

DOWNERS GROVE SANITARY DISTRICT  
GENERAL MANAGER'S REPORT  
April 14, 2023

April Board Meeting

Copies of documentation for the following agenda items are enclosed for the April 18, 2023 meeting:

- 1) Proposed Agenda
- 2) Minutes of the March 21, 2023 regular meeting
- 3) Minutes of the March 21, 2023 Executive Session (*Confidential under Separate Cover*)
- 4) Claim Ordinance 1924
- 5) Memo regarding Group Insurance Coverage Renewal
- 6) Resolution of Appreciation – Michael G. Philipp
- 7) Memo regarding the 2023 Annual Newsletter
- 8) Memo regarding 2023 Digester 4 Cleaning Contract Award
- 9) Intergovernmental agreement with Forest Preserve of DuPage County for Maple Grove Bridge project
- 10) Memo regarding CD investment at Evergreen Bank
- 11) Admin Building Entry Remodel Change Order No. 1
- 12) Ordinance No. 23-02 amending maximum allowable reimbursement for travel expenses

BOLI Meeting

There is no BOLI meeting scheduled this month.

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 Jeff.
- 4) Progress Report from Bob on Collection System Maintenance activities.
- 5) Progress Report from Keith on Collection System Construction activities.
- 6) Progress Report from Reese on Laboratory activities.
- 7) Engineering Report

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

A Safety Committee meeting was held on March 22, 2023. The Safety Committee closed three incident reports this month. One of the reports was in regard to the misalignment of the stairs and the walkway by Primary Clarifier 1. Employees from Maintenance and Operations worked together to install a guardrail.



Heavy weight non-skid honeycomb mats have been added around the mixing equipment on the Digester 2 and Digester 4 covers. Employees reported that the painted surfaces of the digester covers become slippery in the rain and can be especially slippery if oil drips when adding oil to the compressors.

An informational sign has been added on the fence at College Lift Station. We worked with Northwestern University to include contact information that would be important to have in an emergency.

Employees began work zone safety training courses at McHenry Community College. This is a half-day course that is offered on several dates over the next few months. To minimize impact on our work, employees will attend in small groups through June. This training is essential for anyone working in traffic, and recertification is required every 3 years.

## Financial

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

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

## Meetings

I attended the following meetings since the March 17, 2023 General Manager's report:

- April 5 attended IAWA Executive Committee meeting
- April 10 judged at the CSWEA Midwest Student Design Competition in Madison

- April 11 attended the CSWEA Education Seminar on “Making Solid Decisions in an Uncertain Future” in Madison
- April 13 attended DRSCW Executive Board meeting in Lombard. Larry attended also.

#### Miscellaneous

I took vacation on March 27 - 31.

Copies of the following items are enclosed:

- 1) 2023 Progress Report on WWTC PDOP, dated March 21
- 2) General Manager’s Report to the Employees dated March 24 and April 6
- 3) DRSCW-LDRWC Special Conditions Report dated March 30
- 4) Sanitary Sewer Overflow or Bypass Notification Summary Report to IEPA regarding April 4 manhole overflow

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

**DOWNERS GROVE SANITARY DISTRICT  
BOARD OF TRUSTEES MEETING  
APRIL 18, 2023 – 7:00 PM  
BOARD ROOM**

**PROPOSED AGENDA**

- I. APPROVAL OF MINUTES
  - A. REGULAR MEETING – MARCH 21, 2023
  - B. EXECUTIVE SESSION – MARCH 21, 2023
- II. APPROVAL OF CLAIM ORDINANCE NO. 1924
- III. PUBLIC COMMENT
- IV. OLD BUSINESS
- V. NEW BUSINESS
  - A. INSURANCE – EMPLOYEE GROUP COVERAGE
  - B. RESOLUTION OF APPRECIATION – MICHAEL G. PHILIPP
  - C. ANNUAL NEWSLETTER REVIEW
  - D. CONTRACT AWARD - DIGESTER 4 CLEANING
  - E. INTERGOVERNMENTAL AGREEMENT WITH FOREST PRESERVE DISTRICT OF DUPAGE COUNTY – MAPLE GROVE BRIDGE
  - F. INVESTMENT IN CERTIFICATE OF DEPOSIT – EVERGREEN BANK
  - G. CHANGE ORDER – ADMIN BUILDING ENTRY REMODEL
  - H. ORDINANCE NO. 23-02 AMENDING MAXIMUM ALLOWABLE REIMBURSEMENT FOR TRAVEL EXPENSES

**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 18, 2023. The form can be found here:

<https://www.dgsd.org/government/public-comment/>



## **MINUTES**

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, March 21, 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, Attorney Michael G. Philipp, Mitch Backes of Assured Partners, Derek J. Wold and Jason J. Ruffatti of Baxter & Woodman.

### **Minutes of Regular Meeting – February 14, 2023**

A motion was made by Trustee Sejnost seconded by Trustee Wang approving the minutes of the regular meeting held on February 14, 2023 and authorizing the President and Clerk to sign same. The motion carried.

### **Minutes of Executive Session – February 14, 2023**

A motion was made by Trustee Wang seconded by Trustee Sejnost approving the minutes of the executive session held on February 14, 2023 and authorizing the President and Clerk to sign same. The motion carried.

### **Claim Ordinance No. 1923**

A motion was made by Trustee Wang seconded by Trustee Sejnost adopting Claim Ordinance No. 1923 in the total amount of \$662,083.92 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**

#### **Business Insurance Renewals for FY 23-24**

Administrative Supervisor Carly Shaw and 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 and Crime with Liberty Mutual. Staff recommended moving the Workers Compensation to IPRF from Selective. The total annual premiums are proposed at \$208,117. A motion was made by Trustee Sejnost seconded by Trustee Wang authorizing the Administrative Supervisor to move the District's workers compensation insurance

to IPRF and to renew all of the District's other insurance coverages as presented in the March 21, 2023 memo. The motion carried. (Votes recorded: Ayes-Van Buren, Sejnost and Wang.).

#### WWTC/Lift Station Code Review

Jason Ruffatti of Baxter & Woodman presented the results of the code review performed at the WWTC and Lift Stations.

#### Five Year Financial Plan and Budget Approval – FY 2023-24

The Five-Year Financial Plan and Budget were presented at the February Board meeting and have been available for public review since February 16 following a public notice of availability. A motion was made by Trustee Sejnost seconded by Trustee Wang approving the Five-Year Financial Plan for Fiscal Years 2023-24 to 2027-28 which includes the budget for Fiscal Year 2023-24. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

#### Adopt Appropriation Ordinance for Fiscal Year 2023-24

The Fiscal Year 2023-24 Appropriation Ordinance was presented at the February Board meeting and has been available for public review since February 16 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 Sejnost seconded by Trustee Wang adopting the Fiscal Year 2023-24 Appropriation Ordinance and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

#### Adopt Ordinance Amending Fees

General Manager Underwood presented Ordinance No. ORD 23-01. This ordinance increases various District fees and charges to the following amounts:

- a) Permit inspection fees - \$260 per building sanitary service for single family class and \$431 per building sanitary service (or \$249 per building sanitary service if no work on building sanitary service is required) for all other classes.
- b) Tap-in fee - \$1,075 per population equivalent (P.E.).
- c) Trunk sewer service charges - \$498 per P.E.
- d) Lateral sewer charge - \$13,861 per building drain to near side property and \$10,041 per building drain to far side property.
- e) Sewer construction inspection fee - \$82.50 per hour straight time and \$123.75 per hour overtime.
- f) Basic user rate - \$2.25 per 1000 gallons of water (or \$54.00 per quarter for all non-metered single family residential users).
- g) Surcharge rate - \$0.34 per pound for biochemical oxygen demand (BOD) and \$0.44 per pound for suspended solids (SS) (or \$4.32 per 1000 gallons for users who do not have a sampling chamber).
- h) Monthly service fee - \$20 per month for all accounts, and sampling and monitoring charges if applicable.
- i) Sampling and monitoring charge – This charge will vary from \$6.72 per month to

- \$149.17 per month depending on the type of user.
- j) Hauled grease separator waste - \$60.00 per 1,000 gallons of hauled grease separator waste.

A motion was made by Trustee Sejnost seconded by Trustee Wang adopting Ordinance No. ORD 23-01 and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

#### Compensation of General Manager for FY23-24

A motion was made by Trustee Sejnost seconded by Trustee Wang to increase General Manager Underwood's salary from \$168,204 to \$185,865 effective April 1, 2023. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

#### Future Appointment Preparation for Decennial Committee on Local Government Efficiency

General Manager Amy Underwood presented the information on creating a committee as required by the Decennial Committees on Local Government Efficiency Act, which became effective on June 10, 2022 and was amended on February 10, 2023. The Board asked General Manager Underwood to ask all members of the Board of Local Improvement and Senior Advisor Cox if they would serve on the Decennial Committee. Appointments to the Decennial Committee are planned to be made at the May 2023 Board meeting in order to meet the June 10, 2023 deadline for formation of the committee.

#### Other New Business

Administrative supervisor Carly Shaw discussed the CDARS option for investments with financial institutions the District already has a relationship with. It was asked if it would be acceptable to create the CDARS account with these institutions without prior approval by the Board. Mike Philipp stated that per the District's investment policy this was acceptable, and the Board agreed.

General Manager Amy Underwood informed the Board of the recent discovery of a petroleum leak into the District's sewer on Ogden Ave just west of Belmont Rd.

Trustee Van Buren inquired about the open Sewer System Engineering Technician position. He congratulated Danny Jasso and Rolf Flechsig on their 5 years of service with the District. He commented on the SARS-CoV-2 and influenza A and B data. He complimented the DRSCW presentation that General Manager Amy Underwood and Stephen McCracken gave to IAWA recently. Lastly, he inquired on the status of the Outfall Sag repair project.

Trustee Sejnost also congratulated Danny Jasso and Rolf Flechsig on their 5 years of service with the District. She also inquired about the open position for the Sewer System Engineering Technician. She commented on the severe weather note made in the General Manager report and recommended drills for preparedness for plant, office and field staff. She inquired on the status of the mercury investigation. Lastly, she commented on the safety of employees working in the field in light of the recent tragedy that occurred in a local municipality.

### Executive Session

A motion was made by Trustee Sejnost seconded by Trustee Wang to recess the regular meeting and convene an executive session at 8:21 p.m. under exception 2(c)1 of the Open Meetings Act to discuss the appointment of legal counsel. The motion carried.

A motion was made by Trustee Wang seconded by Trustee Sejnost to reconvene the regular meeting at 8:31 p.m. The motion carried.

A motion was made by Trustee Sejnost seconded by Trustee Wang to adjourn the regular meeting at 8:32 p.m. The motion carried.

Approved: April 18, 2023

\_\_\_\_\_  
President

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

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

Downers Grove, Illinois

Date: April 18, 2023

Claim Ordinance No. 1924

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 **\$1,009,637.98** being in words and figures as follows:

PAYROLL END DATE: 03.04.23  
PAYROLL PAID DATE: 03.10.23  
G/L DATE: 04.30.23

GENERAL LEDGER RECAP  
DATE 03/08/23 PERIOD END 03/04/23 PAGE 5

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		57424.78-
01-00.2000	FEDERAL TAX WITHHELD		8955.58-
01-00.2001	STATE TAX WITHHELD		4066.59-
01-00.2002	SOCIAL SECURITY WITHHELD		6787.31-
01-00.2003	IMRF WITHHELD		3934.07-
01-00.2005	CLEARING		20.89-
01-00.2013	CREDIT UNION WITHHELD		2419.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		4017.37-
01-00.2017	VOLUNTARY GROUP LIFE		192.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		184.03-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		192.31-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1397.96-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		246.84-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		312.92-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		200.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		145.35-
01-11.A003	GENERAL MANAGEMENT	1298.79	
01-11.A004	FINANCIAL RECORDS	7597.01	
01-11.A005	ADMINISTRATIVE RECORDS	756.89	
01-11.A007	CODE ENFORCEMENT	6259.66	
01-11.A008	SAFETY ACTIVITIES	1474.97	
01-11.A030	BUILDING AND GROUNDS	124.50	
01-12.A011	MAINTENANCE - WWTC	16125.94	
01-12.A014	MAINTENANCE - ELECTRICAL	7548.08	
01-12.A021	WWTC - OPERATIONS	15806.93	
01-12.A022	WWTC - SLUDGE HANDLING	3655.84	
01-12.A023	WWTC - ENERGY RECOVERY	114.85	
01-12.A030	BUILDING AND GROUNDS	6015.72	
01-13.A041	LAB - WWTC	5040.44	
01-14.A051	SEWER MAINTENANCE	10220.06	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	1152.54	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	2089.80	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	262.78	
01-14.A064	INSPECTION - MISCELLANEOUS	1781.16	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	693.66	
01-14.A066	INSPECTION - CODE ENFORCEMENT	2188.32	
01-15.A080	LIFT STATION MAINTENANCE	289.06	
		90497.00	90497.00-

PAYROLL END DATE: 03.15.23  
PAYROLL PAID DATE: 03.17.23  
G/L 04.30.23

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		1258.31-
01-00.2000	FEDERAL TAX WITHHELD		235.56-
01-00.2001	STATE TAX WITHHELD		94.00-
01-00.2002	SOCIAL SECURITY WITHHELD		152.12-
01-00.2003	IMRF WITHHELD		89.49-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		159.08-
01-11.A030	BUILDING AND GROUNDS	1988.56	
		1988.56	1988.56-

Jeff is receiving a vacation buyout - was missed this pay period - separate check issued - mj 03.15.23

PAYROLL END DATE: 03.15.23  
PAYROLL PAID DATE: 03.17.23  
G/L DATE: 04.30.23

GENERAL LEDGER RECAP  
DATE 03/16/23 PERIOD END 03/15/23 PAGE 4

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		21709.66-
01-00.2000	FEDERAL TAX WITHHELD		3572.86-
01-00.2001	STATE TAX WITHHELD		1544.12-
01-00.2002	SOCIAL SECURITY WITHHELD		2516.87-
01-00.2003	IMRF WITHHELD		1480.51-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1541.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		300.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		498.35-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		152.16-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		115.75-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	9217.20	
01-11.A004	FINANCIAL RECORDS	316.99	
01-11.A005	ADMINISTRATIVE RECORDS	515.10	
01-11.A006	ENGINEERING	39.62	
01-11.A007	CODE ENFORCEMENT	8991.21	
01-11.A030	BUILDING AND GROUNDS	57.86	
01-12.A009	OPERATIONS MANAGEMENT	4687.61	
01-12.A011	MAINTENANCE - WWTC	3667.56	
01-12.A014	MAINTENANCE - ELECTRICAL	433.02	
01-12.A021	WWTC - OPERATIONS	126.22	
01-12.A030	BUILDING AND GROUNDS	721.70	
01-13.A009	OPERATIONS MANAGEMENT	3961.16	
01-13.A041	LAB - WWTC	198.29	
01-13.A042	LAB - PRETREATMENT	99.14	
01-13.A048	LAB - ENERGY RECOVERY	147.95	
01-14.A006	ENGINEERING	39.62	
01-15.A006	ENGINEERING	38.81	
01-15.A009	OPERATIONS MANAGEMENT	230.83	
01-15.A080	LIFT STATION MAINTENANCE	58.45	
		33548.34	33548.34-

