilization Project. The streambank is lined with sandy-cobble up to the estimated bankfull elevation. The streambed is constructed with a 12-inch-thick layer of a cobbly-sand mixture. The contractor imported river run material sourced from a local quarry.



**Plate 24.** Photograph of toe wood installation at the Klein Creek Streambank Stabilization Project. The areas for toe wood were excavated before the rootwads were placed; then they were backfilled with the same sandy-cobble mixture used on the rock toe. All rootwads used in the toe wood were harvested from onsite. Sand has also been added to the rock toe along the streambank in order to provide the growing medium for the plugs.



**Plate 25.** Photograph looking upstream on Klein Creek from Kuhn Road (October 12, 2022). Photograph looking upstream (east) from Kuhn Road at the downstream end of the temporary diversion channel. The temporary channel was filled and flow was diverted into the new channel on October 14, 2022.



**Plate 26.** Photograph of a rock substrate area at the Klein Creek Streambank Stabilization Project. The rock substrate areas were designed to mimic a rock riffle by placing a weir of large boulders followed by a downstream stretch (photo left) of cobbled substrate. Due to the flat gradient, this boulder weir was installed “in-the-wet” to ensure that their tops were above the normal water level.





**Plate 27.** Looking downstream (west) on Klein Creek at the Kuhn Road culverts. Stream barbs were placed to maintain the thalweg near the center of the stream before reaching the culverts. They were constructed out of a line of large boulders set at a shallow angle to the bank and gradually dropping below the water line. In the foreground is the overflow weir for a constructed wetland.



**Plate 28.** Aerial photo upstream view on Klein Creek from Kuhn Road (December 1, 2022). Aerial photograph taken looking upstream (east) from Kuhn Road. Section I-A extends to the Village of Carol Stream Water Reclamation Center's outfall, which is a few hundred feet upstream of the first constructed meander.



**Plate 29.** Aerial photograph of looking downstream on Klein Creek from Section 1-A (December 1, 2022).

Aerial photograph taken looking downstream (west) from the upstream end of Section I-A. A couple of the constructed wetlands are holding water after a ¼" rain event earlier in the week.



**Plate 30.** Looking downstream at one of the rock weirs constructed for controlling the overflow into a wetland.

The recently planted plugs are visible in both the wetland (on the left) and the vegetated rock toe (on the right).



**Plate 31.** Looking downstream at a constructed oxbow in the previous streambed location. Wood harvested onsite and stabilized in place with boulders. Plugs are visible in the foreground during abnormally low flow conditions.



**Plate 32.** Looking downstream at the recently planted plugs within the vegetated rock toe.



### 1.6.5 Project Impact Evaluation

As the Project was under construction during the 2022 sampling season, so no pre- or post-project sampling was conducted for that year. Post-project sampling is scheduled to begin in the Summer of 2024.

### 1.7 Southern East Branch Stream Enhancement

- Special Conditions Listed Completion Date – December 31, 2027
- Status – Final Design/Construction is in progress and is scheduled for completion in 2023-2024.

The Southern East Branch Stream Enhancement Project is located on the East Branch DuPage River between its intersection with Royce Road and its intersection with Washington Street in the Village of Bolingbrook and City of Naperville, Will County, Illinois. The Project's objectives are to raise QHEI above its current score of 65, raise fIBI above its current score of 29.0, and raise mIBI above its current score of 38 throughout the length of the project. The DRSCW will be collaborating with the Forest Preserve District of Will County (FPDWC), the Village of Bolingbrook and City of Naperville, and the Bolingbrook and Naperville Park Districts for this project (referred to collectively as the partners). The DRSCW has budgeted \$4,196,436 for design, construction, and monitoring of this project.

#### 1.7.1 Site Description

The 2021 Annual Report provided a site description.

#### 1.7.2 Design Characteristics

The 2021 Annual Report described the Project's design characteristics.

#### 1.7.3 Permitting Requirements

Permit coordination for the Project has not yet started. At a minimum, it is anticipated coordination with the following agencies will be required:

- US Army Corps of Engineers (US ACOE)
- United States Fish and Wildlife Service
- Illinois Department of Natural Resources (IDNR)
- Illinois Environmental Protection Agency (IEPA)
- Will County Stormwater Commission
- Will-Cook Soil and Water Conservation District

#### 1.7.4 Design Progress Report

The 2021 Annual Report provides details on the "Lower East Branch River Stream Restoration Project, DuPage & Will Counties, IL Conceptual Design Report". In early 2022, the ACOE notified the DRSCW that reaches 2-4 of the Lower East Branch Stream Enhancement Project

was eligible for funding under the Section 206 Aquatic Restoration Program for FY23. The project had been on hold until the federal funding is available to the DRSCW. The DRSCW plans on proceeding with the final design and preparation of bid documents for the project during the 2024-2025 reporting year.

### 1.7.5 Project Impact Evaluation

The DRSCW and MBI developed a monitoring plan to assess the pre- project conditions at the Southern East Branch Stream Enhancement Project. Pre-project biological and habitat data was collected at six (6) sites (EB33, EB43, EB35, EB34, EB39, and EB38) that have been included in previous watershed surveys conducted as part of the bioassessment program in 2008, 2011, 2014, and 2019. In 2019, one (1) additional site (EB47) was added to the bioassessment sites so that additional biological and habitat data could be collected from within the project corridor for a total of eight (8) pre-project sampling sites. Furthermore in 2021 and 2023, three (3) additional pre-project sites (EB44, EB45, and EB46) were added for a total of eleven (11) pre-project sampling sites. EB40 is a bioassessment site that is located downstream of the proposed project limits and was sampled in 2014, 2019, 2021, and 2023 to serve as a control site.

Table 10 includes the results of the pre-project 2014, 2019, 2021, and 2023 surveys collected by the DRSCW. Figure 4 to Figure 6 depict the pre-project QHEI (Figure 4); mIBI scores (Figure 5); and fIBI scores (Figure 6). Map 4 depicts the pre-project monitoring sites at the Southern East Branch Stream Enhancement Project.

**Table 10.** Pre- (2014, 2019, 2021, and 2023) Project Biological and Habitat Data collected at Southern East Branch Stream Enhancement

Site ID	River Mile	Drainage Area (sq mi.)	fIBI	mIBI	QHEI	Attainment Status
<b>East Branch DuPage River 2023</b>						
EB40	7.60	68.60	26	48.9	62.0	PARTIAL
EB33	7.00	70.90	30	39.9	69.0	NON-Fair
EB43	6.60	71.60	29	48.3	72.0	PARTIAL
EB43A	6.30	71.70	23	NA	63.0	NA
EB35	6.00	76.40	24	44.3	52.0	PARTIAL
EB46	5.67	73.35	33	44.5	68.0	PARTIAL
EB45	5.40	73.59	31	42.1	63.0	PARTIAL
EB34	5.00	76.40	32	43.0	68.0	PARTIAL
EB39	4.00	78.00	28	36.8	54.8	NON-Fair
EB44	3.66	76.05	27	41.9	56.3	PARTIAL
EB38	3.00	81.00	31	39.8	70.0	NON-Fair
<b>East Branch DuPage River 2021</b>						
EB40	7.60	68.60	26	37.6	68.8	NON-Fair
EB33	7.00	70.90	24	47.1	72.0	PARTIAL
EB43	6.60	71.60	30	45.9	76.5	PARTIAL
EB35	6.00	76.40	22	39.8	57.0	NON-Fair
EB46	5.67	73.35	32	36.6	64.3	NON-Fair
EB45	5.40	73.59	28	36.1	70.0	NON-Fair
EB34	5.00	76.40	28	28.1	72.5	NON-Fair
EB39	4.00	78.00	30	39.7	57.0	NON-Fair
EB44	3.66	76.05	30	36.5	58.5	NON-Fair
EB38	3.00	81.00	34	49.2	75.5	PARTIAL
<b>East Branch DuPage River 2019</b>						
EB40	7.60	63.00	18	27.9	62.5	NON-
EB33	7.00	64.00	23	31.2	69.0	NON-Fair
EB43	6.60	64.00	24	-	72.0	NON-Fair
EB43A	6.30	71.70	21	-	64.0	NON-Fair
EB35	6.00	72.40	26	40.4	52.8	NON-Fair
EB34	5.00	78.00	23	40.4	67.3	NON-Fair
EB39	4.00	78.00	23	42.0	50.5	NON-Fair
EB38	3.00	81.00	30	40.8	77.0	NON-Fair
<b>East Branch DuPage River 2014</b>						
EB40	7.60	63.00	29	31.6	62.0	NON-Fair
EB33	7.00	64.00	36	21.9	66.0	NON-Fair
EB43	6.60	64.00	34	33.0	61.5	NON-Fair
EB35	6.00	72.40	25	34.9	50.0	NON-Fair
EB34	5.00	78.00	25	36.0	65.0	NON-Fair
EB39	4.00	78.00	28	32.2	58.8	NON-Fair
EB38	3.00	81.00	32	31.5	68.0	NON-Fair

Figure 4. Pre- (2014, 2019, 2021, and 2023) Project QHEI at Southern East Branch Stream Enhancement