PAYROLL END DATE: 03.18.23  
PAYROLL PAID DATE: 03.24.23  
G/L DATE: 04.30.23

GENERAL LEDGER RECAP  
DATE 03/21/23 PERIOD END 03/18/23 PAGE 5

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		57133.31-
01-00.2000	FEDERAL TAX WITHHELD		8985.86-
01-00.2001	STATE TAX WITHHELD		4042.32-
01-00.2002	SOCIAL SECURITY WITHHELD		6749.63-
01-00.2003	IMRF WITHHELD		3932.53-
01-00.2005	CLEARING		20.89-
01-00.2013	CREDIT UNION WITHHELD		2419.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3940.56-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		184.03-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		192.31-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1397.96-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		246.84-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		414.01-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		200.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		145.35-
01-11.A003	GENERAL MANAGEMENT	841.00	
01-11.A004	FINANCIAL RECORDS	8054.77	
01-11.A005	ADMINISTRATIVE RECORDS	808.63	
01-11.A007	CODE ENFORCEMENT	6030.91	
01-11.A008	SAFETY ACTIVITIES	1508.64	
01-11.A030	BUILDING AND GROUNDS	96.00	
01-12.A011	MAINTENANCE - WWTC	20945.14	
01-12.A014	MAINTENANCE - ELECTRICAL	7730.70	
01-12.A021	WWTC - OPERATIONS	10288.01	
01-12.A022	WWTC - SLUDGE HANDLING	4465.21	
01-12.A023	WWTC - ENERGY RECOVERY	372.00	
01-12.A030	BUILDING AND GROUNDS	2290.95	
01-13.A041	LAB - WWTC	5156.97	
01-14.A051	SEWER MAINTENANCE	10056.40	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	508.41	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	2405.52	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	814.50	
01-14.A064	INSPECTION - MISCELLANEOUS	560.37	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	785.83	
01-14.A066	INSPECTION - CODE ENFORCEMENT	2393.38	
01-14.A072	SEWER INVESTIGATIONS	268.11	
01-15.A030	BUILDING AND GROUNDS	3205.03	
01-15.A080	LIFT STATION MAINTENANCE	418.12	
		90004.60	90004.60-

PAYROLL END DATE: 03.31.23  
PAYROLL PAID DATE: 04.04.23  
G/L DATE: 04.30.23

GENERAL LEDGER RECAP  
DATE 04/03/23 PERIOD END 03/31/23 PAGE 4

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		22725.55-
01-00.2000	FEDERAL TAX WITHHELD		3988.78-
01-00.2001	STATE TAX WITHHELD		1637.84-
01-00.2002	SOCIAL SECURITY WITHHELD		2668.52-
01-00.2003	IMRF WITHHELD		1569.70-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1699.24-
01-00.2017	VOLUNTARY GROUP LIFE		64.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		300.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		498.35-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		152.16-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		115.68-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	9562.48	
01-11.A004	FINANCIAL RECORDS	146.36	
01-11.A007	CODE ENFORCEMENT	8991.20	
01-12.A006	ENGINEERING	364.70	
01-12.A009	OPERATIONS MANAGEMENT	4433.04	
01-12.A011	MAINTENANCE - WWTC	6029.48	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	72.78	
01-12.A014	MAINTENANCE - ELECTRICAL	262.44	
01-12.A021	WWTC - OPERATIONS	182.67	
01-12.A030	BUILDING AND GROUNDS	393.66	
01-13.A009	OPERATIONS MANAGEMENT	2864.48	
01-13.A041	LAB - WWTC	352.34	
01-13.A042	LAB - PRETREATMENT	815.01	
01-13.A048	LAB - ENERGY RECOVERY	374.71	
01-14.A006	ENGINEERING	219.14	
01-15.A009	OPERATIONS MANAGEMENT	472.39	
		35536.88	35536.88-

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
A-FORMULA MECHANICAL CORP	A000065	03/23/23	43852	01-12.B805	CHEM CLN CONDENSER REPAIR	213.68		
		03/23/23	43852	01-12.B812	CHEM CLN CONDENSER REPAIR	854.73	1068.41	104800
ACE HARDWARE	A000095	03/30/23	3358763	01-12.B116	MSB SUPPLIES	21.16	21.16	064130
ACI Payments Inc.	A000096	03/20/23	1000090122	01-11.B110	OLR FEES	26.90	26.90	104801
Archon Construction Co., Inc.	A000102	03/20/23	PAYMENT 1	01-14.B902	OUTFALL SEWER SAG REPAIR	189189.25	189189.25	064165
ALLAN J COLEMAN	A000245	03/24/23	0281607	01-14.B115	CAMERA REPAIR	986.47	986.47	064131
ALTORFER INDUSTRIES, INC.	A000292	01/13/23	P6AC0056631	01-15.B522	FREIGHT CHARGES	43.50		
		04/06/23	P6AC0065924	01-12.B501	MAINTENANCE PARTS	283.38		
		03/21/23	PM6A0015711	01-15.B526	NW GEN ANNUAL PM	3124.00		
		03/21/23	PM6A0015712	01-15.B520	BUTTERFLD GEN ANNUAL PM	1045.00		
		03/21/23	PM6A0015713	01-15.B526	NW STAT GEN ATS MAINT	174.00		
		03/22/23	PM6A0015761	01-15.B529	PORT GEN 200 ANNUAL P/M	942.00		
		03/22/23	PM6A0015762	01-15.B529	PORT GEN 350 ANNUAL P/M	942.00		
		03/23/23	PM6A0015817	01-15.B523	EARLSTON STAT GEN ANN P/M	837.00		
		03/23/23	PM6A0015818	01-15.B525	LIB PARK GEN ANNUAL PM	1881.97		
		03/23/23	PM6A0015819	01-15.B525	LIB PARK ATS MAINTENANCE	174.00	9446.85	104802
Amazon Business	A000296	04/02/23	163LJGMKNJXN	01-13.B116	LAB SUPPLIES	137.32		
		03/26/23	16C4KV9KM436	01-11.B113	NOISE CANCELING HEADSETS	193.50		
		03/26/23	16NJ7WPJ9XW	01-12.B510	INK CARTRIDGES/OIL PAIL	365.31		
		03/26/23	179HJGJT133W	01-12.B510	CREDIT FOR PAIL OF OIL	329.35-		
		03/24/23	17LWWVD9MX	01-11.B116	HEADPHONE EXT CABLES	44.39		
		03/18/23	1JC7MRXGDJYP	01-12.B116	HANGING FOLDERS	80.39		
		03/28/23	1JKM4KPKWYQ7	01-11.B112	WIRELESS HEADSETS	1120.50		
		03/24/23	1NTPRVJHC7T4	01-14.B115	USB PORTS	35.58		
		04/10/23	1PVR6YYXKNHD	01-12.B117	NP OUTERWEAR	28.30		
		04/02/23	1Q3K3VMHLMGQ	01-12.B116	PLASTIC CAR SEAT COVERS	31.99		
		04/02/23	1Q3K3VMHLMGQ	01-12.B512	CUTTING SHEARS	27.77		
		03/28/23	1TGLM7H63JVF	01-13.B115	WATER COOLER DISPENSER	197.99		
		03/27/23	1TP1YXN3QHNJ	01-12.B116	SOAP & DISPENSERS	183.99	2117.68	104803
AUTOZONE - AZ COMMERCIAL	A000600	03/17/23	2576286618	01-12.C225	TAIL LIGHT BULBS	23.98		
		03/20/23	2576288586	01-12.C225	ELECTRICAL TRK AIR FILTER	15.99		
		03/23/23	2576290186	01-12.C225	BRAKE PARTS RETURN	140.81-	** 100.84-	064132 **
BAXTER & WOODMAN, INC.	B000120	03/20/23	0244408	01-11.B124	FLOW MONITORING	103.35		
		03/20/23	0244409	01-11.B124	MISC ENGINEERING SVCS	62.50		
		03/20/23	0244410	01-14.B902	OUTFALL CONSTRUCTION SVCS	750.00		
		03/20/23	0244418	01-12.B812	WWTC & LS CODE REVIEW	991.25		
		03/20/23	0244421	01-11.B124	2023 MISC ENGINEERING SVC	1827.50	3734.60	104804
BUTTREY RENTAL SERVICE, INC.	B000500	03/09/23	322856	01-15.B529	PINTLE HITCHES	225.00	225.00	064133
CSWEA	C000060	03/23/23	ANNUAL MEET	01-11.B117	AU ANNUAL MEETING	515.00		
		03/23/23	ANNUAL MEET	01-14.B117	BS ANNUAL MEETING	515.00	1030.00	064166
CASSIDY TIRE & SERVICE	C000090	03/20/23	912010111	01-12.B512	(4) FORK LIFT TIRES	654.08	654.08	104805
CHAMBER630	C000170	03/27/23	77843	01-11.B137	MEMBERSHIP RENEWAL	300.00	300.00	064134
CHEM-WISE ECOLOGICAL	C000190	04/03/23	1126544	01-11.B118	PEST CONTROL ADMIN CTR	105.00		
		04/03/23	1126544	01-12.B812	PEST CONTROL PLANT	200.00	305.00	104806
CINTAS #344	C000300	03/21/23	4150050708	01-12.B117	WWTC UNIFORMS	84.40		
		03/21/23	4150050708	01-14.B117	SS UNIFORMS	25.03		

**\*\*We are aware of the negative balance check, we will be voiding it, and will apply credit to future balance.\*\***

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		03/28/23	4150767284	01-12.B117	WWTC UNIFORMS	86.09		
		03/28/23	4150767284	01-14.B117	SS UNIFORMS	233.77		
		03/04/23	4151459912	01-12.B117	WWTC UNIFORMS	152.84		
		03/04/23	4151459912	01-14.B117	SS UNIFORMS	25.03		
		04/11/23	4152159094	01-12.B117	WWTC UNIFORMS	91.18		
		04/11/23	4152159094	01-14.B117	SS UNIFORMS	71.29	769.63	064135
CINTAS FIRST AID & SAFETY	C000320	04/05/23	5152610485	01-11.B113	FIRST AID REPLENISH	251.78	251.78	064136
COMCAST	C000373	04/03/23	877102012005	01-11.B112	INTERNET BACK UP	124.90	124.90	064137
Comcast	C000375	04/01/23	170155689	01-11.B112	INTERNET SERVICE	830.00	830.00	064138
COMED	C000380	03/15/23	0055025057	01-15.B100	COLLEGE LS ELECTRIC	700.37		
		03/15/23	0068029014	01-15.B100	CENTEX LS ELECTRIC	135.03		
		03/15/23	0120089072	01-15.B100	WROBLE LS ELECTRIC	793.29		
		03/15/23	0458029046	01-15.B100	LIBERTY PARK LS ELECTRIC	536.79		
		03/22/23	05620800004	01-12.B100	VENARD LS ELECTRIC	625.93		
		03/15/23	1095091170	01-15.B100	NORTHWEST LS ELECTRIC	1406.91		
		03/31/23	1108062005	01-11.B100	ADMIN CTR ELECTRIC	24.87		
		03/31/23	1108062005	01-12.B100	PLANT ELECTRIC	7102.00		
		04/04/23	1108062005 2	01-11.B100	ADMIN ELECTRIC	103.60		
		04/04/23	1108062005 2	01-12.B100	PLANT ELECTRIC	9766.06		
		03/15/23	1810068039	01-15.B100	EARLSTON LS ELECTRIC	425.98		
		03/15/23	3240038012	01-15.B100	BUTTERFIELD LS ELECTRIC	171.35		
		03/15/23	4657083017	01-15.B100	HOBSON LS ELECTRIC	3382.85		
		03/24/23	6770572011	01-12.B100	WALNUT HSE ELECTRIC	34.26		
		03/24/23	6770572011	01-14.B910	BSSRAP YARD ELECTRIC USE	299.11		
		03/24/23	8762083052	01-12.B100	BIG TOP ELECTRIC	101.18	25609.58	064139
CONCENTRIC INTEGRATION, LLC	C000410	03/20/23	0244413	01-12.B513	WWTC PLC UPGRADES PH 2	17357.12		
		03/20/23	0244416	01-11.B115	2022-2023 SUPP SVCS	1914.73		
		03/20/23	0244416	01-12.B513	2022-2023 SUPP SVCS	3887.77		
		03/20/23	0244420	01-15.B529	REMOTE CELLULAR CONNECT	386.25		
		03/21/23	0244754	01-12.B513	2022-2023 T&M SUPP SVCS	1140.00	24685.87	104807
COVERALL NORTH AMERICA, INC	C000557	04/01/23	1010712117	01-12.B812	MSB CLEANING	304.00		
		04/01/23	1010712117	01-13.B116	LAB CLEANING	157.00		
		04/01/23	1010712118	01-11.B118	ADMIN CTR CLEANING	429.00	890.00	104808
CURTIS MARTIN GROUP, INC.	C000660	03/29/23	8682	01-11.B115	BILLING PROGRAM SUPPORT	2040.00	2040.00	104809
DAHME MECHANICAL INDUSTRIES	D000030	03/22/23	20230087	01-15.B524	HOB VALVE REPL PUMP 1&2	11215.00	11215.00	104810
DELTA INDUSTRIES, INC.	D000210	03/31/23	SIN008506	01-12.B512	AIR COMP MAINTENANCE	1128.21		
		03/31/23	SIN008506	01-12.B513	AIR COMP MAINTENANCE	1128.22	2256.43	104811
DELTA SONIC	D000220	03/31/23	INV0004487	01-12.C225	WWTC CAR WASHES	16.66		
		03/31/23	INV0004487	01-14.C225	SS CAR WASHES	24.99	41.65	064140
VILLAGE OF DOWNERS GROVE	D000480	03/17/23	6651	01-12.B113	ELEVATOR INSPECTION	170.00		
		03/17/23	6988	01-11.B121	METER READINGS	475.31		
		04/06/23	7043	01-11.C222	ADMIN FUEL	94.45		
		04/06/23	7043	01-12.C222	PLANT FUEL	1758.53		
		04/06/23	7043	01-13.C222	LAB FUEL	35.54		
		04/06/23	7043	01-14.C222	SS FUEL	2105.63		
		04/14/23	7056	01-11.B121	METER READINGS	475.31	5114.77	064141