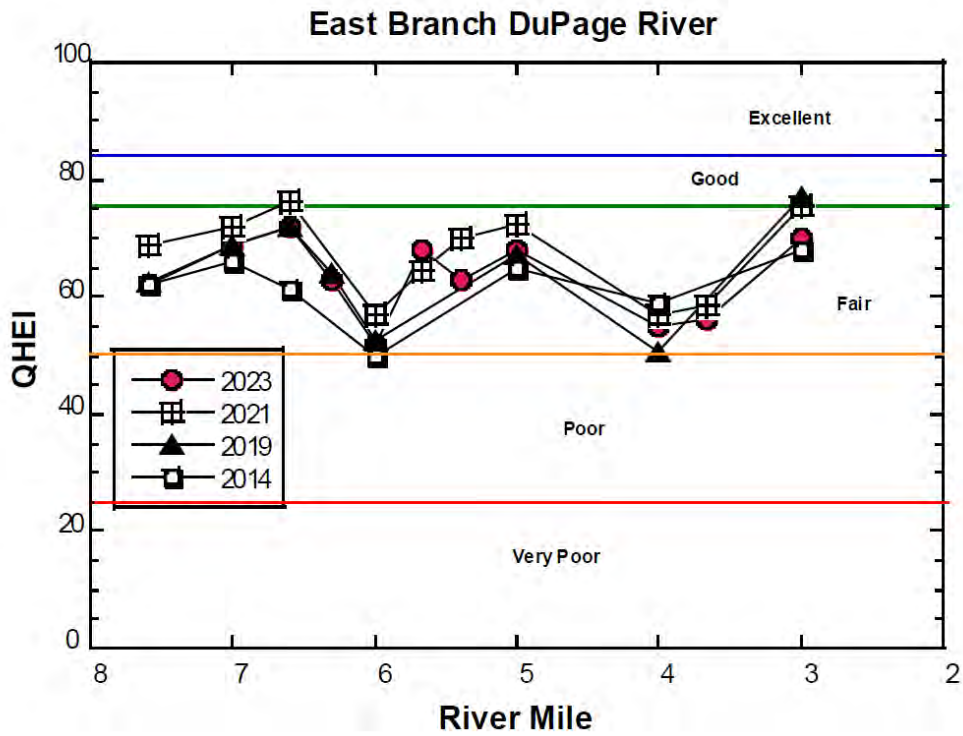


Figure 5. Pre- (2014, 2019, 2021, and 2023) Project mIBI at Southern East Branch Stream Enhancement

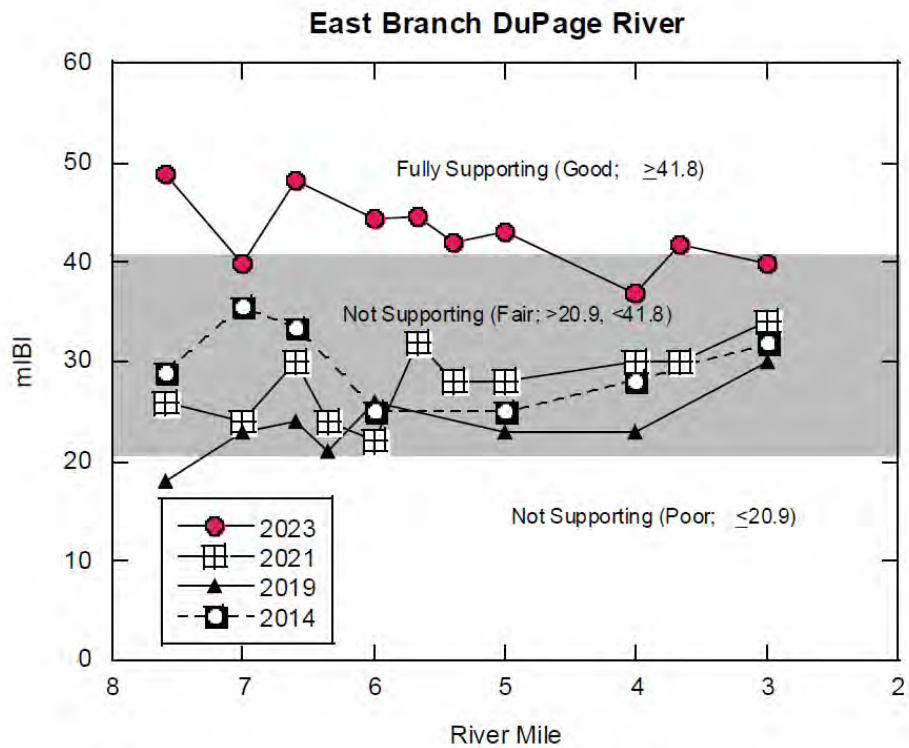
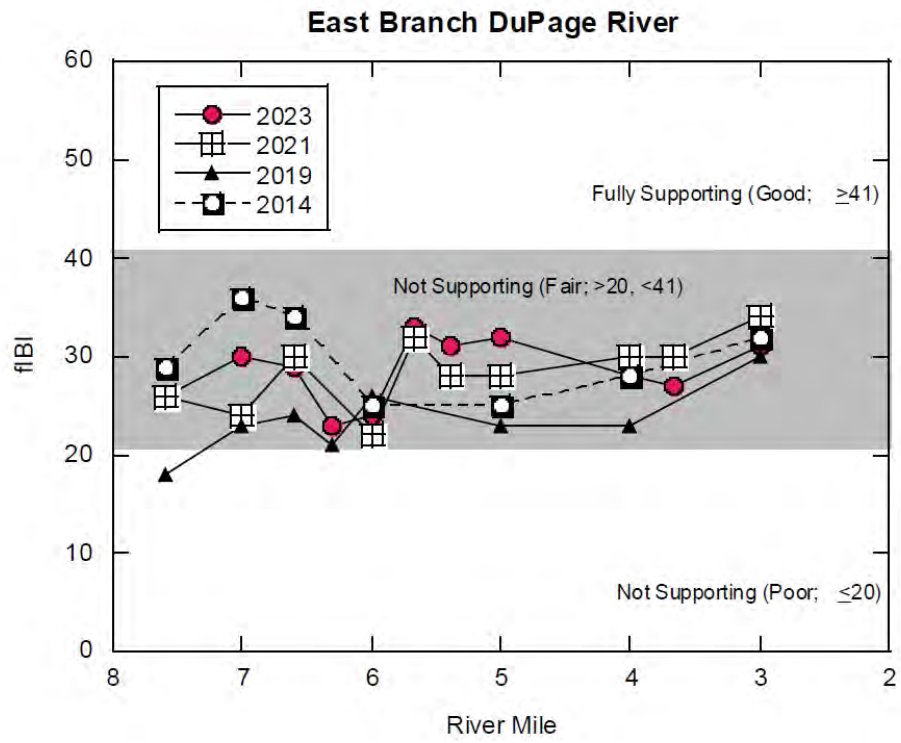


Figure 6. Pre- (2014, 2019, 2021, and 2023) Project fIBI at Southern East Branch Stream Enhancement







**Map 4.** Pre-Project Monitoring Sites at the Southern East Branch Stream Enhancement Project

## 1.8 Hammel Woods Dam Modification

- Special Conditions Listed Completion Date – December 31, 2022
- Status – Complete. The Hammel Woods dam was removed in Summer 2021 and the Project is complete. Post-project monitoring is on-going. Year 1 of post-project monitoring was completed in 2021 and Year 2 of post-project monitoring was completed in 2022. Year 3 of post-project monitoring is scheduled for 2023.

The Hammel Woods dam was located on the Lower DuPage River within the Hammel Woods Forest Preserve, Shorewood, Will County, Illinois. The objective of the Project was to increase FBI at sites located upstream of the dam. Fish sampling conducted both upstream and downstream of the dam in 2012-2018 indicated that the Hammel Wood dam blocked eight species, including Central Mudminnow, Grass Pickerel, Mimic Shiner, Yellow Bass, Northern Sunfish, Slenderhead Darter, Pumpkinseed Sunfish, and Log Perch, from accessing the DuPage River watershed upstream of the dam. The LDRWC collaborated with the Forest Preserve District of DuPage County on the Hammel Woods Dam Modification Project. The LDRWC spent \$611,270.76 on the project design and construction and has \$15,000 budgeted for post-project monitoring.

### 1.8.1 Site Description

The 2017 Annual Report provided a site description.

### 1.8.2 Design Characteristics

The 2017 Annual Report provided the Project's design characteristics.

### 1.8.3 Permitting Requirements

The 2020 Annual Report includes details on the Project's permitting requirements.

### 1.8.4 Project Implementation

The 2021 Annual Report details the Project's implementation.

### 1.8.5 Project Impact Evaluation

The LDRWC and Midwest Biodiversity Institute (MBI) developed a monitoring plan to assess the removal of the Hammel Woods dam. Fish and habitat pre- and post-project monitoring were completed at four (4) sites in 2019, 2021, and 2022 and is detailed in the 2022 Annual Report. No post-project sampling was conducted in 2023. Additional post-project sampling is scheduled for 2025.

## 1.9 DuPage River Stream Enhancement

- Special Conditions Listed Completion Date – December 31, 2022

- Status – Final Design and Preparation of Contract Bid Documents is on-going. Construction is expected to begin in Winter 2023.

The Lower DuPage River Stream Restoration Project is located on the mainstem of the DuPage River between Route 126 and Renwick Road, Village of Plainfield, Will County, Illinois. The objectives of the Project are to raise QHEI, fIBI and mIBI scores in Lower DuPage River. The LDRWC budgeted \$2,250,000 for the construction of the Project.

### 1.9.1 Site Description

The 2021 Annual Report provided a site description.

### 1.9.2 Design Characteristics

Preliminary concept plans and associated hydraulic modeling are under review by the Project Committee. Plate 33 is the draft concept plan prepared by Hey and Associates for the DuPage River Stream Enhancement Project. Once concept plans are approved final engineering and permit applications will be completed. Project will be bid and managed by the Village of Plainfield.

### 1.9.3 Permitting Requirements

The permits listed below are required for the DuPage River Stream Enhancement Project. Status as of March 1, 2024 is included.

- US Army Corps of Engineers (US ACOE) Nationwide Permits 27 (and maybe 13 and 42) (LRC-2023-0742)
  - Application submitted in November 2023 – Pending
  - Illinois Historic Preservation Agency Section 106 Clearance – Pending
  - U.S. Fish & Wildlife Service Section 7 Consultation – Completed USFWS self-documenting Section 7 Consultation in 2022
- Illinois Department of Natural Resources (IDNR)
  - EcoCat Request – Signoff Received
  - Floodway Constriction Permit submitted on November 22, 2023 – Pending
- Illinois Environmental Protection Agency (IEPA)
  - NPDES Permit for Construction (ILR10)
    - Notice of Intent – Will be submitted by contractor upon award
- Will County Stormwater Commission
  - Delegated to Village of Plainfield
- Village of Plainfield Building and Stormwater Permits
  - Application submitted on January 18, 2024 – Pending
- Will-Cook Soil and Water Conservation District
  - Soil erosion and sediment control (SESC) review submittal – Pending

#### 1.9.4 Design Progress Report

In late 2021, the LDRWC initiated a qualifications-based selection process to select a consultant to assist with the final design and preparation of contract bid documents for the Lower DuPage River Stream Restoration Project. In mid-January 2022, the LDRWC entered into a contract with Hey and Associates, Inc. for the final design engineering and preparation of contract bid documents for the Lower DuPage River Stream Restoration Project. The scope of work included in this contract is discussed below. Preliminary work on the contract began in early 2022.

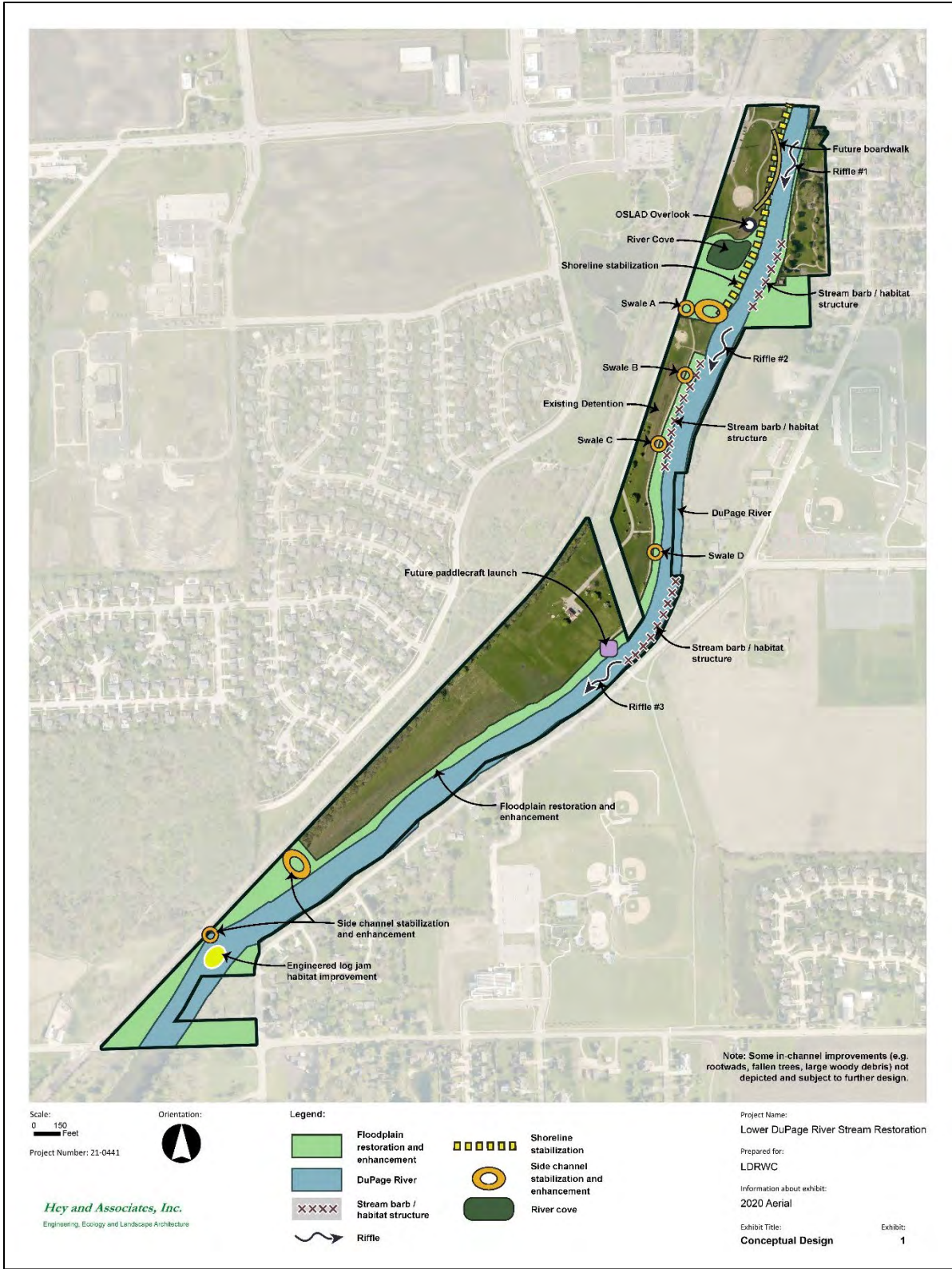


Plate 33. Concept Plan for the DuPage River Stream Enhancement

### Task 1 – Site Survey

Task 1 includes a site survey of the proposed project area and was completed in 2022.

### Task 2- Wetlands/Waters of the United States Assessment

Task 2 includes a site survey of the delineation wetlands and Waters of the United States and Will County jurisdictional wetlands. Task 2 was completed in 2022.

### Task 3 –Final Design Engineering

Task 3 includes the final design engineering of all project components, including but not limited to stream restoration practices and amenities as included in the Village of Plainfield’s Riverfront Master Plan. Task 3 was completed in late 2023 but may be revised based on permit comments/questions.

### Task 4 – Hydraulic and Hydrologic Modeling

Task 4 includes the development of a hydrology/hydraulic model(s) necessary for design, permitting, and construction. Modeling will ensure that the design of the in-stream features meet the enhancement goals of the project, are sustainable for the long-term, and do not negatively impact downstream or upstream properties. Task 4 was completed in 2023.

### Task 5 – Procure Local, State, and Federal Permits for the Master Plan

Task 5 includes the preparation of all permit applications needed to procure all local, state and federal permits. At a minimum, it is anticipated coordination with the following agencies will be required:

- US Army Corps of Engineers (US ACOE)
- United States Fish and Wildlife Service
- Illinois Department of Natural Resources (IDNR)
- Illinois Environmental Protection Agency (IEPA)
- Will County Stormwater Commission

### Task 6 –Preparation of Cost Estimate and Contract Bid Documents

Task 6 includes the preparation of contract bid documents and cost estimates. Hey and Associates, Inc. will also provide Bid Assistance by addressing contractor questions during the public bid process. Task 6 is ongoing.

### Task 7 – Coordination Meetings

Task 7 includes six (6) meetings with Hey and Associates, Inc, LDRWC, and project stakeholders. These meetings will include: project kick off meeting, two (2) stream restoration design alternatives selection meeting, and design review meetings at 50%, 75% and 100% of completion. Task 7 is ongoing.

### 1.9.5 Project Impact Evaluation

The LDRWC and Midwest Biodiversity Institute (MBI) developed a monitoring plan to assess the DuPage River Stream Enhancement Project. Macroinvertebrates, fish and habitat monitoring were completed at four (4) sites in 2022 as part of pre-project monitoring and is detailed in the 2022 Annual Report. No pre-project sampling was conducted in 2023. Post-project sampling is scheduled for 2025.





## Chapter 2 Chloride Reduction Program

The Special Conditions Paragraph 3 requires NPDES holder participation in a watershed Chloride Reduction Program either directly or through the DRSCW and/or LDRWC. This section summarizes the DRSCW and LDRWC Chloride Reduction Program activities in 2023-2024.

### 2.1 Technical Workshops

In 2007, the DRSCW held its first deicing workshop to highlight new deicing methods, NPDES water quality goals, and best management practices in order to reduce chlorides and costs. In the following years, the DRSCW offered an additional workshop that targeted contractors responsible for snow and ice management of parking lots and sidewalks. Since 2007 the DRSCW has executed workshops every year targeting personnel responsible for 1) public roads and 2) parking lots and sidewalks. The programs have provided training and resources for numerous attendees at various agencies (Plate 34).



**Plate 34.** PowerPoint Slide from October 4, 2023 Public Roads Workshop

In 2023 the deicing workshops were held again as webinars. The workgroup staff for the DRSCW, LDRWC, Lower Des Plaines Watershed Group (LDWG), and Chicago Area Waterways Chloride Workgroup (CAWCW) collaborated with staff from Lake County DOT and Health Dept. to coordinate the workshops.

Registration was made available to agencies over a wide area of northeastern Illinois resulting in staff attending from Cook, DuPage, Kane, Lake, McHenry and Will Counties. Public Roads Deicing Workshops were held on September 26, October 4, and October 10, 2023. Staff from Bolton-Menk, Inc. from Minnesota were engaged to present the material. A registration fee was required per agency in order to view the webinar. The links were shareable within an agency. A survey was provided at the end of each webinar to those who had signed

**Plate 35.** PowerPoint Slide from Oct. 2, 2023 Parking Lots & Sidewalks Workshop in asking for the number of attendees from each agency and for an evaluation of the workshop.



The survey results indicated that a minimum of 690 persons attended the three 2023 Public Roads workshops. Certificates of attendance were provided to those who requested them. A link to the *Minnesota Snow and Ice Control: Field Book for Snowplow Operators* was provided to each registrant.

The Parking Lot and Sidewalk Deicing Workshop webinars were held on October 3 (Plate 35) and October 17, 2023 and presented by staff from The Conservation Foundation through the Salt Smart Collaborative. The survey results indicated that there was a minimum of 330 persons who viewed the webinars. Certificates of attendance were provided to those who requested them. The surveys provided an opportunity to provide an evaluation on the webinars. A link was sent to each registrant for the *Illinois Winter Maintenance Manual for Parking Lots and Sidewalks* developed by the Salt Smart Collaborative (developed in part by a Section 319 Grant issued by IEPA).

**Plate 15.** Photo from the Northeast Illinois Salt Conference on Sept. 12, 2023.



In addition, an in-person Northeast Illinois Salt Conference was held on Sept. 12, 2023 at Medinah Shriners in Addison (Plate 15). Three speakers represented Evanston, Niles, and Carol Stream. Their presentations covered Weather and Pavement Temperature, Route Management, and Liquids. A representative from NIPSTA discussed Plow Driver training. The Conservation Foundation staff presented on the new Salt Smart Certified program for parking lots and sidewalks. The workshop was attended by 101 public works directors and supervisors. The Conference was supported by The

Conservation Foundation staff, the DuPage River Salt Creek Workgroup, Lower DuPage River Watershed Coalition, Lower Des Plaines Watershed Group, Chicago Area Waterways Chloride Workgroup, and the Salt Smart Collaborative. Exhibitors in attendance were Henderson Products and Kueper Blades.