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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
DUPAGE COUNTY RECORDER	D000620	03/20/23	40486646	01-14.B910	BSSRAP DOCS	684.00		
		03/20/23	40486648	01-14.B910	BSSRAP DOCS	684.00		
		03/20/23	40486649	01-11.B124	SS CONSTRUCTION DOCS	57.00		
		03/20/23	40486649	01-14.B910	BSSRAP DOCS	399.00		
		03/20/23	40486652	01-14.B910	BSSRAP DOCS	684.00		
		03/20/23	40486653	01-11.B124	SS CONSTRUCTION DOCS	171.00		
		03/20/23	40486653	01-14.B910	BSSRAP DOCS	543.00		
		03/20/23	40486657	01-14.B910	BSSRAP DOCS	684.00		
		03/20/23	40486660	01-14.B910	BSSRAP DOCS	285.00		
		03/20/23	40486663	01-14.B910	BSSRAP DOCS	684.00		
		03/20/23	40486685	01-11.B124	SS CONSTRUCTION DOCS	570.00	5445.00	064142
EDWARD OCCUPATIONAL HEALTH	E000027	03/31/23	0016445200	01-11.B113	EB HEP B VACCINE	137.00	137.00	064143
EXODUS TECHNOLOGY SERVICE	E000480	03/20/23	23116	01-11.B124	FEBRUARY IT SUPP SVCS	3156.24	3156.24	064144
EYE MED VISION CARE	E000600	04/01/23	165716237	01-17.E455	VISION INSURANCE	466.07	466.07	064145
FEDEX KINKO'S	F000075	04/05/23	361300024834	01-13.B116	COIL MIXED COVERS	22.46	22.46	064146
FirstComm	F000136	04/06/23	125223511	01-11.B112	PHONE INSTALL & SERVICE	849.55		
		04/06/23	125223511	01-12.B112	PHONE INSTALL & SERVICE	664.40		
		04/06/23	125223511	01-13.B112	PHONE INSTALL & SERVICE	178.24		
		04/06/23	125223511	01-14.B112	PHONE INSTALL & SERVICE	381.55	2073.74	064167
FIRST ENVIRONMENTAL LAB	F000140	03/21/23	174386	01-13.B123	MARCH 2023 NPDES	117.60		
		03/24/23	174469	01-13.B123	MARCH 2023 BIOSOLIDS	288.00		
		03/31/23	174583	01-13.B123	BLDG H SOIL SAMPLES	252.00	657.60	104812
W. W. GRAINGER, INC.	G000520	03/21/23	6314304009	01-12.B513	SEE SHEET	46.12		
		03/13/23	9637924441	01-11.B113	SEE SHEET	248.88		
		03/16/23	9641715553	01-12.B512	SEE SHEET	12.18		
		03/16/23	9641715561	01-15.B529	SEE SHEET	13.71		
		03/16/23	9641715579	01-12.B513	SEE SHEET	36.33		
		03/17/23	9643148043	01-12.B116	SEE SHEET	6.15		
		03/20/23	9644920481	01-13.B117	SEE SHEET	69.62		
		03/20/23	9645350373	01-12.B116	SEE SHEET	15.16		
		03/20/32	9645422966	01-12.B512	SEE SHEET	244.74		
		03/20/23	9645827131	01-12.B113	SEE SHEET	165.30		
		03/21/23	9647757666	01-12.B512	SEE SHEET	199.08		
		03/21/23	9647757674	01-12.B512	SEE SHEET	51.76		
		03/22/23	9648910983	01-11.B113	SEE SHEET	57.12		
		03/22/23	9648910991	01-12.B512	SEE SHEET	5.72		
		03/27/23	9653538893	01-12.B512	SEE SHEET	35.35		
		03/27/23	9653807728	01-12.B117	SEE SHEET	24.91		
		03/28/23	9654573691	01-12.B116	SEE SHEET	38.04		
		03/28/23	9655433978	01-12.B113	SEE SHEET	64.55		
		03/30/23	9657596475	01-12.B113	SEE SHEET	33.48		
		03/31/23	9659475918	01-12.B116	SEE SHEET	125.69		
		03/31/23	9659475926	01-12.B512	SEE SHEET	30.08		
		04/05/23	9664247518	01-12.B512	SEE SHEET	20.78		
		04/05/23	9664247526	01-12.B512	SEE SHEET	177.24		
		04/05/23	9664247534	01-12.B512	SEE SHEET	51.75		

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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
HACH COMPANY	H000040	04/06/23	9665499472	01-12.B117	SEE SHEET	32.11		
		04/06/23	9666941886	01-11.B113	SEE SHEET	142.80		
		04/06/23	9666946026	01-13.B114	SEE HEET	180.95	2129.60	104813
		04/04/23	13529071	01-13.B114	LAB SUPPLIES	563.03		
		04/04/23	13529071	01-13.B116	LAB SUPPLIES	98.70		
		04/05/23	13530665	01-13.B114	LAB SUPPLIES	269.70		
Hazchem Environmental Corp.	H000185	04/05/23	13530665	01-13.B116	LAB SUPPLIES	255.96		
		04/07/23	13533240	01-13.B114	LAB SUPPLIES	174.60	1361.99	104814
		04/07/23	2244079	01-12.B812	TESTING	8379.50		
		04/07/23	2344078	01-12.B812	TESTING	8660.00		
		04/07/23	2344080	01-11.B118	ADMIN CTR CLEAN UP	3482.00		
		04/07/23	2344081	01-11.B118	ADMIN CTR CLEAN UP	2643.00		
HOME DEPOT	H000400	04/07/23	2344082	01-12.B812	LAB CLEAN UP	5919.00		
		04/07/23	2344083	01-12.B812	LAB CLEAN UP	6948.00		
		04/07/23	2344084	01-12.B812	LAB CLEAN UP	3613.00		
		04/07/23	2344085	01-12.B812	OPS CTR EXT TESTING	5964.00	45608.50	104815
		03/03/23	0011555	01-13.B115	SEE SHEET	29.22		
		03/23/23	0053680	01-14.B116	SEE SHEET	28.00		
		03/23/23	0623030	01-12.B512	SEE SHEET	54.84		
		03/23/23	0623030	01-12.B812	SEE SHEET	120.96		
		03/22/23	1021799	01-12.B809	SEE SHEET	15.14		
		03/22/23	1021800	01-12.B116	SEE SHEET	9.97		
		04/10/23	2013047	01-13.B115	SEE SHEET	116.22		
		03/21/23	2021029	01-15.B521	SEE SHEET	41.62		
		03/31/23	2021817	01-12.B116	SEE SHEET	16.94		
		04/10/23	2162336	01-12.C225	SEE SHEET	57.88		
		04/10/23	2970811	01-13.B115	SEE SHEET	578.00		
		04/03/23	3023221	01-13.B115	SEE SHEET	7.20		
		03/09/23	4011801	01-13.B115	SEE SHEET	186.30		
		03/29/23	4161433	01-14.B117	SEE SHEET	100.00		
		03/29/23	4161434	01-14.B117	SEE SHEET	100.00		
		03/28/23	5054136	01-13.B115	SEE SHEET	100.97		
		03/27/23	6021453	01-12.B116	SEE SHEET	93.97		
		03/27/23	6022289	01-12.B512	SEE SHEET	30.93		
		04/05/23	7012838	01-13.B115	SEE SHEET	145.13		
		03/16/23	7020611	01-11.B118	SEE SHEET	24.21		
		04/05/23	7022342	01-12.B116	SEE SHEET	11.97		
		03/24/23	9022015	01-11.B116	SEE SHEET	27.92		
		03/24/23	9022015	01-12.B812	SEE SHEET	109.00		
		04/03/23	9022104	01-13.B115	SEE SHEET	17.23		
		04/03/23	9341939	01-13.B115	SEE SHEET	27.92	2051.54	064147
IDEA MARKETING GROUP	I000030	04/01/23	R14714	01-11.B115	MONTHLY WEB HOSTING	95.00	95.00	064148
IL ENV PROTECTION AGENCY	I000260	03/15/23	L173088	01-14.B929	LOAN PAYMENT	90795.56	90795.56	104816
IMPACT NETWORKING INC.	I000400	03/20/23	2907025	01-11.B115	MARCH COPIER SVC	89.00		
		02/01/23	3865957	01-11.B115	FEBRUARY COPIER SVC	77.00	166.00	104817
INFOSEND, INC.	I000415	03/31/23	232788	01-11.B121	MAILING SERVICES	4831.20	4831.20	104818

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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
JUST TIRES	J000300	03/20/23	000037133	01-12.C225	ELECTRICAL TRK NEW TIRES	699.64	699.64	064149
KANSAS CITY LIFE INSURANCE CO	K000045	04/12/23	1553852	01-17.E455	LIFE INSURANCE	386.98	386.98	104819
KARA COMPANY INC.	K000053	03/24/23	373936	01-14.B116	FREIGHT CHARGES	16.16	16.16	104820
KIPP'S LAWNMOWER SALES	K000180	03/28/23	512085	01-12.B512	MSB GAS SAW PARTS	16.90	16.90	064150
KODIAK CONTROLS INC.	K000210	02/03/23	VA31L4A	01-12.B512	PRESSURE GAUGE	38.84	38.84	104821
LOU'S GLOVES	L000300	03/20/23	052286	01-13.B116	EXAM GRADE GLOVES	786.00	786.00	104822
MAGNETROL INTERNATIONAL INC.	M000101	03/30/23	0924460	01-12.B510	DIG 5 WASTE GAS FLW MTR	4067.54	4067.54	064168
MCHENRY COUNTY COLLEGE	M000348	04/05/23	399	01-11.B113	FLAGGER TRAINING	900.00	900.00	064169
MCMASTER-CARR SUPPLY COMPANY	M000360	03/29/23	95285709	01-12.B512	DRILL BIT REPLACEMENTS	25.23		
		04/04/23	95593455	01-12.B506	MSB SUPPLIES	26.84	52.07	104823
MENARDS - BOLINGBROOK	M000430	04/04/23	48289	01-13.B115	LAB REMODEL SUPPLIES	15.34		
		04/10/23	48625	01-13.B115	LAB STORAGE SHELVING	409.62	424.96	064151
MIDAMERICAN ENERGY SERVICES, LLM000554		03/20/23	259824	01-15.B100	NORTHWEST LS ELECTRIC	2044.01		
		03/20/23	259825	01-15.B100	LIBERTY PARK ELECTRIC	521.48		
		03/20/23	259827	01-15.B100	BUTTERFIELD LS ELECTRIC	277.02		
		03/20/23	259828	01-15.B100	EARLSTON LS ELECTRIC	438.39		
		03/27/23	259829	01-15.B100	VENARD LS ELECTRIC	343.70		
		03/20/23	259830	01-15.B100	VENARD LS ELECTRIC	147.85		
		03/20/23	259831	01-15.B100	COLLEGE LS ELECTRIC	574.10		
		03/20/23	462517	01-15.B100	WROBLE LS ELECTRIC	1216.37		
		03/20/23	462518	01-15.B100	HOBSON LS ELECTRIC	3234.04	8796.96	104824
MOTION INDUSTRIES, INC.	M000750	03/20/23	IL1000755182	01-12.B505	EXC FLOW SEW PUMP 8 PARTS	725.43		
		03/21/23	IL1000755313	01-12.B505	EXC FLOW SEW PUMP 8 PARTS	482.55		
		03/22/23	IL1000755463	01-12.B506	PRIM 8 COLL CHN TENSIONER	145.05		
		03/24/23	IL1000755613	01-12.B506	LONG COLL CHN TENSIONER	63.66		
		04/04/23	IL1000756319	01-12.B506	CROSS COLL GEAR REDC RPR	47.58		
		04/05/23	IL1000756409	01-12.B506	PRIM 9 CROSS COLL GEAR RP	46.11		
		04/05/23	IL1000756410	01-12.B506	PRIM 9 GEAR REDUCER RPR	282.47		
		04/05/23	IL1000756419	01-12.B505	EXC FLW SEW PMP8 WEAR RNG	5554.28	7347.13	104825
NALCO WATER PRETREATMENT	N000030	04/01/23	2718301	01-13.B115	DEIONIZER SYSTEM RENTAL	32.22		
		04/01/23	2718302	01-13.B115	DEIONIZER RENTAL	145.80	178.02	104826
NAPCO STEEL, INC.	N000050	03/30/23	465175	01-12.B509	STAIN STEEL SHEETS	396.00		
		03/30/23	465175	01-12.B812	ALUMINUM SHEET	184.00	580.00	104827
NFPA	N000105	03/16/23	8447594y	01-12.B117	NEC HANDBOOK	274.95	274.95	064170
NETT Technologies Inc.	N000210	04/03/23	145695	01-15.B529	PORT GEN MUFFLER REPLACE	2449.66	2449.66	104828
NICOR GAS	N000330	03/16/23	15876210004	01-12.B101	PLANT GAS MARCH/APRIL	882.96		
		03/16/23	44976210003	01-12.B101	PLANT 2 GAS MARCH/APRIL	800.92		
		03/16/23	51006900008	01-12.B101	CHEM FEED GAS	245.35		
		03/16/23	54976210002	01-11.B101	ADMIN CTR GAS	252.33		
		03/16/23	87801017812	01-12.B101	WALNUT HSE GAS	111.73	2293.29	064152
NISSEN ENERGY INC	N000350	03/21/23	305	01-12.B513	CHP 1 COOLANT HOSE	459.81		
		03/21/23	306	01-12.B513	CHP 1 & 2 ENGINE OIL	4464.00		
		04/04/23	308	01-12.B513	CHP 1 & 2 OIL FILTERS	173.84		
		04/12/23	309	01-12.B513	CHP 1 & 2 SPARK PLUGS	1195.52	6293.17	104829
ATLAS FORMS & GRAPHICS	N000700	03/21/23	162357	01-11.B120	GREASE HAUL RECEIPTS	414.57	414.57	064153
PACKKEY WEBB FORD	P000020	03/16/23	165026	01-12.C225	FRNT PASS INT GRAB HANDLE	96.65		

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		03/08/23	C32920	01-14.C225	SS TRUCK REPAIRS	5245.27	5341.92	104830
PETTY CASH	P000350	04/11/23	CASH BOX	01-11.B117	SUPS LUNCHES	203.97		
		04/11/23	CASH BOX	01-11.B119	POSTAGE	2.22		
		04/11/23	CASH BOX	01-12.B117	MR CDL RENEWAL	30.00		
		04/11/23	CASH BOX	01-14.B117	JR OUTWEAR/DC CDL RENEW	100.49	336.68	064154
PHENOVA	P000360	03/28/23	191935	01-13.B114	LAB CHEMICALS	649.90	649.90	104831
POLYDYNE INC.	P000395	03/31/23	172171	01-12.B402	BELT PRESS POLYMER	3074.04	3074.04	104832
PORTABLE JOHN, INC	P000410	04/08/23	272792	01-12.B812	PORTABLE JOHN RENTAL	173.89	173.89	104833
PORTER PIPE AND SUPPLY CO.	P000420	01/26/23	1253385400	01-12.B510	HEAT EXCH 4 MATERIAL	21.33	21.33	104834
PRINCIPAL LIFE INSURANCE CO	P000650	03/18/23	109309910001	01-17.E455	DENTAL INSURANCE	2730.58	2730.58	104835
RENTALMAX ADMINISTRATION	R000250	03/20/23	5780385	01-12.B116	FORKLIFT FUEL	33.69	33.69	064171
Republic Services #551	R000264	03/15/23	055101563333	01-12.B102	GRIT SCREEN DUMPSTER	72.36		
		03/31/23	055101565145	01-12.B102	GRIT SCREEN DUMPSTER	920.32	992.68	064155
REVERE ELECTRIC	R000275	03/23/23	S4883767001	01-12.B513	CONDUIT DUCT SEAL DIG 3	16.90		
		03/23/23	S4884389001	01-12.B512	MAINT REPAIR SUPPLIES	23.83		
		03/23/23	S4884389002	01-12.B512	MAINT REPAIR SUPPLIES	28.55	69.28	064156
S. Schroeder Trucking, Inc.	S000059	04/04/23	26276	01-12.B509	SAND	1106.53	1106.53	064172
SEAWAY SUPPLY CO.	S000200	03/22/23	193349	01-12.B116	MSB SUPPLIES	306.77		
		03/27/23	19334901	01-12.B116	CAN LINERS	30.00		
		03/27/23	193506	01-12.B116	LAUNDRY DETERGENT	46.75		
		04/06/23	193906	01-12.B116	MSB SUPPLIES	160.52	544.04	104836
SEYFARTH SHAW	S000280	04/13/23	4200633	01-11.B124	LEGAL SERVICES	652.50	652.50	104837
CARLY SHAW	S000305	03/14/23	REIMBURSE	01-14.B117	SS JOB POSTING	709.00	709.00	104838
SHERWIN-WILLIAMS CO.	S000320	03/28/23	17364	01-13.B115	LAB REMODEL PAINT	103.09		
		03/28/23	17505	01-13.B115	LAB REMODEL PAINT	132.43		
		03/30/23	18354	01-13.B115	LAB REMODEL PAINT	131.18	366.70	104839
SMARTSIGN	S000432	03/14/23	SMT580441	01-11.B113	REFLECT ALUMINUM SIGN	104.06	104.06	064157
SOLENIS LLC	S000450	03/09/23	132261070	01-12.B402	WAS THICKENER POLYMER	3192.80		
		03/23/23	132271034	01-12.B402	WAS THICKENER POLYMER	3192.80	6385.60	104840
SUBURBAN LIFE PUBLICATIONS	S000867	03/31/23	10071278	01-11.B124	PUBLIC NOTICES	1100.50	1100.50	064158
Thomas Engineering Group	T000170	04/03/23	23119	01-14.B902	ALLEY H SEWER MAIN REPLC	2225.52	2225.52	064173
TERRACE SUPPLY COMPANY	T000250	03/31/23	0001046905	01-12.B116	CYLINDER RENTAL	47.12		
		03/22/23	0071006679	01-12.B116	PAINT PENS FOR METAL FAB	17.28		
		03/24/23	0071006889	01-12.B513	NITROGEN CYLINDER	67.17	131.57	104841
USABBLUEBOOK	U000150	03/16/23	301519	01-13.B115	ULTRA PH ELECTRODE	789.70		
		04/04/23	320672	01-14.B115	CLAW GRABBER	361.95	1151.65	064159
AMY UNDERWOOD	U000189	04/12/23	REIMBURSE	01-11.B117	CSWEA COMP/SEMINAR	468.96		
		04/08/23	REIMBURSE2	01-11.B117	AU BOOTS	119.06	588.02	104842
UNITED PARCEL SERVICE	U000300	03/18/23	00003Y009111	01-13.B116	SHIPPING SERVICE	62.77		
		03/25/23	00003Y009112	01-14.B116	SHIPPING SERVICE	22.37	85.14	064160
UNO CONSTRUCTION CO., INC.	U000450	04/12/13	MARCH2023	01-14.B910	BSSRAP PROGRAM	93087.39	93087.39	104843
VERIZON WIRELESS	V000135	03/28/23	9931261824	01-11.B112	ADMIN CELL SERVICE	256.50		
		03/28/23	9931261824	01-12.B112	PLANT CELL SERVICE	926.27		
		03/28/23	9931261824	01-13.B112	LAB CELL SERVICE	147.90		
		03/28/23	9931261824	01-14.B112	SS CELL SERVICE	483.46		
		03/28/23	9931261824	01-15.B112	LS CELL SERVICE	279.81		

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		04/01/23	9931437432	01-12.B112	PLANT TABLETS	165.45		
		04/01/23	9931437432	01-14.B112	SS TABLETS	40.08		
		04/01/23	9931437432	01-15.B112	LS TABLETS	36.01	2335.48	064161
WAGNER COMMUNICATIONS, INC	W000070	04/01/23	000028672031	01-11.B112	ANSWERING SERVICE	293.66	293.66	104844
WASTE MANAGEMENT SERVICES, INC.	W000170	04/05/23	001195420094	01-12.B102	GARBAGE & RECYCLING	492.67	492.67	064174
WESTFAX	W000350	04/01/23	1416545	01-11.B112	FAXING SERVICE	8.99	8.99	104845
WEST SIDE TRACTOR SALES CO.	W000380	04/03/23	N35994	01-12.B501	BIO EQUIP PART	57.20	57.20	064162
VILLAGE OF WESTMONT	W000450	03/29/23	718133	01-11.B121	METER READINGS	370.01	370.01	064163
VILLAGE OF WOODRIDGE	W000700	04/03/23	3536	01-11.B121	2021-2022 METER READINGS	585.12	585.12	064164
						=====	=====	
Total Payments:						603653.85	603653.85	
ACH Payments Total:						345675.39	.00	
Check Payments Total:						257978.46	603653.85	

01 GENERAL FUND MANUAL CHECK REGISTER FOR 04/18/23

Date: 04/14/23  
Time: 8:27am

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
CHASE	B000050	03/04/23	EMPLPR030423	01-00.2000	FEDERAL TAX WITHHELD	8955.58		
		03/04/23	EMPLPR030423	01-00.2002	EMPL SOC SEC WITHHELD	6787.31		
		03/04/23	EMPLPR030423	01-17.E461	EMPLR SOC SEC WITHHELD	6787.26	22530.15	104777
CHASE	B000050	03/15/23	SUPVPR031523	01-00.2000	FEDERAL TAX WITHHELD	3572.86		
		03/15/23	SUPVPR031523	01-00.2002	EMPL SOC SEC WITHHELD	2516.87		
		03/15/23	SUPVPR031523	01-17.E461	EMPLR SOC SEC WITHHELD	2516.88	8606.61	104779
CHASE	B000050	03/15/23	JBPR031523	01-00.2000	FEDERAL TAX WITHHELD	235.56		
		03/15/23	JBPR031523	01-00.2002	EMPL SOC SEC WITHHELD	152.12		
		03/15/23	JBPR031523	01-17.E461	EMPLR SOC SEC WITHHELD	152.13	539.81	104782
CHASE	B000050	03/18/23	EMPLPR031823	01-00.2000	FEDERAL TAX WITHHELD	8985.86		
		03/18/23	EMPLPR031823	01-00.2002	EMPL SOC SEC WITHHELD	6749.63		
		03/18/23	EMPLPR031823	01-17.E461	EMPLR SOC SEC WITHHELD	6749.61	22485.10	104785
CHASE	B000050	04/04/23	SUPVPR033123	01-00.2000	FEDERAL TAX WITHHELD	3988.78		
		04/04/23	SUPVPR033123	01-00.2002	EMPL SOC SEC WITHHELD	2668.52		
		04/04/23	SUPVPR033123	01-17.E461	EMPLR SOC SEC WITHHELD	2668.49	9325.79	104789
BRUCKER COMPANY	B000400	04/11/23	200605	01-12.B507	BLOWER FILTERS	864.20	864.20	104794
D.G. SANIT DIST #XXXXXXXXX1117	D000400	04/12/23	REIMBURSE	01-00.1001	PAYROLL ACCT REIMBURSE	160251.61	160251.61	104797
D.G. SANIT DIST #XXXXXXXXX1114	D000420	03/23/23	REFUNDS	01-05.3001	REFUNDS	2002.65	2002.65	104798
D.G. SANIT DIST #XXXXXXXXX1112	D000440	04/11/23	REIMBURSE	01-14.B117	TF/KS OUTERWEAR	120.00		
		04/11/23	REIMBURSE	01-14.B910	RODDING FEE	400.00		
		04/11/23	REIMBURSE	01-17.E452	ST NOTARY RENEWAL	64.99	584.99	104799
DUPAGE CREDIT UNION	D000650	03/04/23	EMPLPR030423	01-00.2013	EMPL AUTHORIZED W/HOLDING	2419.00	2419.00	104775
DUPAGE CREDIT UNION	D000650	03/18/23	EMPLPR031823	01-00.2013	EMPL AUTHORIZED W/HOLDING	2419.00	2419.00	104784
HEALTH CARE SERVICE CORP.	H000190	04/12/23	165585	01-17.E455	HEALTH INSURANCE	48255.30	48255.30	104796
ILLINOIS DEPARTMENT OF REVENUE	I000240	03/04/23	EMPLPR030423	01-00.2001	STATE TAX WITHHELD	4066.59	4066.59	104776
ILLINOIS DEPARTMENT OF REVENUE	I000240	03/15/23	SUPVPR031523	01-00.2001	STATE TAX WITHHELD	1544.12	1544.12	104780
ILLINOIS DEPARTMENT OF REVENUE	I000240	03/15/23	JBPR031523	01-00.2001	STATE TAX WITHHELD	94.00	94.00	104783
ILLINOIS DEPARTMENT OF REVENUE	I000240	03/18/23	EMPLPR031823	01-00.2001	STATE TAX WITHHELD	4042.32	4042.32	104786
ILLINOIS DEPARTMENT OF REVENUE	I000240	04/04/23	SUPVPR033123	01-00.2001	STATE TAX WITHHELD	1637.84	1637.84	104790
ILLINOIS MUNICIPAL	I000300	03/30/23	PENSION	01-00.2003	EMPL PENSION DEPOSIT	11005.30		
		03/30/23	PENSION	01-00.2004	EMPL VOL PENSION DEPOSIT	11356.41		
		03/30/23	PENSION	01-17.E460	EMPLR VOL PENSION DEPOSIT	16361.21	38722.92	104792
INVOICE CLOUD	I000750	03/31/23	60720233	01-11.B121	BILLING PORTAL FEES	703.80	703.80	104793
MIDAMERICA ADMIN HRA ACCOUNT	M000557	03/30/23	HRA FUNDING	01-17.E455	HRA ACCT FUNDING	600.00	600.00	104788
Protanic Inc.	P000691	01/31/23	210404	01-12.B513	ANNUAL INSPECTION	799.00	799.00	064128
RED WING SHOE STORE	R000180	04/03/23	451125519	01-12.B117	AG BOOTS	186.99	186.99	064129
TRANSAMERICA RETIREMENT	T000415	03/04/23	EMPLPR030423	01-00.2026	DEF COMP IPPFA	312.92		
		03/04/23	EMPLPR030423	01-00.2027	DEF COMP ROTH IPPFA	200.00		
		03/04/23	EMPLPR030423	01-00.2028	DEF COMP LOAN REPAY IPPFA	145.35	658.27	104778
TRANSAMERICA RETIREMENT	T000415	03/15/23	SUPVPR031523	01-00.2026	DEF COMP IPPFA	115.75		
		03/15/23	SUPVPR031523	01-00.2027	DEF COMP ROTH IPPFA	40.00		
		03/15/23	SUPVPR031523	01-00.2028	DEF COMP LOAN REPAY IPPFA	77.06	232.81	104781
TRANSAMERICA RETIREMENT	T000415	03/18/23	EMPLPR031823	01-00.2026	DEF COMP IPPFA	414.01		
		03/18/23	EMPLPR031823	01-00.2027	DEF COMP ROTH IPPFA	200.00		
		03/18/23	EMPLPR031823	01-00.2028	DEF COMP LOAN REPAY IPPFA	145.35	759.36	104787
TRANSAMERICA RETIREMENT	T000415	04/04/23	SUPVPR033123	01-00.2026	DEF COMP IPPFA	115.68		

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		04/04/23	SUPVPR033123	01-00.2027	DEF COMP ROTH IPPFA	40.00		
		04/04/23	SUPVPR033123	01-00.2028	DEF COMP LOAN REPAY IPPFA	77.06	232.74	104791
U.S. POSTAL SERVICE	U000130	04/05/23	REFILL	01-11.B119	POSTAGE REFILL	1000.00	1000.00	104795
						=====	=====	
					Total Payments:	335564.97	335564.97	
					ACH Payments Total:	334765.97	.00	
					Check Payments Total:	799.00	335564.97	



02 IMPROVEMENT FUND STANDARD CHECK REGISTER FOR 04/18/23

Date: 04/14/23  
Time: 8:27am

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
BAXTER & WOODMAN, INC.	B000120	03/20/23	0244412	02-47.0504	CENTEX PS REPLACEMENT	9420.00	9420.00	104846
IL ENV PROTECTION AGENCY	I000260	03/15/23	L173088 - 2	02-30.0515	LOAN PAYMENT	46595.52	46595.52	104847
						=====	=====	
					Total Payments:	56015.52	56015.52	
					ACH Payments Total:	56015.52	.00	
					Check Payments Total:	.00	56015.52	

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
IL ENV PROTECTION AGENCY	I000260	03/15/23	L173088 - 3	03-30.0515	LOAN PAYMENT	14403.64	14403.64	104848
						=====	=====	
Total Payments:						14403.64	14403.64	
ACH Payments Total:						14403.64	.00	
Check Payments Total:						.00	14403.64	

DATE \_\_\_\_\_

REVIEWED \_\_\_\_\_

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

\_\_\_\_\_  
CLERK

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-00.1000	CASH		939218.82-
01-00.1001	CASH - PAYROLL ACCOUNT	160251.61	
01-00.2000	FEDERAL TAX WITHHELD	25738.64	
01-00.2001	STATE TAX WITHHELD	11384.87	
01-00.2002	SOCIAL SECURITY WITHHELD	18874.45	
01-00.2003	IMRF WITHHELD	11005.30	
01-00.2004	BID DEPOSITS	11356.41	
01-00.2013	CREDIT UNION WITHHELD	4838.00	
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	958.36	
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH	480.00	
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD	444.82	
01-05.3001	USER RECEIPTS	2002.65	
01-11.B100	ELECTRICITY	128.47	
01-11.B101	NATURAL GAS	252.33	
01-11.B110	BANK CHARGES	26.90	
01-11.B112	COMMUNICATION	3484.10	
01-11.B113	EMERGENCY/SAFETY EQUIPMENT	2035.14	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	4215.73	
01-11.B116	SUPPLIES	72.31	
01-11.B117	EMPLOYEE/DUTY COSTS	1306.99	
01-11.B118	BUILDING AND GROUNDS	6683.21	
01-11.B119	POSTAGE	1002.22	
01-11.B120	PRINTING/PHOTOGRAPHY	414.57	
01-11.B121	USER BILLING MATERIALS	7440.75	
01-11.B124	CONTRACT SERVICES	7700.59	
01-11.B137	MEMBERSHIPS/SUBSCRIPTIONS	300.00	
01-11.C222	GAS/FUEL	94.45	
01-12.B100	ELECTRICITY	17629.43	
01-12.B101	NATURAL GAS	2040.96	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	1485.35	
01-12.B112	COMMUNICATION	1756.12	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	433.33	
01-12.B116	SUPPLIES	1277.55	
01-12.B117	EMPLOYEE/DUTY COSTS	991.77	
01-12.B402	CHEMICALS - SLUDGE DEWATERING	9459.64	
01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	340.58	
01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	6762.26	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	611.71	
01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	864.20	
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	1502.53	
01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	4124.83	
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	2857.86	
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	30771.80	
01-12.B805	BLDG AND GROUNDS - INFLUENT PUMPING	213.68	
01-12.B809	BLDG AND GROUNDS - SLUDGE DEWATERING	15.14	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	42421.33	

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.C222	GAS/FUEL	1758.53	
01-12.C225	OPERATION/REPAIR	769.99	
01-13.B112	COMMUNICATION	326.14	
01-13.B114	CHEMICALS	1838.18	
01-13.B115	EQUIPMENT/EQUIPMENT REPAIR	3165.56	
01-13.B116	SUPPLIES	1520.21	
01-13.B117	EMPLOYEE/DUTY COSTS	69.62	
01-13.B123	OUTSIDE LAB SERVICES	657.60	
01-13.C222	GAS/FUEL	35.54	
01-14.B112	COMMUNICATION	905.09	
01-14.B115	EQUIPMENT/EQUIPMENT REPAIR	1384.00	
01-14.B116	SUPPLIES	66.53	
01-14.B117	EMPLOYEE/DUTY COSTS	1999.61	
01-14.B902	SEWER SYSTEM REPAIRS - REPLACEMENT	192164.77	
01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	98433.50	
01-14.B929	ARRA LOAN PRINCIPAL REPAYMENT	90795.56	
01-14.C222	GAS/FUEL	2105.63	
01-14.C225	OPERATION/REPAIR	5270.26	
01-15.B100	ELECTRICITY	16349.53	
01-15.B112	COMMUNICATION	315.82	
01-15.B520	EQPT/EQPT REPAIR - BUTTERFIELD	1045.00	
01-15.B521	EQPT/EQPT REPAIR - CENTEX	41.62	
01-15.B522	EQPT/EQPT REPAIR - COLLEGE	43.50	
01-15.B523	EQPT/EQPT REPAIR - EARLSTON	837.00	
01-15.B524	EQPT/EQPT REPAIR - HOBSON	11215.00	
01-15.B525	EQPT/EQPT REPAIR - LIBERTY PARK	2055.97	
01-15.B526	EQPT/EQPT REPAIR - NORTHWEST	3298.00	
01-15.B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	4958.62	
01-17.E452	LIABILITY/PROPERTY	64.99	
01-17.E455	EMPLOYEE GROUP HEALTH	52438.93	
01-17.E460	IMRF	16361.21	
01-17.E461	SOCIAL SECURITY	18874.37	
02-00.1000	CASH		56015.52-
02-30.0515	PAYMENT ON LOAN PRINCIPAL	46595.52	
02-47.0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVISN	9420.00	
03-00.1000	CASH		14403.64-
03-30.0515	PAYMENT ON LOAN PRINCIPAL	14403.64	
		=====	
		1009637.98	1009637.98-