### **Illinois RiverWatch Chloride Watchers Program**

The Conservation Foundation partnered with the Illinois RiverWatch Network (RiverWatch) to expand RiverWatch's Winter Chloride Watchers program in Northeast Illinois for the 2023-2024 winter season. RiverWatch is a statewide biological monitoring program that provides volunteers a hands-on opportunity to become stewards of our local waterways by monitoring stream habitat and water quality. Winter Chloride Watcher volunteers collect and test water samples from local waterways for chloride on a monthly basis between November and May. The Winter Chloride Watchers program provides volunteers with training on the impact of chlorides on the environment, use of their test kits, listing of their reports online, and information on what Illinois communities are doing to reduce their impact from chlorides.

### **LDRWC's Seasonal Educational Materials**

During this reporting period, the LDRWC shared seasonal educational materials for members to use in residential outreach efforts (Plate 36). The materials were made available through their

website <https://ldpwatersheds.org/outreach/salt-smart/> and through the Salt Smart Collaborative website at [www.saltsmart.org](http://www.saltsmart.org). The LDRWC is one of the lead collaborators for SaltSmart.org. Materials included blog posts, newsletter articles, supporting social media graphics, posters/handouts, plastic cups for spreading salt correctly and a bookmark with information for residents. A winter checklist was also included to assist communities in tracking the use of outreach materials for MS4 reporting. Both websites also advertise the winter deicing workshops.

**Plate 36.** Outreach graphic for social media platforms, 2023



## 2.2 Tracking BMP Adoption

### 2.2.1 Chloride Questionnaire

The DRSCW has attempted to track adoption of sensible salting BMPs in the program area since 2007. This is done as ambient chloride concentration monitoring; and while the ultimate indicator of success, it has proven an imperfect metric for tracking efficiency trends in winter salt use. Tracking target BMP adoption in the program area allows the DRSCW to evaluate the success of the chloride management workshops. Historically the public roads and parking lots/sidewalks workshops have covered the following practices:

- Winter Weather tracking and planning
- Behavior of commonly used deicing compounds
- Product and chemical alternatives
- Equipment calibration training
- Application Rates
- Equipment and salt application advancements
- Salt usage, storage and deicing best management practices
- Example salt use policies and management plans

The questionnaires also help identify topics for future workshops, and form suppositions about salt use per unit of service expended inside the program area relative to 2006 levels. Questionnaires were distributed in 2007, 2010, 2012, 2014, 2016, and 2018. They were sent to approximately 80 municipal highway operations and public works agencies. A new questionnaire was due to be distributed in 2022 but was not completed due to a need to rework elements of the questionnaire. It is now due to be issued in March/April 2024.

### 2.2.2 Ambient Impact Monitoring

DRSCW's Chloride Education and Reduction Program has performed an in-depth analysis to detect trends in chloride loading within the water quality data collected since the beginning of program efforts.

The goal of the analysis is to gauge the impact, if any, of the chloride education program on chloride loadings and concentrations generated from DRSCW water quality data collected from 2009 to present. Such an analysis is challenging due to the influences of other variables that dictate the magnitude of chloride impact on water quality data, principally winter weather (see Figure 7 to Figure 13). The analysis is needed to account for this inherent variability to as great a degree as possible. To help accomplish this the DRSCW purchased 10 years of weather data (snow and ice precipitation data for numerous locations) from Weather Command / Murray and Trettel, Inc. The analysis steps for each site where winter chloride concentration data was available was:

- Calculation of estimated chloride concentration from winter conductivity data
- Calculation of a warm weather regression value from summer concentration data and summer conductivity measures
- Calculation of estimated chloride summer concentrations
- Creation of loading data (in pounds per day) from the estimated concentration data using USGS flow data
- Identification of ice events from the weather command data and "replacement" of such events with loadings observed under snow events with the same accumulation
- Graphing of loading and concentration data for each site

This analysis has been completed and phase one results have been produced. The report is being finalized and will be complete by April 2024.

### 2.3 Continuous Chloride Monitoring

When chlorides are present in elevated concentrations in rivers, they harm aquatic invertebrates, fish, and aquatic and terrestrial plants. High chloride concentrations also corrode structures like bridges, increasing maintenance costs; and chlorides are very difficult to remove from water through treatment. In the DRSCW and LDRWC watersheds, the main source of

elevated chlorides in the rivers is from winter deicing applications. In an effort to understand and track chloride levels in the watershed, year-round conductivity monitoring is carried out.

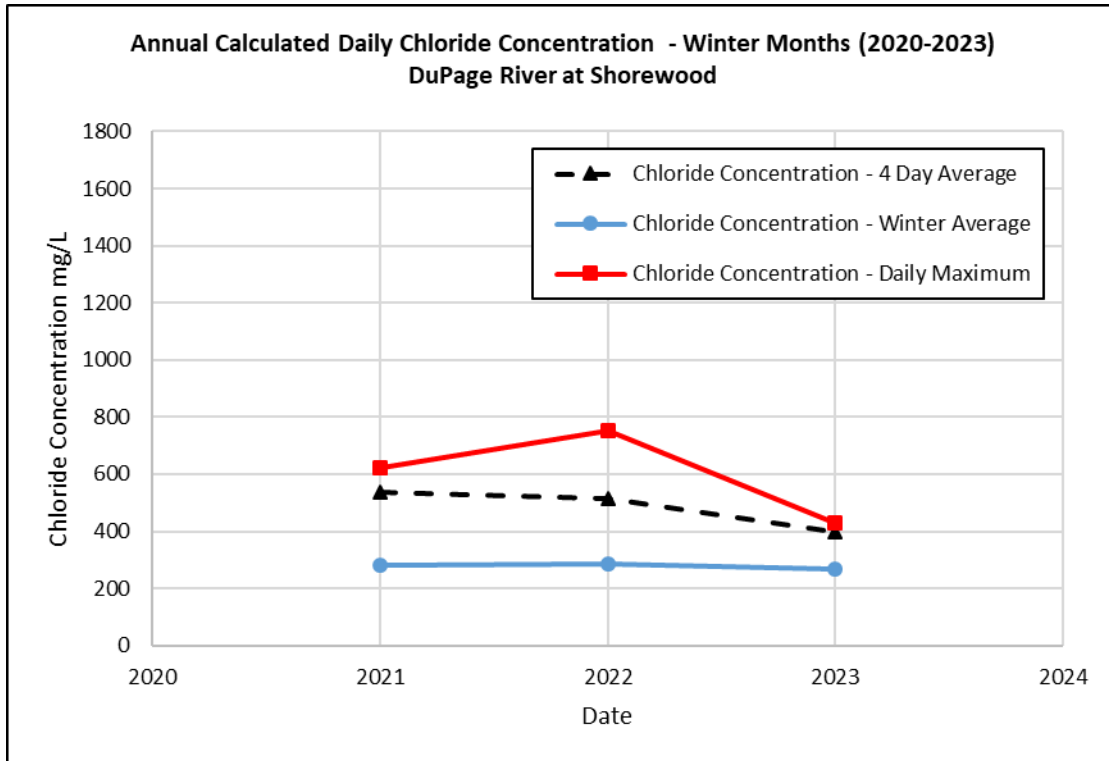
Ambient monitoring of conductivity is carried out at seven (7) locations. All conductivity sites were originally installed to collect continuous DO and are situated for that rather than chlorides. Six (6) locations are in the DRSCW program area (5 sites monitored by the DRSCW and 1 site monitored by MWRD), and one (1) site in the LDRWC program area (monitored by the LDRWC). DRSCW chloride sites are positioned in the upper and lower sections of each watershed. The LDRWC site is located near the confluence of the Lower DuPage and the Des Plaines.

The upstream Salt Creek chloride site (Busse Woods) is at the upstream most point of the Lower Salt Creek watershed (this site isn't placed further upstream as it was selected to measure DO upstream of the watersheds POTWs). MWRD did not conduct ambient winter conductivity monitoring at the Salt Creek at Busse Woods site in 2021. The site was taken over by DRSCW for conductivity monitoring during the winter of 2022.

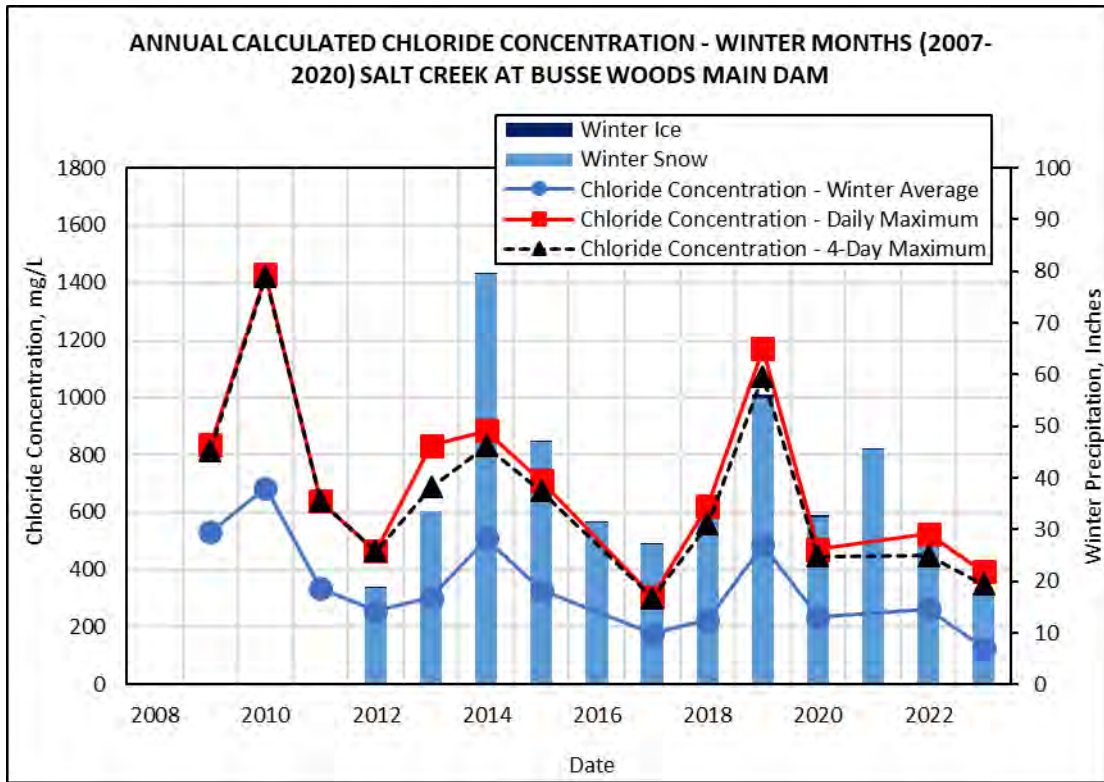
In the LDRWC watershed, conductivity data was only recently collected as of Winter 2021 (Fall 2020 to Winter 2021) at Shorewood. For the site at Shorewood, conductivity concentrations are used to calculate chloride concentrations based on a linear relationship established by the LDRWC. It should be noted that only limited chloride grab samples were available to develop the linear relationship and the LDRWC is collecting additional chloride grab samples to further refine this relationship. Calculated Annual chloride concentrations at Shorewood for the winter months from 2020 to 2023 are presented in Figure 7.