Vendor	Invoice Date	Amount	Coding	Coding Description	Purchase Location	Emp.	Procurement	Project Name (If applicable)	Item Description
Grainger	03/21/23	\$46.12	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	RF		Network Cabling	RJ45/Cat6 Cable Tester
Grainger	03/13/23	\$248.88	01-11.B113	ADMIN SAFETY	Delivered	JG			Fire Extinguisher Cabinet
Grainger	03/15/23	\$12.18	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	RF		Worn out Tool Replacement (Rolf)	Control Slotted Screwdriver
Grainger	03/16/23	\$13.71	01-15.B529	EQUIP/EQUIP REPAIR - LIFT STATIONS GENERAL	In-Store	FF		150 kW Portable Generator	V-Belt
Grainger	03/16/23	\$36.33	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	In-Store	AG		Digester 3 Remote I/O Panel Replacement	(250) Crimp Connectors
Grainger	03/17/23	\$6.15	01-12.B116	WWTC SUPPLIES	Delivered	JPB		Supplies/Batteries for Cable Tester	(5 pk) Button Batteries
Grainger	03/20/23	\$69.62	01-13.B117	EMPLOYEE/DUTY COSTS	Delivered	RB			Sweatshirt for SG
Grainger	03/20/23	\$15.16	01-12.B116	WWTC SUPPLIES	Delivered	ST			Batteries for screener remote
Grainger	03/20/23	\$244.74	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	JM		Maintenance Repair Supplies	Drop in Anchors, Drill Bit & Rivets
Grainger	03/20/23	\$165.30	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	MM			Disposable gloves for OPS
Grainger	03/21/23	\$199.08	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	03/21/23	\$51.76	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	03/22/23	\$57.12	01-11.B113	ADMIN SAFETY	Delivered	JG		Safety	Safety signs fire extinguishers
Grainger	03/22/23	\$5.72	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	RF		WWTC Door Repairs	5/23" Hex Key for Push/Panic Bars
Grainger	03/27/23	\$35.35	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Worn out Tool Replacement (Chuck)	(7) Drill Bits
Grainger	03/27/23	\$24.91	01-12.B117	EMPLOYEE/DUTY COSTS	Delivered	CP		Back Support (Chuck)	Back Support for Lifting
Grainger	03/28/23	\$38.04	01-12.B116	WWTC SUPPLIES	Delivered	CP		Maintenance Repair Supplies	Antispatter Spray
Grainger	03/28/23	\$64.55	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	JPB		Safety Supplies	XXL Hooded Coverall - 6 Pack
Grainger	03/30/23	\$33.48	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	AC		Safety Supplies	(12 Pr) Chemical Resistant Gloves
Grainger	03/31/23	\$125.69	01-12.B116	WWTC SUPPLIES	Delivered	AC		Shop Supplies	Hand Drum Pump
Grainger	03/31/23	\$30.08	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	MR		Tool Replacement - Marco	Multimeter Test Probes
Grainger	04/05/23	\$20.78	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Cable Ties
Grainger	04/05/23	\$177.24	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Piping Flange Gaskets 4,6 & 8 Inch
Grainger	04/05/23	\$51.75	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	04/06/23	\$32.11	01-12.B117	EMPLOYEE/DUTY COSTS	Delivered	AC		Outerwear (Adam)	Work Gloves
Grainger	04/06/23	\$142.80	01-11.B113	ADMIN SAFETY	Delivered	JG			Safety signs fire extinguishers
Grainger	04/06/23	\$180.95	01-13.B114	CHEMICALS	Delivered	RB			Lab supplies
Home Depot	03/03/23	\$29.22	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	In-Store	JB		Lab Mold Abatement & Remodeling	Drywall screws & lattice
Home Depot	03/23/23	\$28.00	01-14.B116	SEWER SYSTEM SUPPLIES	In-Store	AH			Laundry Detergent
Home Depot	03/23/23	\$120.96	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	CP	Same	MSB Lunchroom Faucet Replacement	Kitchen Sink Faucet
Home Depot	03/23/23	\$54.84	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	CP	Receipt	Maintenance Repair Supplies	Drill & screw driver bits
Home Depot	03/22/23	\$15.14	01-12.B809	BLDG & GROUNDS - SLUDGE DEWATERING	In-Store	AC	Same	Unit Heater Replacement in Belt Press Hopper Room	4" Round Duct Cap
Home Depot	03/22/23	\$9.97	01-12.B116	WWTC SUPPLIES	In-Store	AC	Trip	Supplies	4pk Ratchet Straps
Home Depot	04/10/23	\$116.22	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	In-Store	CP		Lab Mold Abatement & Remodeling	Wall Base, Adhesive, Applicator
Home Depot	03/21/23	\$41.62	01-15.B521	EQUIP/EQUIP REPAIR - CENTEX	In-Store	MR		Temp Outdoor Security Lighting at Centex	Dual Head LED Spotlight
Home Depot	03/31/23	\$16.94	01-12.B116	WWTC SUPPLIES	In-Store	CP		Supplies	Mouse Traps
Home Depot	04/10/23	\$57.88	01-12.C225	OPERATION/REPAIR	In-Store	RF		Electrical Truck Tool Storage	Drawer Liners & Tool Mounting Hooks
Home Depot	04/10/23	\$578.00	01-13.B155	OUTSIDE LAB SERVICES	In-Store	JB		Lab Mold Abatement & Remodeling	Lab Remodel Employee Fridge
Home Depot	04/03/23	\$7.20	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	In-Store	AG		Lab Mold Abatement & Remodeling	Wall Mount Door Stop
Home Depot	03/09/23	\$186.30	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	In-Store	JB		Lab Mold Abatement & Remodeling	Misc supplies
Home Depot	03/29/23	\$100.00	01-14.B117	EMPLOYEE/DUTY COSTS	In-Store	AH			Employee Outerwear
Home Depot	03/29/23	\$100.00	01-14.B117	EMPLOYEE/DUTY COSTS	In-Store	JR			JR Employee Outerwear
Home Depot	03/28/23	\$100.97	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	In-Store	CP		Lab Mold Abatement & Remodeling	Paint Supplies
Home Depot	03/26/23	\$93.97	01-12.B116	WWTC SUPPLIES	In-Store	CP		Supplies	TruFuel & 2 Cycle Fuel Additive
Home Depot	03/27/23	\$30.93	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	CP		Tools	100' Rope & Electrician Chisel
Home Depot	04/05/23	\$145.13	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	In-Store	CP		Lab Mold Abatement & Remodeling	Flooring & Molding Adhesives
Home Depot	03/16/23	\$24.21	01-11.B118	ADMIN BUILDING & GROUNDS	In-Store	CP		Administration Center Lighting	Switches & Cover plates
Home Depot	04/05/23	\$11.97	01-12.B116	WWTC SUPPLIES	In-Store	ST			Damp rid for fire extinguisher sealed boxes
Home Depot	03/24/23	\$109.00	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	CP	Same	MSB Lunchroom Faucet Replacement	Kitchen Sink Faucet
Home Depot	03/24/23	\$27.92	01-11.B116	ADMIN SUPPLIES	In-Store	CP	Receipt	Repair Supplies for Office Board Room Table	Liquid Nails, Trim Screws & Trim
Home Depot	04/03/23	\$17.23	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	In-Store	CP		Lab Mold Abatement & Remodeling	Ceiling Tile Framing
Home Depot	04/03/23	\$27.92	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	In-Store	RF		Lab Mold Abatement & Remodeling	15 Amp Outlets & Cover Plates

Date: 4/11/2023  
Due Date: 4/18/2023  
Invoice #: Reimburse

Petty Cash Checking Reimbursement

D-440

Date	Purchased From	Description	Code	Amount	Ck No.
3/20/2023	Holy Cow Sports	TF Outerwear	14B117	60	3842
4/4/2023	Notary Express	ST Notary Renewal	17E452	64.99	3843
4/4/2023	Kestutis Ribniskas	BSSRAP Rodding Fee	14B910	400	3844
4/11/2023	Holy Cow Sports	KS Outerwear	14B117	60	3845

Total Receipts/Reimbursement 584.99

Expense by code

14B117	120.00
14B910	400.00
17E452	64.99
TOTAL	584.99

**P - 350**

**Invoice #: Cash Box**

Date	Purchased From	Reimbursed To	Description	Code	Amount
3/10/23	Sharkos BBQ		Sups Lunch	11B117	91.19
3/16/23	DMV	D. Carpenter	CDL Renewal	14B117	30.00
3/22/23	DMV	M. Richert	CDL Renewal	12B117	30.00
3/23/23	Thai First		Sups Lunch	11B117	112.78
4/6/23	Post Office	Megan	Postage	11B119	2.22
4/8/23	Walmart	Jose Roche	Outerwear	14B117	70.49
			Total Receipts		336.68

### Expense by code

11B117	203.97
11B119	2.22
12B117	30.00
14B117	100.49

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Amy R. Underwood  
General Manager

FROM: Carly Shaw  
Administrative Supervisor

DATE: April 18, 2023

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, 2023 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).

Seven years ago, the District began collecting contributions from employees to help control the cost of coverage paid by the District, and to continue aligning ourselves with industry norms. This practice continues for all plans offered by the District to employees. In 2021 we offered three plans: a rich HMO, a rich narrow network PPO and broad network PPO all requiring employee premium contributions and offered those same plans in 2022.

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, GCG Financial, for this renewal, who has consulted on previous annual renewals since 2003. Catherine Loney of GCG Financial will be attending the April 18 board meeting to address any questions that may come up.

History

A chronological summary of recent renewals is as follows:

2020 The District maintained its medical coverage with BCBSIL and offered a total of four different plans for employees to choose from (a single provider (Advocate) HMO option identical in benefit structure to the richer HMO option, a rich full HMO, a less rich, broader

network hybrid PPO option, and a richer, narrower network PPO option, with the Advocate plan not requiring employee premium contribution and all others requiring employee premium contribution), continued the dental coverage with Principal in its only year of a one-year contract and began a new four year contract with the same provider as before for vision coverage with EyeMed Vision Care for an overall percent change in health insurance (medical, dental and vision) premiums from the prior year at approximately 3.21% after employee premium contributions were applied and enrollment demographics shifted. BCBSIL discontinued the single provider (Advocate) HMO plan part way through the plan year. In 2020, the District continued to offer a Health Reimbursement Account for employees and their spouses that come off the District's medical group coverage (\$100 per month for each spouse or employee that does not elect coverage through the District). We had two employees and three spouses that are eligible to be on the District's plan, but have elected to obtain coverage elsewhere.

2021 The District maintained its medical coverage with BCBSIL and offered three different plans for employees to choose from (a rich full HMO option, a broad network hybrid PPO option, and a richer, narrower network PPO option, all plans requiring employee premium contributions), continued the dental coverage with Principal in its first year of a two year contract and continued the vision coverage with EyeMed Vision Care in its second year of a four year contract for an overall percent change in health insurance (medical, dental and vision) premiums from the prior year at approximately 8.14% after employee premium contributions were applied and enrollment demographics shifted. The District continued to offer a Health Reimbursement Account for employees and their spouses that come off the District's medical group coverage (\$100 per month for each spouse or employee). We currently have two employees and three spouses that are eligible to be on the District's plan but have obtained coverage elsewhere.

2022 The District maintained its medical coverage with BCBSIL and offered three different plans for employees to choose from (an rich full HMO option, a broad network hybrid PPO option, and a richer, narrower network PPO option, all plans requiring employee premium contributions), continued the dental coverage with Principal in its second year of a two year contract and continued the vision coverage with EyeMed Vision Care in its third year of a four year contract for an overall percent change in health insurance (medical, dental and vision) premiums from the prior year at approximately 7.24% after employee premium contributions were applied and enrollment demographics shifted. The District continued to offer a Health Reimbursement Account for employees and their spouses that come off the District's medical group coverage (\$100 per month for each spouse or employee). We currently have one employee and six spouses that are eligible to be on the District's plan but have obtained coverage elsewhere.

#### Dental and Vision Coverage

We are in the final year of the four-year rate guarantee for vision insurance, so no action has been taken. Dental coverage with Principal has an increase of 5.2% (\$1,770) over current rates without any changes to the coverage. The District's current plan with Principal only covers amalgam fillings, and the employee has to pay the difference in cost when a composite filling is used. We

inquired about adding composite fillings to our coverage as these are being utilized by many providers. This change results in an additional increase of 4.0% (\$1,425) for a total increase over last year of 9.2% (\$3,195) and also includes the addition of porcelain for molars. As an attempt to reduce the general increase to the dental plan, I inquired about moving our life insurance to Principal and in response they were willing to eliminate the 5.2% increase on dental, but the life insurance premiums were much higher than Kansas City Life/NIS. This increase paired with the increase to include the additional filling options made it more costly for the District. (See Life Insurance portion below)

### 2023 Renewal Options

The three plan options that have been quoted for 2023-2024 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 premiums offered to the District from BCBSIL will result in a slight increase in the District's costs as compared to the current year.

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 will increase this year by 8.1% overall which is a total of \$416 for the year. They have also agreed to lock this rate in for two years. This is the first increase in life insurance with Kansas City Life since switching to them back in 2017. As mentioned, I inquired with Principal about what their life insurance rate would be, and it was a more significant increase at 33% (\$2,391) than our current life insurance rates. Although they offered no increase on dental coverage if we switch to them, the combined rates did not result in a savings to the District.

### Employee Premium Contributions

Below is a table highlighting the recommended employee premium contribution requirements for those employees that select Options 1 (rich HMO), 2 (rich hybrid PPO) or 3 (richer, but narrow PPO). In 2022 we increased the employee premium contributions by 5% to help cover the increased expense of the plan premiums. The increase for health insurance premiums for the plan year 2023 is minimal so I feel there is no need to increase the employee premium contributions this year. Also, please note that 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.