For the sites located within the DRSCW watersheds, conductivity concentrations are used to calculate chloride concentrations based on a linear relationship established by the DRSCW. Calculated Annual chloride concentrations for the winter months from 2007-2023 for six (6) sites are depicted in Figure 8 to Figure 13. The Daily Max represents the highest chloride daily value calculated from that year's winter season. The Winter Average is the average of all measurements from the winter season. The Four-Day Average is the maximum value of the year's four-day averages. Also shown are seasonal totals for winter snow and ice data. This data is generated from data supplied by a contract with Weather Command/ Murray and Trettel, Inc. The data is specific to the areas proximate to the relative conductivity monitoring site.

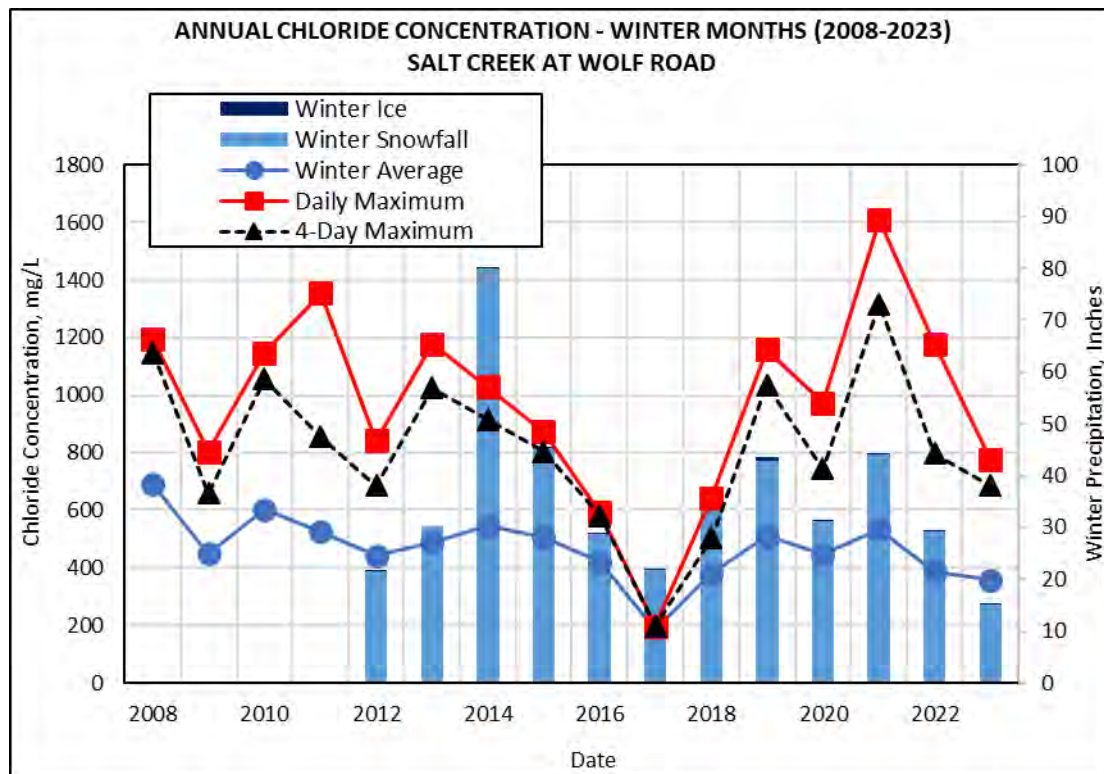
**Figure 7.** Calculated Chloride Concentrations - Winter Months (2020-2023) for the Lower DuPage River at Shorewood



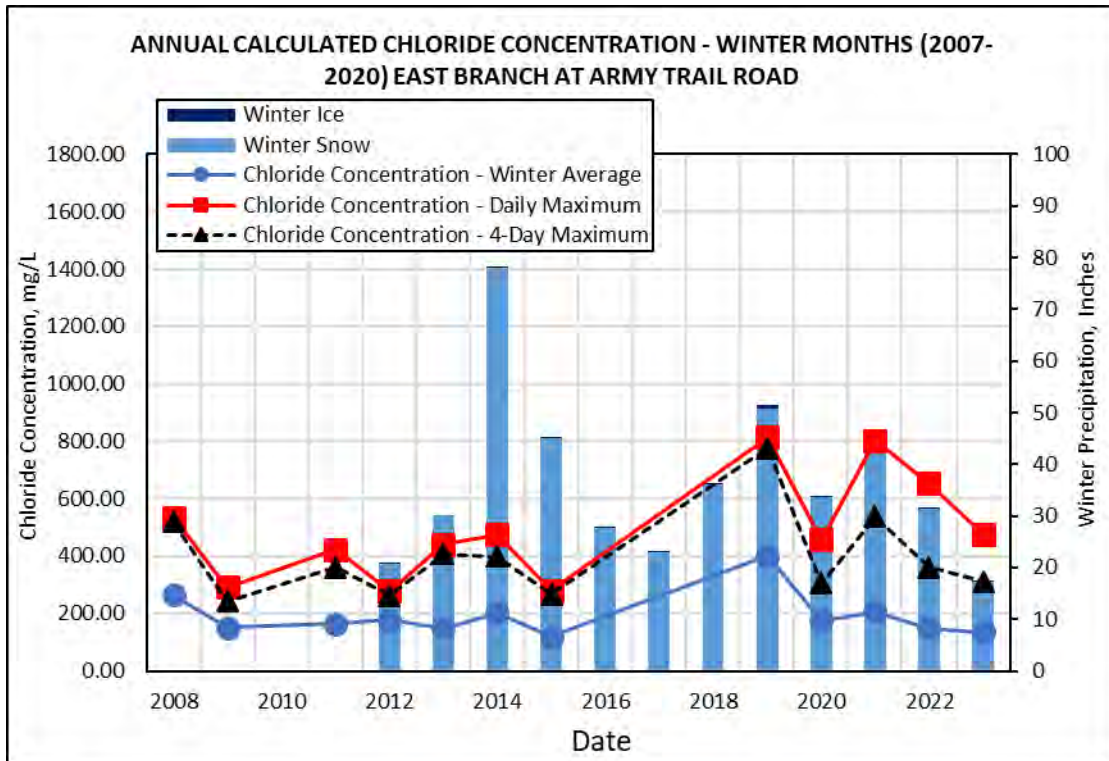
**Figure 8.** Calculated Chloride Concentrations - Winter Months (2007-2023) for Salt Creek at Busse Woods Main Dam. Data was not collected in 2021.



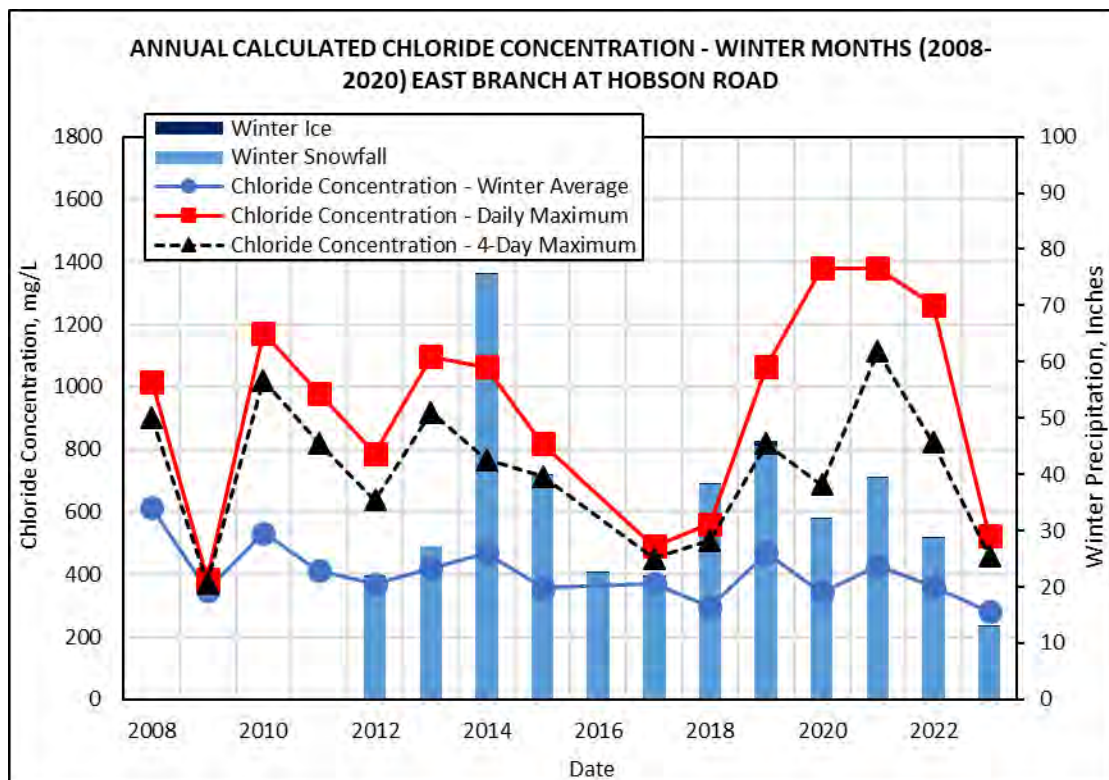
**Figure 9.** Calculated Chloride Concentrations - Winter Months (2007-2023) for Salt Creek at Wolf Road



**Figure 10.** Calculated Chloride Concentrations - Winter Months (2007-2023) for the East Branch DuPage River at Army Trail Road

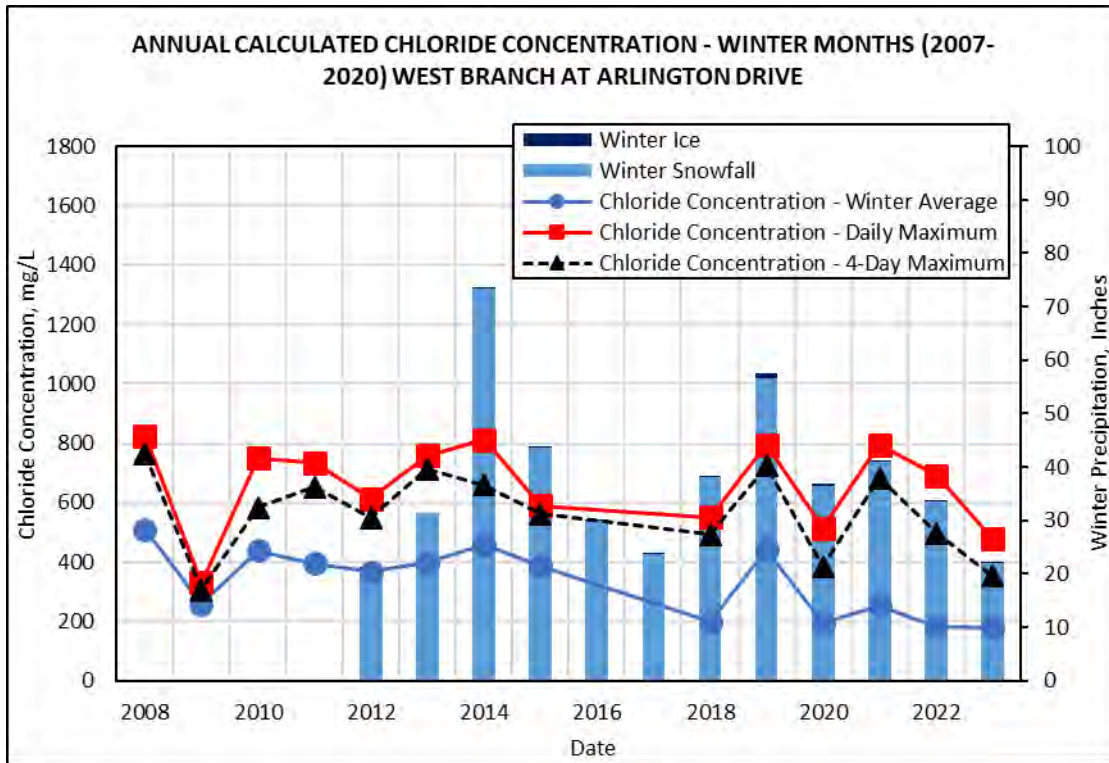


**Figure 11.** Calculated Chloride Concentrations - Winter Months (2008-2023) for the East Branch DuPage River at Hobson Road

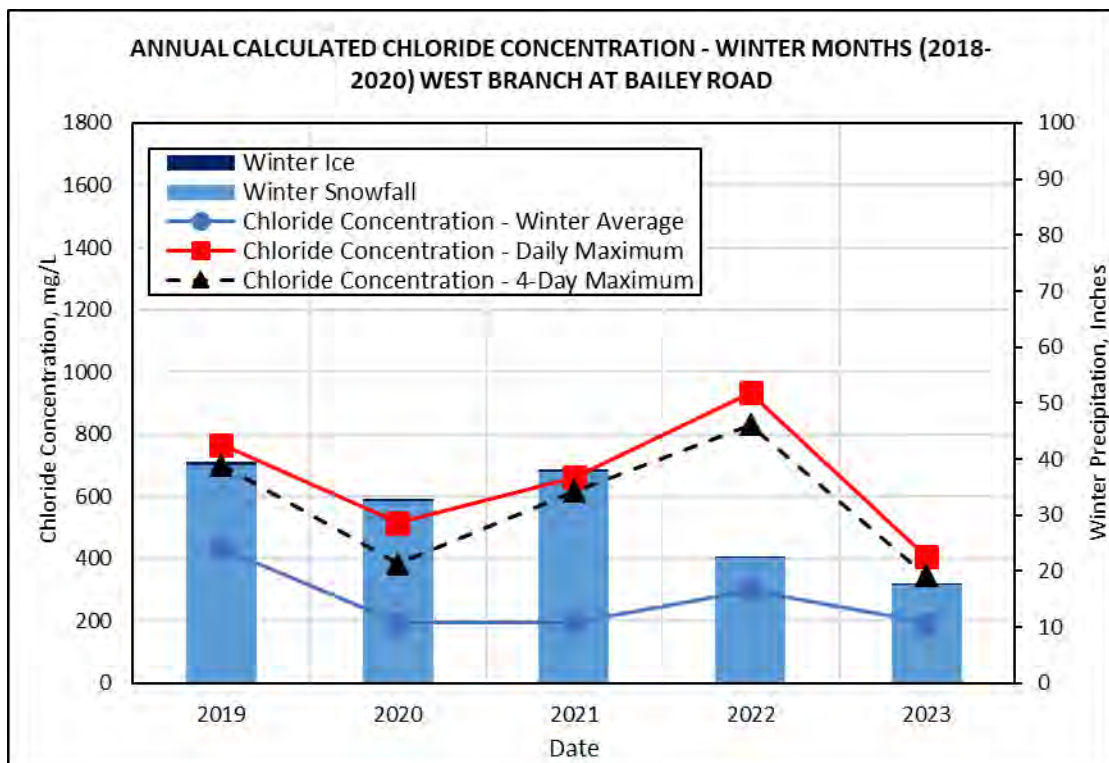




**Figure 12.** Calculated Chloride Concentrations - Winter Months (2007-2023) for the West Branch DuPage River at Arlington Drive



**Figure 13.** Calculated Chloride Concentrations - Winter Months (2018-2023) for the West Branch DuPage River at Bailey Road





## Chapter 3 Nutrient Implementation Plan

The Special Conditions Paragraph 10 requires NPDES holders in the DRSCW and LDRWC to develop a Nutrient Implementation Plan (NIP) for the watershed that identifies phosphorus input reductions by point source discharges, non-point source discharges, and other measures necessary to remove DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 IL Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 IL Adm. Code 302.203. Special Conditions Paragraph 2 and Special Conditions Paragraph 8.c. identify additional studies to be completed by the watershed workgroups. The NIP was submitted to the Illinois Environmental Protection Agency (IEPA) on December 28, 2023 and can be found at <https://drscw.org/activities/project-identification-and-prioritization-system/> and <https://ldpwatersheds.org/about-us/lower-dupage-river-watershed-coalition/our-work/narp/>

### 3.1 NIP Summary and Next Steps

The NIP submitted to the IEPA by the DRSCW and the LDRWC on December 28, 2023 identified an instream watershed threshold concentration for TP that is protective of aquatic life. A relationship between TP concentrations and fish species and macroinvertebrate taxa and their indices of biotic integrity was established by a multivariate analysis published in 2023 by the watershed groups. The analysis, which drew on paired biological, chemical, and physical data from 640 sites in Northeast Illinois, found fish species and the Fish Index of Biotic Integrity (fIBI) were more sensitive to TP concentration variation than the macroinvertebrate taxa and the Macroinvertebrate Index of Biotic Integrity. The 75th percentile of sites in the fIBI range of 41 and 49 (meeting and exceeding the General Use standard for aquatic life) was found to correspond to a TP concentration of 0.277 milligrams per liter (mg/L).

Modeling was conducted using the QUAL2Kw platform to identify potential management scenarios that would decrease ambient instream TP concentrations below the identified TP watershed threshold. Ultimately, the suite of scenarios modeled demonstrated that an effluent TP permit limit of 0.35 mg/L (for an effective effluent concentration of 0.28 mg/L) for wastewater treatment plants (WWTPs) along Salt Creek and the West and East Branches of the DuPage River and an effluent TP permit limit of 0.5 mg/L (for an effective effluent concentration of 0.4 mg/L) for WWTPs along the Lower DuPage River would be sufficient to achieve the local threshold value satisfactorily. The NIP recommended that following effluent limits be adopted:

- WWTPs discharging to Salt Creek and the East and West Branches of the DuPage River adopt an effluent limit of 0.35 mg/L TP (leading to an effective mean effluent concentration of 0.28 mg/L, assuming a 20% margin of safety) seasonal geometric mean for warm weather months (May–October) as part of an annual 0.50 mg/L TP geometric mean;

- WWTPs discharging to the mainstem of the Lower DuPage River adopt an effluent limit of 0.50 mg/L TP (leading to an effective mean effluent concentration of 0.4 mg/L, assuming a 20% margin of safety) for warm weather months as an annual geometric mean, rolling 12-month basis; and (3) the Crest Hill STP, which discharges to a tributary on the Lower DuPage River, adopt the 0.35 mg/L TP limit.

Additionally, as the modeled reductions of effluent TP concentrations did not show meaningful improvements in predicted minimum and mean DO concentrations due in part to localized persistence of low gradients or flow restrictions which also factor into existing DO impairments, the NIP also recommends that targeted physical projects focused on eliminating DO sags and improving instream habitat continue to be implemented in the DuPage River and Salt Creek watersheds.

A schedule for the implementation of TP removal at each of WWTPs is included in the NIP. A schedule of special assessments to fund the physical projects is also included in the NIP.