<b>OPTION 1 (Rich HMO)</b>	Annual Employee Contribution	Per Paycheck for Hrly	Per Paycheck for Sups
Employee Only	\$470.24	\$18.09	\$19.59
Employee Plus Spouse	\$1,825.83	\$70.22	\$76.08
Employee Plus Children	\$1,608.62	\$61.87	\$67.03
Family	\$2,521.54	\$96.98	\$105.06
<b>OPTION 2 ( Hybrid PPO)</b>	Annual Emp. Contribution	Per Paycheck for Hrly	Per Paycheck for Sups
Employee Only	\$500.00	\$19.23	\$20.83
Employee Plus Spouse	\$1,955.99	\$75.23	\$81.50
Employee Plus Children	\$1,720.30	\$66.17	\$71.68
Family	\$2,698.30	\$103.78	\$112.43
<b>OPTION 3 ( Rich, but Narrow PPO)</b>	Annual Employee Contribution	Per Paycheck for Hrly	Per Paycheck for Sups
Employee Only	\$716.34	\$27.55	\$29.85
Employee Plus Spouse	\$2,806.00	\$107.92	\$116.92
Employee Plus Children	\$2,467.13	\$94.89	\$102.80
Family	\$3,870.13	\$148.85	\$161.26

### Recommendations for Renewal

For the June 1, 2023 renewal, I am recommending that the District's Board of Trustees make the following motion at their regular meeting held on April 18, **"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 18, 2023 for medical insurance coverage with BlueCross BlueShield of Illinois, resume dental coverage with Principal with the changes in coverage as presented, resume vision coverage with EyeMed Vision Care and life insurance coverage with Kansas City Life / NIS with an overall anticipated percent change of 4.22% 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 the current year with no increase to the employee premiums, I have calculated the District's increase in costs would likely not exceed 4.22%. 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.

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 4.87%.

If you concur with this recommendation, this item should be placed on the agenda for the April 18 regular Board meeting.

Attachment

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

DOWNERS GROVE SANITARY DISTRICT  
HISTORY OF PREMIUMS AND BENEFITS

USING CURRENT EMPLOYEE CENSUS

April 18, 2023

PREMIUMS

MEDICAL

MED-CLASS 1-EMPLOYEE ONLY  
MED-CLASS 2-EEE&SPOUSE  
MED-CLASS 3-EEE&CHILD(REN)  
MED-CLASS 4-FAMILY

LIFE INSURANCE  
ADMIN FEE PER MONTH  
MONTHLY PREMIUM  
ANNUAL PREMIUMS  
FSA  
HRA  
RETIREE COST  
EMPLOYEE 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

DENTAL-CLASS 1-EMPLOYEE ONLY  
DENTAL-CLASS 2-EEE&SPOUSE  
DENTAL-CLASS 3-EEE&CHILD(REN)  
DENTAL-CLASS 4-FAMILY  
MONTHLY PREMIUM  
ANNUAL PREMIUMS  
PERCENT CHANGE-DENTAL ONLY

VISION

VISION-CLASS 1-EMPLOYEE ONLY  
VISION-CLASS 2-EEE&SPOUSE  
VISION-CLASS 3-EEE&CHILD(REN)  
VISION-CLASS 4-FAMILY  
MONTHLY PREMIUM  
ANNUAL PREMIUMS  
PERCENT CHANGE - VISION ONLY

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

ANNUAL DEDUCTIBLE-IN NETWORK - INDIVIDUAL  
ANNUAL DEDUCTIBLE-IN NETWORK - FAMILY MAXIMUM  
ANNUAL OUT OF POCKET-IN NETWORK - INDIVIDUAL  
ANNUAL OUT OF POCKET-IN NETWORK - FAMILY MAXIMUM  
ANNUAL DEDUCTIBLE-OUT OF NETWORK - INDIVIDUAL  
ANNUAL DEDUCTIBLE-OUT OF NETWORK - FAMILY MAXIMUM  
ANNUAL OUT OF POCKET-OUT OF NETWORK - INDIVIDUAL  
ANNUAL OUT OF POCKET-OUT OF NETWORK - FAMILY MAXIMUM  
OFFICE VISIT CO-PAY (PCP / SPECIALIST)  
INPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE/COPAY  
OUTPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE/COPAY  
INPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE - OUT OF NETWORK  
OUTPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE - OUT OF NETWORK  
ER CO-PAY  
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)

Proposed 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	Monthly Premium	Cost based on utilization
\$838.91	\$1,677.82	\$769.32	\$2,307.96	\$721.13	\$5,047.91
\$1,677.82	\$0.00	\$1,538.64	\$1,538.64	\$1,442.26	\$10,095.82
\$1,551.98	\$4,655.94	\$1,423.24	\$0.00	\$1,334.09	\$1,334.09
\$2,390.89	\$4,781.78	\$2,192.56	\$4,385.12	\$2,055.22	\$16,441.76
	\$11,115.54		\$8,231.72		\$32,919.58
\$12.65	\$88.55		\$75.90		\$290.95
\$0.00	\$0.00		\$0.00		\$0.00
	\$11,204.09		\$8,307.62		\$33,210.53
	\$134,449.08		\$99,691.44		\$398,526.36
\$7,200.00					
\$0.00					
	(\$16,574.33)		(\$34,092.12)		(\$44,681.16)
	\$117,874.75		\$65,599.32		\$353,845.20
3.60%	\$639,866.88				
	\$625,882.44				
	\$537,734.83				
-2.63%					
PRINCIPAL 1 YEAR (06/01/23 - 5/31/24)					
34.21	\$342.10				
69.46	\$625.14				
85.32	\$255.96				
126.69	\$1,646.97				
	\$2,870.17				
	\$34,442.04				
	9.76%				
EYEMED 4 YEAR RATE GUARANTEE (06/01/20-05/31/24)					
\$6.52	\$58.68				
\$12.40	\$74.40				
\$13.05	\$52.20				
\$19.19	\$249.47				
	\$434.75				
	\$5,217.00				
	0.00%				
PERCENT CHANGE - ALL COVERAGES TOTAL MONTHLY PREMIUM					
	\$48,116.16				
TOTAL ANNUAL PREMIUMS PERCENT CHANGE - ALL COVERAGES					
	\$577,393.87				
	4.22%				
ANNUAL AVERAGE PERCENT CHANGE OVER SIX YEARS					
4.87%					

Current Rates  
(6/1/22 - 5/31/23)

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	Monthly Premium	Cost based on utilization
\$791.96	\$1,583.92	\$731.69	\$2,195.07	\$705.86	\$4,941.02
\$1,583.92	\$0.00	\$1,463.38	\$1,463.38	\$1,411.72	\$9,882.04
\$1,465.13	\$4,395.39	\$1,353.63	\$0.00	\$1,305.84	\$1,305.84
\$2,257.09	\$4,514.18	\$2,085.32	\$4,170.64	\$2,011.70	\$16,093.60
	\$10,493.49		\$7,829.09		\$32,222.50
\$11.50	\$92.00		\$69.00		\$264.50
\$0.00	\$0.00		\$0.00		\$0.00
	\$10,585.49		\$7,898.09		\$32,487.00
	\$127,025.88		\$94,777.08		\$389,844.00
\$6,000.00					
\$0.00					
	(\$7,935.63)		(\$14,848.04)		(\$36,619.12)
	\$119,090.25		\$79,929.04		\$353,224.88
7.12%	\$617,646.96				
	\$576,815.52				
	\$517,412.73				
0.80%					
PRINCIPAL 2 YR CONTRACT (06/01/21-05/31/23)					
31.10	\$311.00				
63.14	\$568.26				
77.88	\$233.64				
115.54	\$1,502.02				
	\$2,614.92				
	\$31,379.04				
	0.00%				
EYEMED 4 YEAR RATE GUARANTEE (06/01/20-05/31/24)					
\$6.52	\$58.68				
\$12.40	\$74.40				
\$13.05	\$52.20				
\$19.19	\$249.47				
	\$434.75				
	\$5,217.00				
	0.00%				
PERCENT CHANGE - ALL COVERAGES TOTAL MONTHLY PREMIUM					
	\$46,167.40				
TOTAL ANNUAL PREMIUMS PERCENT CHANGE - ALL COVERAGES					
	\$554,008.77		\$37,241.88		
	7.21%				
ANNUAL AVERAGE PERCENT CHANGE OVER SIX YEARS					
3.65%					

Blue Cross Blue Shield of Illinois

P5E1BCE Blue Choice Preferred

\$500  
\$1,500  
\$1,500  
\$4,500  
\$1,000  
\$3,000  
Unlimited  
Unlimited  
\$20 / \$40  
\$200 then Ded/Coins  
\$150 then Ded/Coins  
\$300 then Ded/Coins  
\$250 then Ded/Coins  
\$400 then Ded/Coins  
90/10  
\$0/\$10/\$50/\$100/\$150/\$250

Blue Cross Blue Shield of Illinois

G506OPT Blue Options

\$750 BC/\$2,000 PPO  
\$2,250 BC/\$6,000 PPO  
\$6,750 BC/\$8,500 PPO  
\$17,300 BC/\$18,200 PPO  
\$4,000  
\$12,000  
Unlimited  
Unlimited  
\$40/\$60 BC - \$60/\$100 PPO  
\$250 BC/\$500 PPO then Ded/Coins  
\$200 BC/\$400 PPO then Ded/Coins  
\$600 then Ded/Coins  
\$500 then Ded/Coins  
\$600 then Ded/Coins  
80/20 BC 60/40 PPO - OON - 50/50  
\$10/\$20/\$50/\$100/\$150/\$250

Blue Cross Blue Shield of Illinois

P506PSN HMO Blue Precision

\$0  
\$0  
\$1,500  
\$4,500  
N/A  
N/A  
N/A  
N/A  
\$10 PCP/\$45 specialist  
\$150 Copay then 0%  
\$100 Copay then 0%  
N/A  
N/A  
\$300 Ded then 0%  
100/0  
\$0/\$10/\$50/\$100/\$150/\$250

Blue Cross Blue Shield of Illinois

P5E1BCE Blue Choice Preferred

\$500  
\$1,500  
\$1,500  
\$4,500  
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\$400 then Ded/Coins  
90/10  
\$0/\$10/\$50/\$100/\$150/\$250

Blue Cross Blue Shield of Illinois

G506OPT Blue Options

\$750 BC/\$1,750 PPO  
\$2,250 BC/\$5,250 PPO  
\$6,250 BC/\$8,000 PPO  
\$16,500 BC/\$17,400 PPO  
\$3,500  
\$10,500  
Unlimited  
Unlimited  
\$40/\$60 BC - \$60/\$100 PPO  
\$250 BC/\$500 PPO then Ded/Coins  
\$200 BC/\$400 PPO then Ded/Coins  
\$600 then Ded/Coins  
\$500 then Ded/Coins  
\$600 then Ded/Coins  
80/20 BC 70/30 PPO - OON - 50/50  
\$10/\$20/\$50/\$100/\$150/\$250

Blue Cross Blue Shield of Illinois

P506PSN HMO Blue Precision

\$0  
\$0  
\$1,500  
\$4,500  
N/A  
N/A  
N/A  
N/A  
\$10 PCP/\$45 specialist  
\$150 Copay then 0%  
\$100 Copay then 0%  
N/A  
N/A  
\$300 Ded then 0%  
100/0  
\$0/\$10/\$50/\$100/\$150/\$250

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Amy R. Underwood  
General Manager

FROM: Carly Shaw  
Administrative Supervisor

DATE: April 13, 2023

RE: Resolution of Appreciation

Attached is a Resolution of Appreciation for Michael G. Philipp for his years of dedicated service to the District as an attorney. We will present the original framed Resolution to him at a later time with a copy remaining on file at the District. This item should be placed on the agenda for the April 18 Board meeting.

Attachment

C: WDVB, AES, JMW, KJR, RTJ, MJS, MGP

RESOLUTION OF APPRECIATION

WHEREAS, MICHAEL G. PHILIPP, has served the DOWNERS GROVE SANITARY DISTRICT as attorney from 2014 to 2023; and

WHEREAS, the integrity and great distinction of MICHAEL G. PHILIPP as the attorney representing the District has resulted in the best interests of the District and the residents served; and

WHEREAS, the expertise, professionalism and dedication exhibited by MICHAEL G. PHILIPP has ensured the District is in compliance with policies and procedures and following all laws and regulations of programs available to the public and provides solutions to matters of concern to the District and the residents thereof in timely manner; and

WHEREAS, MICHAEL G. PHILIPP has exhibited a keen interest and dedication to public service by his comprehensive and careful review and attention to all matters brought before him for review;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT, that MICHAEL G. PHILIPP is hereby commended for his dedicated and exemplary service to the DOWNERS GROVE SANITARY DISTRICT and to the residents thereof; and

BE IT FURTHER RESOLVED that a copy of this Resolution be spread upon the records of the DOWNERS GROVE SANITARY DISTRICT and an embossed copy thereof be delivered by the Clerk of this District to the said MICHAEL G. PHILIPP.

PASSED AND APPROVED by the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT, this 18th day of April 2023, in honor of the outstanding service by MICHAEL G. PHILIPP to the District.

DOWNERS GROVE SANITARY DISTRICT

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

BY: \_\_\_\_\_  
Vice President

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

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Carly Shaw, Administrative Supervisor

DATE: April 18, 2023

RE: DGSD Annual Newsletter

Copies of the following items are attached for the Board's review at the April 18 meeting:

- 1) DGSD Annual newsletter
- 2) WWTC Open House Invitation insert
- 3) Biosolids Distribution Program brochure
- 4) EasyPay Enrollment Form 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.

We have an estimated cost of \$8,524.65 for this year's newsletter (for printing the newsletter and inserts, envelopes and stuffing of the newsletter and inserts). This is an increase of 5.49% over last year's cost of \$8,080.77. We budgeted \$8,300.00 for this expense. Similar to previous years, Allegra will only print the newsletter and inserts and InfoSend (the District's third-party bill printing and mailing service) will stuff and mail the newsletters and inserts for us in envelopes they provide.

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

Attachments

cc: BOLI, ARU, MGP

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

2710 Curtiss Street  
P.O. Box 1412  
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**

Wallace D. Van Buren  
*President*

Amy E. Sejnost  
*Vice President*

Jeremy M. Wang  
*Clerk*

**Staff**

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



New precast concrete valve vault being set at the Centex Lift Station. See more about the Centex Lift Station Replacement below.



**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.

The District has a comprehensive I/I removal and sewer system rehabilitation program. Priority is given to areas identified as having high amounts of I/I through flow monitoring, field observations and backup or surcharge reports. State-of-the-art techniques are employed, ranging from open-cut replacement to various trenchless technologies such as cured-in-place lining and grouting. Ordinances regulating private property I/I sources are enforced, and rehabilitation is conducted on both public and private sources.

The District intends to complete a historic amount of work in the collection system for the 2023 construction season. As described in more detail herein, the District is in the process of replacing a lift station, replacing a section of forcemain, lining two different sections of sewer, doing open-cut replacement of a section of sewer and a section of the outfall pipe from our WWTC.

**2023 CONSTRUCTION PROJECTS**

**Centex Lift Station Replacement**

Replacement of the Centex Lift Station, which is located on Fairmount Ave. south of 63rd Street in Downers Grove, is currently underway. The lift station was originally installed in 1966 and has reached the end of its service life. The project is expected to be complete by the end of October.

Follow us on social media



## 2023 CONSTRUCTION PROJECTS CONTINUED

### Curtiss Street Trunk Sewer Rehabilitation

The District will be employing state-of-the-art trenchless sewer rehabilitation for the Curtiss Street trunk sewer in Downers Grove. 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 Curtiss Street trunk sewer is two parallel 42" reinforced concrete pipes that run from Curtiss Street along the St. Joseph Creek and into the District's WWTC. These pipes transport sewage that originates in the downtown areas and older sections of the Village of Downers Grove and the Village of Westmont to the WWTC. One of the pipes was installed in 1954, and the other was installed in 1987. Under this project, approximately 4,500 lineal feet of 42-inch reinforced concrete pipe will be rehabilitated using CIPP, which will prevent root intrusion, eliminating obstructions and lost capacity due to infiltration and inflow.