In the fourth quarter of 2023 and the first quarter of 2024, the DRSCW and LDRWC initiated discussions with the IEPA and environmental advocacy groups (EAGs), including the Sierra Club and the Mississippi River Collaborative, on integrating the NIP recommendation into member WWTP's NPDES permits. Additional discussions with the IEPA, US EPA, and the EAGs are scheduled for later in 2024. It is the goal of the DRSCW and the LDRWC to have the NIP recommendation included in member NPDES permits by the end of second quarter 2024.

# **ATTACHMENT 1**

**DRSCW Special Condition**

**SPECIAL CONDITION 17. DuPage River/Salt Creek Special Requirements**

- A. The Permittee shall participate in the DuPage River Salt Creek Workgroup (DRSCW). The Permittee shall work with other watershed members of the DRSCW to determine the most cost-effective means to remove dissolved oxygen (DO) and offensive condition impairments in the DRSCW watersheds.
- B. The Permittee shall ensure that the following projects and activities set out in the Revised DRSCW Implementation Plan (June, 2021), are completed (either by the permittee or through the DRSCW) by the scheduled dates set forth below; and that the short term objectives are achieved for each by the time frames identified below:

<b>Project Name</b>	<b>Completion Date</b>	<b>Short Term Objectives</b>	<b>Long Term Objectives</b>
Oak Meadows Golf Course dam removal	December 31, 2016 (Completed)	Improve DO	Improve fish passage
Oak Meadows Golf Course stream restoration	December 31, 2017 (Completed)	Improve aquatic habitat (QHEI), reduce Inputs of nutrients and sediment	Raise miBi
Fawell dam Modification	December 31, 2024	Modify dam to allow fish passage	Raise fiBi upstream of structure
Spring Brook Restoration and dam removal	December 31, 2020 (Completed)	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi
Fullersburg Woods Dam modification concept plan development	December 31, 2016 (Completed)	Identify conceptual plan for dam modification and stream restoration	Build consensus among plan stakeholders
Fullersburg Woods Dam modification	December 31, 2024	Improve DO, improve aquatic habitat (QHEI)	Raise miBi and fiBi
Fullersburg Woods area stream restoration	December 31, 2024	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi
West Branch Physical Enhancement (Klein Creek)	December 31, 2023 (Completed)	Improve aquatic habitat (QHEI)	Raise miBi and fiBi
Southern East Branch Stream Enhancement	December 31, 2024	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi
QUAL 2w West Branch, East Branch and Salt Creek	December 31, 2023	Collect new baseline data and update model	Quantify improvements in watershed. Prioritize DO Improvement projects for years beyond 2024.
NPS Phosphorus Feasibility Analysis	December 31, 2021 (Complete)	Assess NPS performance from reductions leaf litter and street sweeping	Reduce NPS contributions to lowest practical levels
East Branch Phase II	December 31, 2028	Improve aquatic habitat (QHEI), reduce Inputs of nutrients and sediment	Raise miBi and FiBi
Lower Salt Creek Phase 2	December 31, 2028	Improve aquatic habitat (QHEI), Remove fish barrier, reduce inputs of nutrients and sediment	Raise miBi and fiBi
West Branch Restoration Project	December 31, 2028	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi

- C. The Permittee shall participate in implementation of a watershed Chloride Reduction Program, either directly or through the DRSCW. The program shall work to decrease DRSCW watershed public agency chloride application rates used for winter road safety, with the objective of decreasing watershed chloride loading. An annual report on the annual implementation of the program identify the practices deployed, chloride application rates, estimated reductions achieved, analyses of watershed chloride loads, precipitation, air temperature conditions and relative performance compared to a baseline condition shall be submitted electronically to [EPA.PrmtSpecCondtns@illinois.gov](mailto:EPA.PrmtSpecCondtns@illinois.gov) with "IL0028380 Special Condition 17.C" as the subject of the email and posted to the DRSCW's website by March 31 of each year. The annual report shall reflect the Chloride Abatement Program performance for the preceding year (example: 2019-20 winter season report shall be submitted no later than March 31, 2021). The Permittee may work cooperatively with the DRSCW to prepare a single annual progress report that is common among DRSCW permittees and may be submitted as part of a combined annual report with paragraph D below.
- D. The Permittee shall submit an annual progress report on the projects listed in the table of paragraph B above. The report shall be submitted electronically to [EPA.PrmtSpecCondtns@illinois.gov](mailto:EPA.PrmtSpecCondtns@illinois.gov) with "IL0028380 Special Condition 17.D" as the subject of the email and posted to the DRSCW's website by March 31 of each year. The report shall include project implementation progress. The Permittee may work cooperatively with the DRSCW to prepare a single annual progress report that is common among DRSCW permittees.
- E. The Permittee shall maintain and implement any recommendations from its Phosphorus Discharge Optimization Plan in accordance with the schedule set forth in the Plan. Annual progress reports on the optimization of the existing treatment facilities shall be submitted electronically to [EPA.PrmtSpecCondtns@illinois.gov](mailto:EPA.PrmtSpecCondtns@illinois.gov) with "IL0028380 Special Condition 17.E" as the subject of the email and posted to the permittees website by March 31 of each year. If the permittee's plan does not already include a schedule, the permittee shall include a schedule for the implementation of any optimization measures recommended by the plan in the permittee's annual progress report due the March 31 one year after the permit becomes effective. As part of the plan, the Permittee shall continue to evaluate a range of measures for reducing phosphorus discharges from the treatment plant, including possible source reduction measures, operational improvements, and minor facility modifications that will optimize reductions in phosphorus discharges from the wastewater treatment facility. The Permittee's evaluation shall include, but not be limited to, an evaluation of the following optimization measures:
1. WWTF influent reduction measures.
    - a. Evaluate the phosphorus reduction potential of users.
    - b. Determine which sources have the greatest opportunity for reducing phosphorus (i.e., industrial, commercial, institutional, municipal and others).
      - i. Determine whether known sources (i.e., restaurant and food preparation) can adopt phosphorus minimization and water conservation plans.
      - ii. Evaluate implementation of local limits on influent sources of excessive phosphorus.
  2. WWTF effluent reduction measures.
    - a. Reduce phosphorus discharges by optimizing existing treatment processes without causing non-compliance with permit effluent limitations or adversely impacting stream health.
      - i. Adjust the solids retention time for biological phosphorus removal.
      - ii. Adjust aeration rates to reduce dissolved oxygen and promote biological phosphorus removal.
      - iii. Change aeration settings in plug flow basins by turning off air or mixers at the inlet side of the basin system.
      - iv. Minimize impact on recycle streams by improving aeration within holding tanks.
      - v. Adjust flow through existing basins to enhance biological nutrient removal.
      - vi. Increase volatile fatty acids for biological phosphorus removal.
- F. Total phosphorus in the effluent shall be limited as follows:
1. If the Permittee will use chemical precipitation to achieve the limit, the effluent limitation shall be 1.0 mg/L on a monthly average basis, effective XXXX, or in accordance with the implementation schedule included in the Nutrient Implementation Plan unless the Agency approves and reissues or modifies the permit to include an alternate phosphorus reduction program or limit pursuant to paragraphs F.3 thru F.8 below.
  2. If the Permittee will primarily use biological phosphorus removal to achieve the limit, the effluent limitation shall be 1.0 mg/L monthly average to be effective XXXX, or in accordance with the implementation schedule included in the Nutrient Implementation Plan unless the Agency approves and reissues or modifies the permit to include an alternate phosphorus reduction program or limit pursuant to paragraphs F.3 thru F.8 below.
  3. The Permittee demonstrates that the Limit is not technologically feasible; or
  4. The Permittee demonstrates the Limit would result in substantial and widespread economic or social impact. Substantial and widespread economic impacts must be demonstrated using applicable USEPA guidance, including but not limited to any of the following documents: 1. Interim Economic Guidance for Water Quality Standards, March 1995, EPA-823-95-002; 2. Combined Sewer Overflows – Guidance for Financial Capability Assessment and Schedule Development, February 1997, EPA-832—97-004; 3. Financial Capability Assessment Framework for Municipal Clean Water Act Requirements, November 24, 2014; or

5. If the Nutrient Implementation Plan determines that a greater phosphorus reduction is necessary, then the Permittee shall meet the phosphorus limit identified in the Nutrient Implementation Plan in accordance with the schedule set out therein, prioritized among all watershed needs; or
  6. If the DRSCW has developed and implemented a trading program for POTWs in the DRSCW watersheds, providing for reallocation of allowed phosphorus loadings between two or more POTWs in the DRSCW and Lower DuPage Watershed Coalition watersheds, that delivers the same results of overall watershed phosphorus point-source reduction and loading anticipated from the uniform application of the applicable 1.0 mg/L monthly average effluent limitation, or other allocation identified in the Nutrient Implementation Plan, whichever is more stringent, among the POTW permits in the DRSCW watersheds and removes DO and offensive condition impairments and meets the applicable dissolved oxygen criteria in 35 Ill. Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 Ill. Adm. Code 302.203.; or
  7. If the DRSCW has demonstrated and implemented an alternate means of reducing watershed phosphorus loading to a comparable result that removes DO and offensive condition impairments and meets the applicable dissolved oxygen criteria in 35 Ill. Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 Ill. Adm. Code 302.203.; or
  8. If the Limit is demonstrated not to be technologically (e.g., no space available) or economically feasible, which shall be determined by an economic feasibility analysis by the date herein stipulated, but is feasible within a long timeline, then the permit shall include a compliance schedule requiring the discharger to comply with the phosphorus effluent limit as soon as possible, consistent with 40 C.F.R. § 122.47 (1), made applicable to Illinois at 40 C.F.R. § 123.25 (a)(18).
- G. The Permittee shall monitor the wastewater effluent, consistent with the monitoring requirements on Page 2 of this permit, for total phosphorus, dissolved phosphorus, nitrate/nitrite, total Kjeldahl nitrogen (TKN), ammonia, total nitrogen (calculated), alkalinity and temperature at least once a month. The Permittee shall monitor the wastewater influent for total phosphorus and total nitrogen at least once a month. The results shall be submitted on electronic DMRs (NetDMRs) to the Agency unless otherwise specified by the Agency.
- H. The Permittee shall submit electronically to [EPA.PrmtSpecCondtns@illinois.gov](mailto:EPA.PrmtSpecCondtns@illinois.gov) with "IL0028380 Special Condition 17.H" as the subject of the email and post to the DRSCWs website by December 31, 2023 a Nutrient Implementation Plan (NIP) for the DRSCW watersheds that identifies phosphorus input reductions by point source discharges, non-point source discharges and other measures necessary to remove DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 Ill. Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 Ill. Adm. Code 302.203. The NIP shall also include a schedule for implementation of the phosphorus input reductions and other measures. The Permittee may work cooperatively with the DRSCW to prepare a single NIP that is common among DRSCW permittees. Progress reports shall be submitted every year until completion and submission of the NIP. The DRSCW may prepare a single progress report for all DRSCW permittees and may be submitted as part of a combined annual report with paragraph D above. The Agency will renew or modify the NPDES permit as necessary to incorporate NIP requirements.