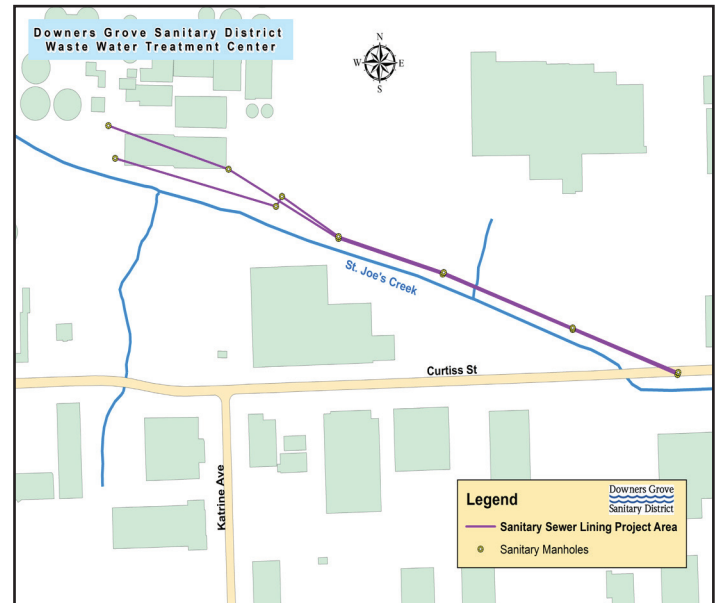
This project will be partially funded by a community grant received through the FY 22 Consolidated Appropriations Act (P.L. 117-103) and administered by the U.S. Environmental Protection Agency.

### Carpenter Street Sewer Rehabilitation

As part of the District's on-going I/I removal efforts in downtown Downers Grove, the sewer which runs beneath Carpenter St from Summit to Maple is also scheduled to be rehabilitated using CIPP. The 8" vitrified clay pipe was originally installed in 1928.

### Venard Forcemain Replacement

Approximately 2,300 feet of 10" forcemain from the District's Venard Lift Station, which is located on Venard Rd. in Downers Grove, will be replaced.



The map above shows the sewer lines that are included in the Curtiss Street sewer lining project.

### Outfall Pipe Repair

The District will be replacing a defective section of the effluent discharge pipe that runs from the WWTC to the East Branch of the DuPage River. The proposed construction consists of installation of approximately 200 lineal feet of 42-inch reinforced concrete pipe, including connection to existing sewer, surface restoration, and other miscellaneous items of work. The District intends to use Local American Rescue Plan Act funds allocated to the District by DuPage County to fund a portion of this project.

## NEW CUSTOMER BILLING PORTAL COMING SOON

The District will be launching a new and improved customer billing portal in July of 2023. The new billing portal provides District customers with a fresh and easy way to pay their sewer bill on any mobile device or computer.

The new billing portal will allow customers to:

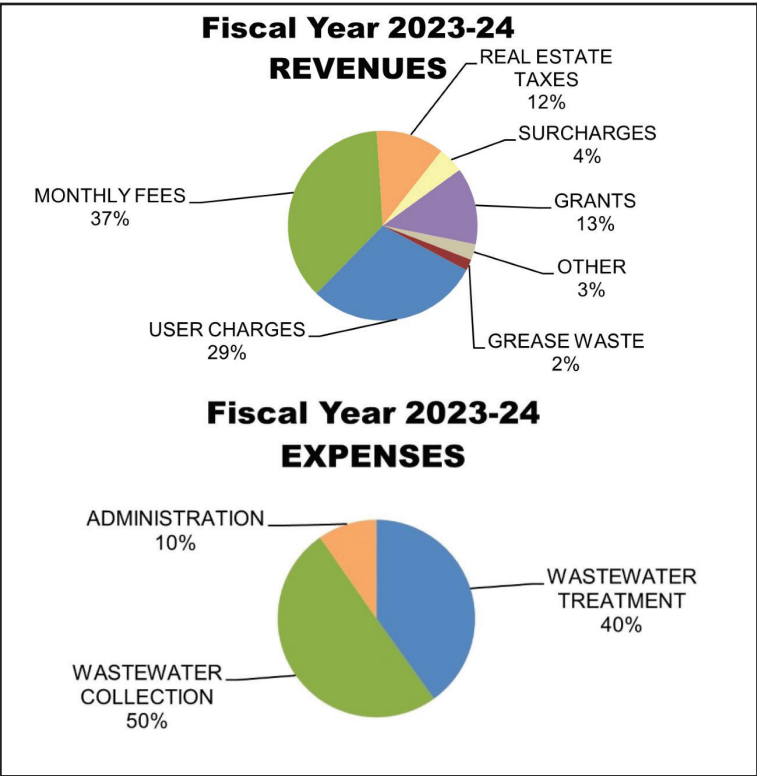
- Register accounts for residential and nonresidential properties;
- Make or schedule payments using a credit card or banking information;
- Sign up for AutoPay and Paperless Billing;
- Use the "Guest Pay" feature to pay account balances;
- Monitor payment and account history; and
- View and track water usage to more closely manage monthly expenses.

In addition to the new billing portal, customers will continue to be able to pay their bill through the District's EasyPay Program, a FREE automatic debit from your checking account. Enrollment may be done online or by returning the enclosed yellow enrollment form to the District. Bills can be paid by mail, in person or via dropboxes located throughout the District. Learn more about payment options at [www.dgsd.org/your-account/payment-options](http://www.dgsd.org/your-account/payment-options).



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 \$12.08 million and expenses are projected to be \$14.50 million. The expenses include \$7,282,960 for the sewer system, \$5,811,621 for wastewater treatment and \$1,401,970 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 2023

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 \$2.25 from \$2.05 per 1,000 gallons of water consumption and the monthly fee increased to \$20.00 from \$19.00 per account. Sampling and monitoring charges assessed to commercial and industrial users increased, effective April 9, 2023. 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 \$1,429,025 for repairs to the sanitary sewer infrastructure, a 4.2% increase from last year. This levy results in a tax rate of \$0.0401 per \$100 of assessed value. A single-family residence with a market value of \$300,000 will pay \$40.10 in real estate taxes to the District in 2023.

SEWER PROBLEMS? OUR ASSISTANCE PROGRAMS CAN HELP!

Building Sanitary Service Repair Assistance Program

If you are having any issues with your sanitary service or are having 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 are usually only required to 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

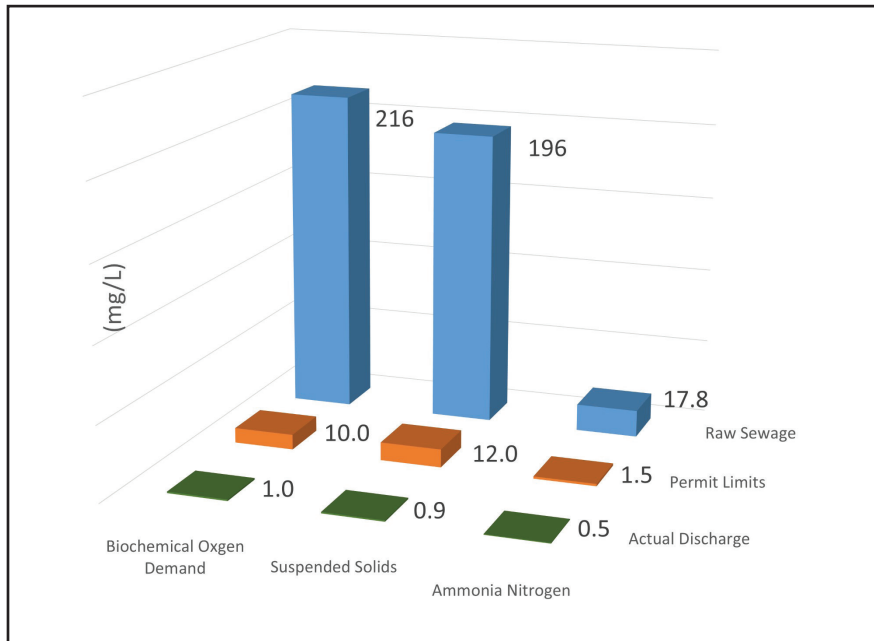
The District requires new construction to include plumbing features needed to protect property from backups that can occur at any time. Owners of older buildings should consider improvements needed to provide this level of protection. This cost sharing program is available for residents who have experienced 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.

## 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 2022 for three major NPDES permit parameters.



### Watershed Group

The District is a founding member and active participant in the DuPage River Salt Creek Workgroup (DRSCW), which is dedicated to managing the valuable stream resources of the East and West Branches of the DuPage River and Salt Creek. While other wastewater treatment plants in Illinois have recently received phosphorus limits in their NPDES permits, the District was able to negotiate with IEPA a schedule that provides additional time before implementation of phosphorus limits in exchange for active participation in the DRSCW to better understand the impacts of nutrients in our watershed and to help fund restoration projects in our receiving stream, with the goal of achieving the most cost-effective environmental improvements with limited available resources. For more information, visit [www.drscw.org](http://www.drscw.org).

## 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 hazardous materials can corrode the sewer, while others complicate the treatment process. For more tips on how to maintain your sewer line, 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. 7, 2023, from 9 a.m. to noon. This Open House will be held only if we are able to safely do so by adhering to current regional guidelines for preventing the spread of COVID-19. 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. 7, 2023  
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!**

*Please note that the Open House will only be held if the District is able to adhere to the regional guidelines which are in place at the time of the event to prevent the spread of COVID-19.*

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 ½ 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. 05/22*

**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, P.O. Box 1412, 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).

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



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

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

**Legal Counsel**  
Michael G. Philipp

*Providing a Better Environment for South Central DuPage County*

## MEMORANDUM

To: Board of Trustees

From : Amy Underwood, General Manager

Date: April 14, 2023

Subject: 2023 Digester 4 Cleaning Contract Award

The District budgeted \$150,000 to clean Digester 4 in FY 23-24. Bids were opened for the 2023 Digester 4 Cleaning project on April 11, 2023. We received two bids for the project. The bid tabulation is attached for your information. Stewart Spreading of Sheridan, Illinois was the lowest bidder with a bid of \$126,500.

Stewart has previously performed work for the District and is well qualified to do this work.

At the April 18 Board meeting, I will request the Board award the 2023 Digester 4 Cleaning project to the lowest responsible and responsive bidder, Stewart Spreading, in the amount of \$126,500 and for the General Manager and Assistant Clerk to sign the same.

C: BOLI, CS, MGP

**DOWNERS GROVE SANITARY DISTRICT**  
**2023 Digester 4 Cleaning Project**  
**BID TABULATION**  
**April 11, 2023**

Bidder	<u>Synagro Central, LLC</u> 435 Williams Ct. Suite 100 Baltimore, MD 21220	<u>Stewart Spreading</u> 3870 N. Route 71 Sheridan, IL 60551
Scope of Work		
1. Mobilization and Demobilization of Equipment	\$54,496.00	\$10,000.00
2. Digester 4 Cleaning (Price per gallon X estimate of 250,000 gals.)	\$143,500.00	\$112,500.00
3. Hydro-Jetting To Clean Internal Discharge Piping (Price per foot x est of 100 ft)	\$8,214.00	\$4,000.00
TOTAL BID:	\$206,210.00	\$126,500.00
Bid Bond	10%	10%
Addenda Acknowledged	2	2
Statement of Experience	X	X
Illinois Prevailing Wage Act & Substance Abuse Prevention Acknowledgement	X	X

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



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

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

**Legal Counsel**  
Michael G. Philipp

*Providing a Better Environment for South Central DuPage County*

## MEMORANDUM

To: Board of Trustees

From: Amy R. Underwood, General Manager

Date: April 14, 2023

Subject: Intergovernmental Agreement with Forest Preserve District of DuPage County for the Maple Grove Bridge Replacement Project

The Downers Grove Sanitary District (District) owns and maintains a gravity overflow pipe, the Gilbert Overflow Sewer, that is encased in a concrete pedestrian bridge over St. Joseph's Creek, located in the northern part of the Maple Grove Forest Preserve just west of the Downers Grove Park District's Gilbert Park. A photo of the bridge is attached. The bridge has deteriorated to the point that replacement is recommended.

The Gilbert Overflow Sewer provides critical capacity in the District's collection system during wet weather events.

The owner of the bridge, the Forest Preserve District of DuPage County (Forest Preserve), has approached the District requesting that the District enter into an intergovernmental agreement (IGA) with the Forest Preserve to prepare a preliminary design report for the replacement of the bridge and sewer pipe. District legal counsel, Michael Philipp, has reviewed the attached IGA, and I recommend moving forward with the agreement and this project.

At the April 18 Board meeting, I will be requesting approval from the Board for the District to enter into the IGA as presented and for the President to sign same.

C: BOLI, MGP, CS



**AN INTERGOVERNMENTAL AGREEMENT BETWEEN  
THE FOREST PRESERVE DISTRICT OF DU PAGE COUNTY AND  
THE DOWNERS GROVE SANITARY DISTRICT, FOR THE  
MAPLE GROVE BRIDGE REPLACEMENT PROJECT  
IN MAPLE GROVE FOREST PRESERVE**

THIS INTERGOVERNMENTAL AGREEMENT (hereinafter referred to as the “AGREEMENT”) is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2023, by and between the Forest Preserve District of DuPage County, a body politic and corporate (hereinafter referred to as the “FPDDC”) with offices at 3S580 Naperville Road, Wheaton, Illinois 60189, and the Downers Grove Sanitary District, a body politic and corporate (hereinafter referred to as the “DGSD”) with offices at 2710 Curtiss Street, Downers Grove, Illinois 60515. The FPDDC and DGSD are hereinafter sometimes individually referred to as a “Party” or together as the “Parties.”

**RECITALS:**

WHEREAS, the FPDDC and DGSD are each public agencies within the meaning of the Intergovernmental Cooperation Act, as set forth in 5 ILCS 220/1 *et. seq.*; and

WHEREAS, Article VII, Section 10, of the Illinois Constitution of 1970 and the Intergovernmental Cooperation Act authorize units of local government to enter into intergovernmental agreements pertaining to intergovernmental activities; and

WHEREAS, the FPDDC owns a concrete pedestrian bridge over St. Joseph’s Creek within Maple Grove Forest Preserve; and

WHEREAS, the DGSD owns and operates a 24-inch diameter sanitary sewer encased within the same concrete pedestrian bridge; and

WHEREAS, structural evaluations undertaken by both the FPDDC and DGSD have identified deficiencies that warrant replacement of the bridge; and

WHEREAS, the Parties agree that replacement of the bridge is necessary for both public safety and efficient operation of the sanitary sewer; and

WHEREAS, due to the joint interest in the structural adequacy of the bridge, the Parties desire to cooperative on the preliminary design of the bridge replacement (hereinafter referred to as the “PROJECT”); and

WHEREAS, the results of the preliminary design will assist both Parties in developing future budgetary costs for the replacement of the bridge and sanitary sewer.

NOW, THEREFORE, in consideration of the promises, terms and conditions set forth herein, and in the spirit of intergovernmental cooperation, the Parties agree that:

**1.0 INCORPORATION OF RECITALS**

1.1 The recitals set forth above are incorporated herein and made a part hereof.

## **2.0 SCOPE OF PROJECT**

- 2.1 The PROJECT shall be located within Maple Grove Forest Preserve as depicted in Exhibit A (sometimes referred to herein as the “PROJECT AREA”). The PROJECT will involve the preliminary design of the bridge replacement and associated sanitary sewer replacement. The design shall include three options for the bridge replacement and three options for replacement of the sanitary sewer. The final preliminary engineering report shall detail each option, provide preliminary cost estimates for each, and provide summaries regarding constructability, anticipated life cycles, and anticipated regulatory permitting.