## **ATTACHMENT 2**

### **LDRWC Special Conditions**

**Bolingbrook STP#3 Special Condition XX.**

1. The Permittee shall participate in the DuPage River Salt Creek Workgroup (DRSCW) and the Lower DuPage River Watershed Coalition (LDRWC). The Permittee shall work with other watershed members of the DRSCW and LDRWC to determine the most cost effective means to remove dissolved oxygen (DO) and offensive condition impairments in the DuPage River Salt Creek watershed.
  
2. The Permittee shall ensure that the following projects and activities set out in the DRSCW and LDRWC Implementation Plan (April 16, 2015), are completed (either by the permittee or through the DRSCW/LDRWC) by the schedule dates set forth below; and that the short term objectives are achieved for each by the time frames identified below. This condition may be modified to include additional projects due to participation in the Lower DuPage River Watershed Coalition.

<b>Project Name</b>	<b>Completion Date</b>	<b>Short Term Objectives</b>	<b>Long Term Objectives</b>
Oak Meadows Golf Course dam removal	December 31, 2016	Improve DO	Improve fish passage
IPS Tool/Project Identification Study	December 31, 2017	Improve DO	Improve fish passage
Oak Meadows Golf Course stream restoration	December 31, 2017	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi
Fawell Dam Modification	December 31, 2018	Modify dam to allow fish passage	Raise fiBi upstream
Hammel Woods Dam removal	December 31, 2019	Improve DO, reduce nuisance algae	Raise miBi and fiBi
Spring Brook Restoration and dam removal	December 31, 2019	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi
Fullersburg Woods dam modification concept plan development	December 31, 2016	Identify conceptual plan for dam modification and stream restoration	Build consensus among plan
Fullersburg Woods dam modification	December 31, 2021	Improve DO, improve aquatic habitat (QHEI)	Raise miBi and fiBi
Fullersburg Woods dam modification area stream restoration	December 31, 2022	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi
Southern West Branch Physical Enhancement	December 31, 2022	Improve aquatic habitat (QHEI)	Raise miBi and fiBi

Southern East Branch Stream Enhancement	December 31, 2023	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi
Hammel Woods Dam to 119 <sup>th</sup> Street in Plainfield Stream Enhancement	December 31, 2023	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi
QUAL 2K East Branch and Salt Creek	December 31, 2023	Collect new baseline data and update model	Quantify improvements in watershed. Identify next round of projects for
NPS Phosphorus Feasibility Analysis	December 31, 2021	Assess NPS performance from reductions leaf litter and street sweeping	Reduce NPS contributions to lowest practical levels

3. The Permittee shall participate in implementation of a watershed Chloride Reduction Program, either directly or through the DRSCW/LDRWC. The program shall work to decrease DRSCW/LDRWC watershed public agency chloride application rates used for winter road safety, with the objective of decreasing watershed chloride loading. The Permittee shall submit an annual report on the annual implementation of the program identifying the practices deployed, chloride application rates, estimated reductions achieved, analyses of watershed chloride loads, precipitation, air temperature conditions and relative performance compared to a baseline condition. The report shall be provided to the Agency by March 31 of each year reflecting the Chloride Abatement Program performance for the preceding year (example: 2015-16 winter season report shall be submitted no later than March 31, 2017). The Permittee may work cooperatively with the DRSCW/LDRWC to prepare a single annual progress report that is common among DRSCW/LDRWC permittees.
4. The Permittee shall submit an annual progress report on the projects listed in the table of paragraph 2 above to the Agency by March 31 of each year. The report shall include project implementation progress. The Permittee may work cooperatively with the DRSCW/LDRWC to prepare a single annual progress report that is common among DRSCW/LDRWC permittees.
5. The Permittee shall develop a written Phosphorus Discharge Optimization Plan. In developing the plan, the Permittee shall evaluate a range of measures for reducing phosphorus discharges from the treatment plant, including possible source reduction measures, operational improvements, and minor low cost facility modifications that will optimize reductions in phosphorus discharges from the wastewater treatment facility. The permittee's evaluation shall

include, but not necessarily be limited to, an evaluation of the following optimization measures:

- a. WWTF influent reduction measures.
  - i. Evaluate the phosphorus reduction potential of users.
  - ii. Determine which sources have the greatest opportunity for reducing phosphorus (e.g., industrial, commercial, institutional, municipal, and others).
    1. Determine whether known sources (e.g., restaurant and food preparation) can adopt phosphorus minimization and water conservation plans.
    2. Evaluate implementation of local limits on influent sources of excessive phosphorus.
- b. WWTF effluent reduction measures.
  - i. Reduce phosphorus discharges by optimizing existing treatment processes without causing non-compliance with permit effluent limitations or adversely impacting stream health.
    1. Adjust the solids retention time for biological phosphorus removal.
    2. Adjust aeration rates to reduce DO and promote biological phosphorus removal.
    3. Change aeration settings in plug flow basins by turning off air or mixers at the inlet side of the basin system.
    4. Minimize impact on recycle streams by improving aeration within holding tanks.
    5. Adjust flow through existing basins to enhance biological nutrient removal.
    6. Increase volatile fatty acids for biological phosphorus removal.

6. Within 24 months of the effective date of this permit, the Permittee shall finalize the written Phosphorus Discharge Optimization Evaluation Plan and submit it to IEPA. The plan shall include a schedule for implementing all of the evaluated optimization measures that can practically be implemented and include a report that explains the basis for rejecting any measure that was deemed impractical. The schedule for implementing all practical measures shall be no longer than 36 months after the effective date of this permit. The Permittee shall implement the measures set forth in the Phosphorus Discharge Optimization Plan in accordance with the schedule set forth in that Plan. The Permittee shall modify the Plan to address any comments that it receives from IEPA and shall implement the modified plan in accordance with the schedule therein.

Annual progress reports on the optimization of the existing treatment facilities shall be submitted to the Agency by March 31 of each year beginning 24 months from the effective date of the permit.

7. The Permittee shall, within 24 months of the effective date of this permit, complete a feasibility study that evaluates the timeframe, and construction and O & M costs of reducing phosphorus levels in its discharge to a level consistently meeting a limit of 1 mg/L, 0.5 mg/L and 0.1 mg/L utilizing a range of treatment technologies including, but not necessarily limited to, biological phosphorus removal, chemical precipitation, or a combination of the two. The study shall evaluate the construction and O & M costs of the different treatment technologies for these limits on a

monthly, seasonal, and annual average basis. For each technology and each phosphorus discharge level evaluated, the study shall also evaluate the amount by which the Permittee's typical household annual sewer rates would increase if the Permittee constructed and operated the specific type of technology to achieve the specific phosphorus discharge level. Within 24 months of the effective date of this Permit, the Permittee shall submit to the Agency and the DRSCW/LDRWC a written report summarizing the results of the study.

8. Total phosphorus in the effluent shall be limited as follows:
  - a. If the Permittee will use chemical precipitation to achieve the limit, the effluent limitation shall be 1.0 mg/L on a monthly average basis, effective 10 years after the effective date of this permit unless the Agency approves and reissues or modifies the permit to include an alternate phosphorus reduction program pursuant to paragraph c or d below that is fully implemented within 10 years of the effective date of this permit.
  - b. If the Permittee will primarily use biological phosphorus removal to achieve the limit, the effluent limitation shall be 1.0 mg/L monthly average to be effective 11 years after the effective date of this permit unless the Agency approves and reissues or modifies the permit to include an alternate phosphorus reduction program pursuant to paragraph c or d below that is fully implemented within 11 years of the effective date of this permit.
  - c. The Agency may modify this permit if the DRSCW has developed and implemented a trading program for POTWs in the DRSCW/LDRWC watersheds, providing for reallocation of allowed phosphorus loadings between two or more POTWs in the DRSCW/LDRWC watersheds, that delivers the same results of overall watershed phosphorus point-source reduction and loading anticipated from the uniform application of the applicable 1.0 mg/L monthly average effluent limitation among the POTW permits in the DRSCW watersheds and removes DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 IL Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 IL Adm. Code 302.203.
  - d. The Agency may modify this permit if the DRSCW/LDRWC has demonstrated and implemented an alternate means of reducing watershed phosphorus loading to a comparable result within the timeframe of the schedule of this condition and removes DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 IL Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 IL Adm. Code 302.203.
9. The Permittee shall monitor the wastewater effluent, consistent with the monitoring requirements on Page 2 of this permit, for total phosphorus, dissolved phosphorus, nitrate/nitrite, total Kjeldahl nitrogen (TKN), ammonia, total nitrogen (calculated), alkalinity and temperature at least once a month. The Permittee shall monitor the wastewater influent for total phosphorus and total nitrogen at least once a month. The results shall be submitted on NetDMRs to the Agency unless otherwise specified by the Agency.

10. The Permittee shall submit a Nutrient Implementation Plan (NIP) for the DRSCW watersheds that identifies phosphorus input reductions by point source discharges, non-point source discharges and other measures necessary to remove DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 IL Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 IL Adm. Code 302.203. The NIP shall also include a schedule for implementation of the phosphorus input reductions and other measures. The Permittee may work cooperatively with the DRSCW to prepare a single NIP that is common among DRSCW and LDRWC permittees. The NIP shall be submitted to the Agency by December 31, 2023.