## **3.0 PROJECT FUNDING AND CONTINGENCIES**

- 3.1 The FPDDC shall solicit proposals from consultants in compliance with the Local Government Professional Services Act. The FPDDC and DGSD shall both review the proposals and jointly select a qualified consultant to perform the work.
- 3.2 The FPDDC shall enter into a contract with the selected consultant and will manage the contract for the duration of the PROJECT. The FPDDC shall pay the consultant directly for the PROJECT and will periodically invoice the DGSD for the PROJECT costs.

## **4.0 FPDDC RIGHTS AND RESPONSIBILITIES**

- 4.1 The FPDDC shall enter into a contract with the selected consultant and be the sole point of contact for the PROJECT. The FPDDC shall promptly pay the consultant for the work and periodically request reimbursement from the DGSD for the DGSD share of the work completed to date. The DGSD may review and issue comments to the FPDDC regarding the preliminary design. The FPDDC agrees to cooperate with the DGSD regarding any proposed changes, alterations, or modifications to the preliminary design. No Party shall unreasonably withhold, condition, delay or deny a request made by another Party.
- 4.2 The FPDDC hereby grants the DGSD’S employees and/or consultant(s) permission to enter upon FPDDC property, depicted as the PROJECT AREA on Exhibit A, for work associated with the PROJECT, at no cost to the DGSD.
- 4.3 The FPDDC shall bear its own expenses related to the use of its employees or consultants for any review, site inspections, meeting attendance or the preparation and issuance of any comments provided for in this AGREEMENT.
- 4.3 Before beginning any PROJECT, the FPDDC shall require each of its consultants, and sub-consultants, to obtain the following minimum insurance coverage, which shall be maintained in force until the FPDDC has furnished the Parties with a letter certifying that all work has been completed:
  - 4.4.1 Workers’ Compensation Insurance with limits as required by the applicable statutes of the State of Illinois.
  - 4.4.2 Employer’s Liability Insurance with limits of not less than one million dollars (\$1,000,000.00) each accident/injury; five hundred thousand dollars (\$500,000.00) each employee/disease.
  - 4.4.3 Commercial General Liability Insurance with limits of not less than one million dollars (\$1,000,000.00) per occurrence bodily injury/ property damage combined single limit; two million dollars (\$2,000,000.00) aggregate bodily injury/property damage combined single limit. The

policy of Commercial General Liability Insurance shall provide “occurrence” based coverage and shall include an endorsement naming the Parties as an additional insured. Each consultant’s and subconsultant’s insurance shall be primary and non-contributory with any FPDDC and DGSD insurance or self-insurance. The Commercial General Liability policy shall include, but not be limited to, the following:

- (a) premises/operations coverage;
- (b) products/completed operations coverage;
- (c) contractual liability;
- (d) personal injury coverage;
- (e) broad form property damage coverage;
- (f) explosion, collapse, and underground coverage; and
- (g) independent contractor liability coverage.

4.4.4 Comprehensive Motor Vehicle Liability Insurance with limits of not less than two million dollars (\$2,000,000.00) each accident bodily injury/property damage combined single limit.

4.4.5 Umbrella/excess liability insurance shall be in force for a minimum limit of one million dollars (\$1,000,000) per each occurrence bodily injury/property damage combined single limit. The umbrella coverage shall apply in excess above the limits stated in subparagraphs 4.4.3 and 4.4.4 above.

The foregoing insurance coverage shall be provided by companies authorized to transact business in the State of Illinois and acceptable to and approved by the Parties. The FPDDC shall provide the Parties with a Certificate of Insurance for each of the coverage specified above and, if requested, copies of the policies or endorsements issued by the insurers. Each certificate and policy shall provide that no cancellation or modification of the policy will occur without at least thirty (30) days’ prior written notice to the Parties. The FPDDC shall not allow any consultant to commence work on properties owned by the Parties until all the insurance coverage required under this paragraph have been obtained and satisfactory evidence thereof has been furnished in writing to the Parties. Each contract between the FPDDC and a consultant performing work on the properties owned by the Parties shall provide that each of the Parties is intended as a third-party beneficiary of the insurance obligation that is required of the contractor, or consultant, under this paragraph.

## **5.0 DGSD RIGHTS AND RESPONSIBILITIES**

- 5.1 The DGSD shall assist the FPDDC in reviewing consultant proposals and selecting a consultant to perform the PROJECT.
- 5.2 The DGSD shall reimburse the FPDDC for 50% of the PROJECT costs within 45 days of receiving an invoice from the FPDDC.

- 5.3 The DGSD may review and issue comments to the FPDDC regarding the preliminary design and may attend any design meetings held by the FPDDC.
- 5.4 The DGSD agrees to cooperate with the FPDDC regarding any proposed changes, alterations, or modifications to the preliminary design. No Party shall unreasonably withhold, condition, delay or deny a request made by another Party.
- 5.5 The DGSD shall bear its own expenses related to the use of its employees or consultants for any review, site inspections, meeting attendance or the preparation and issuance of any comments provided for in this AGREEMENT.

## **6.0 INDEMNIFICATION**

- 6.1 Each Party to this AGREEMENT shall require that any third party vendor, consultant or contractor hired to do work on the PROJECT shall agree to defend, save, indemnify, keep and hold harmless the other parties, and all of their officers, elected officials, servants, agents and employees from all liabilities, damages, suits, costs and expenses in law or equity, including costs of suit, expenses for legal services and defense and judgments and settlements that may at any time arise or be claimed by any person, including the agents, servants and employees of the parties, for personal injury, death or property damage or any and all other claims or suits of any nature whatsoever that might arise or result, directly or indirectly, from the negligent acts or omissions, or the intentional acts of the third party related to its work on the PROJECT. All contracts entered into by each Party to this AGREEMENT with any third-party vendor, consultant or contractor shall include a provision specifically naming the other parties as third-party beneficiaries of the hold harmless and indemnification to be provided by the third-party vendor, consultant, or contractor under this paragraph.
- 6.2 Pursuant to the authority conferred by Article VII of the Local Governmental and Governmental Employee Tort Immunity Act, each Party to this AGREEMENT (as indemnitor) shall defend, save, indemnify, keep and hold harmless the other Party (as indemnitee) and all of their officers, elected officials, servants, agents and employees from all liabilities, damages, suits, costs and expenses in law or equity, including costs of suit, expenses for legal services and defenses and settlements and judgments that may at any time arise or be claimed by any person, including the agents, servants and employees of the indemnitor or indemnitee, for personal injury, death or property damage or any and all other claims or suits of any nature whatsoever that may arise or result, directly or indirectly, or in any manner connected with the indemnitor's rights, responsibilities or actions under this AGREEMENT, when caused by an act or omission to act on the part of the indemnitor, its officers, agents, or employees, that allegedly constitutes, without limitation, negligence, creation or maintenance of a dangerous condition on public property, or intentional infliction of harm. The parties agree that, notwithstanding the language above, no party waives, by these indemnity requirements, any defenses or protections under the Local Government and Governmental Employees Tort Liability Act (745 ILCS 10/1 et seq.), or otherwise available to it, or available to the other parties, under the law and that there shall be no obligation to indemnify whenever a Party has a defense or protection to a claim under the Local Government and Governmental Employees Tort Liability Act or common law.
- 6.3 Each Party to this AGREEMENT shall require that any third-party consultant or contractor that Party hires to do work on the PROJECT shall maintain minimum insurance coverage, in the same amounts and same coverage types as the insurance coverage required of FPDDC-hired contractors enumerated in Paragraph 4.4, above. Such insurance coverage shall identify the other Parties to this AGREEMENT as additional co-insured Parties. Each Party agrees to provide to the other Parties, or make reasonably

available for inspection, copies of the certificates of insurance and required endorsements provided by each Party's respective third-party consultant(s) or contractor(s) and sub-consultant(s) and sub-contractor(s).

- 6.4 Nothing contained herein shall be construed as prohibiting any Party to this AGREEMENT, or its officials, directors, officers, and employees, from defending through the selection and use of their own agents, attorneys and experts, any claims, suits, demands, proceedings, and actions brought against them. The FPDDC'S participation in its defense shall not remove the indemnitors' duty to indemnify, defend, and hold the FPDDC harmless, as set forth above. The DGSD's participation in its defense shall not remove the indemnitors' duty to indemnify, defend, and hold the DGSD harmless, as set forth above.

## **7.0 NOTICES**

- 7.1 All notices required to be given under the terms of this AGREEMENT shall be in writing and either (a) served personally during regular business hours; (b) served by electronic mail (e-mail) during regular business hours; or (c) served by certified or registered mail, return receipt requested, properly addressed with the postage prepaid and deposited in the United States mail. Notices served upon the FPDDC shall be directed to the Executive Director, Forest Preserve District of DuPage County, 3S580 Naperville Road, Wheaton, IL 60189, kfriling@dupageforest.org. Notices served upon the DGSD shall be directed to the General Manager, Downers Grove Sanitary District, 2710 Curtiss Street, Downers Grove, IL 60515, aunderwood@dgsd.org. Notices served personally or by e-mail shall be effective upon receipt, and notices served by mail shall be effective upon receipt as verified by the United States Postal Service.

## **8.0 SEVERABILITY**

- 8.1 In the event any provision of this AGREEMENT is found to be invalid or unenforceable by a court of competent jurisdiction, such determination shall not invalidate or render unenforceable any other provision of this AGREEMENT, providing that the spirit and intent of this AGREEMENT can be given effect.

## **9.0 ENTIRE AGREEMENT**

- 9.1 The provisions set forth herein represent the entire agreement between the parties and supersede any previous oral or written negotiations and agreements. No provision may be modified in any respect unless such modification is in writing and signed by both parties.
- 9.2 In the event of a conflict between the terms or conditions of this AGREEMENT and any term or condition found in any exhibit or attachment, the terms and conditions of this AGREEMENT shall prevail.

## **10.0 MISCELLANEOUS TERMS**

- 10.1 This AGREEMENT shall be executed in duplicate, and each Party shall retain a fully executed copy, each of which shall be deemed an original.
- 10.2 This AGREEMENT shall be governed by the laws of the State of Illinois as to both interpretation and performance. The forum for resolving any disputes concerning the parties' respective performance, or failure to perform, under this AGREEMENT, shall be the Eighteenth Judicial Circuit Court for DuPage County.

- 10.3 This AGREEMENT may be amended or modified only by written instrument duly approved and signed by both parties to the AGREEMENT.
- 10.4 No course of dealing or failure of any Party to enforce strictly any term, right, or condition of this AGREEMENT shall be construed as a waiver of such term, right, or condition. No express waiver of any term, right, or condition of this AGREEMENT shall operate as a waiver of any other term, right, or condition.

IN WITNESS WHEREOF, the parties have entered into this AGREEMENT as of the \_\_\_\_\_ day of \_\_\_\_\_, 2023.

**FOREST PRESERVE DISTRICT OF  
DU PAGE COUNTY**

**DOWNERS GROVE SANITARY  
DISTRICT**

BY: \_\_\_\_\_  
Daniel Hebreard, President

BY: \_\_\_\_\_  
Wallace D. Van Buren, President

ATTEST: \_\_\_\_\_  
Judith Malahy, Secretary

ATTEST: \_\_\_\_\_  
Jeremy M. Wang, Clerk

# maple grove

## EXHIBIT A




### DOWNERS GROVE

The main entrance is on the north side of Maple Avenue 2 miles east of Belmont Road and 1 mile west of Dunham Road. A second entrance is on Gilbert Avenue between Belmont Road and Main Street - Downers Grove.


### THINGS TO KNOW

- Maple forest with vivid fall colors

Trail Key




Maple





0.5 mile


limestone



Link



Trout Lily



0.5 mile

turf

The map illustrates the layout of Maple Grove, featuring a network of trails and surrounding infrastructure. Key elements include:

- Trails:** The **Maple Trail** is shown as a solid blue line, and the **Trout Lily Trail** is shown as a dashed orange line. Both are marked as 0.5 miles long.
- Roads:** **Gilbert Ave.** runs along the top, **Maple Ave.** runs along the bottom, and **Lee Ave.** runs vertically on the left side.
- Landmarks:** **St. Joseph's Creek** flows through the upper portion of the map. A **Leased Area** is indicated by a grey shaded region in the lower-left corner.
- Facilities:** Two parking areas are marked with 'P' icons. Restroom facilities are indicated by icons of a person at a toilet. A trash can icon is also present.
- Orientation:** A north arrow points upwards, labeled "North".
- Bridge Location:** A red circle and line highlight the **BRIDGE LOCATION** where the Maple Trail crosses St. Joseph's Creek.

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Carly Shaw  
Administrative Supervisor

DATE: March 24, 2023

RE: Investment in Certificate of Deposit – Evergreen Bank

In accordance with the District Investment Policy, we purchased the attached eleven-month Certificate of Deposit (CD) with Evergreen Bank on March 24, 2023. The CD is in the amount of \$250,000 at an interest rate of 4.7% and was opened using funds from the Money Market account the District also had with Evergreen Bank. The Money Market account was closed. The CD account is FDIC insured to \$250,000.

Staff requests for the Board to take action ratifying this investment at its next regular meeting of April 18, 2023 **using the following motion:** "I move that we ratify the actions of staff on behalf of the District to open a certificate of deposit in the amount of \$250,000 with Evergreen Bank on March 24, 2023 at an interest rate of 4.7% and a term of eleven months."

Attachment

cc: KJR, RTJ, MJS, ARU, MGP

**ACCOUNT INFORMATION  
CERTIFICATE OF DEPOSIT ACCOUNT**

**Evergreen Bank Group**  
1515 W 22nd Street, Suite 100W  
Oak Brook, Illinois 60523  
(888)505-2265  
www.evergreenbankgroup.com

**ACCOUNT TITLE AND ADDRESS**

Downers Grove Sanitary District  
2710 Curtiss St  
Downers Grove, IL 60515-0000

ACCOUNT OPEN DATE	ACCOUNT NUMBER	OWNERSHIP TYPE	PRODUCT NAME	INITIAL DEPOSIT
March 24, 2023		Governmental Entity	11M Special >100	\$250,000.00
TERM	MATURITY DATE	RENEWAL OPTION		
11 Months	February 24, 2024	Automatic at Maturity		

**GOVERNMENTAL ENTITY INFORMATION**

Name: Downers Grove Sanitary District  
Address: 2710 Curtiss St  
Downers Grove, IL 60515-0000

NAICS/ISIC Code: 221310  
Resolution Date: March 24, 2023

**Customer does not engage in Internet Gambling.**

**DEFINITIONS.** "You," "your," and "account owner" refer to the Customer, whether or not there are one or more Customers named on the account, and the terms "we," "us," and "our" refer to the Bank, Evergreen Bank Group.

**ACKNOWLEDGMENT.** By signing this document, you acknowledge that you have opened the type of account designated above. The undersigned certify that all information provided to the Bank is true and accurate. As the account is in the name of a business entity, you acknowledge that you are acting on behalf of the business entity, and with respect to which you have legal authority to transact business. All signers authorize this Bank to make inquiries from any consumer reporting agency, including a check protection service, in connection with this account.

Your signature acknowledges the receipt of the appropriate Account Agreement for the type of account designated above and that you agree to be bound by the Account Agreement. You acknowledge that you have received the following document(s):

- Funds Availability Policy Disclosure
- Truth In Savings Disclosure
- Customer Schedule of Fees
- Certificate of Deposit

**One Signer Required for Withdrawals**

Downers Grove Sanitary District

By: Amy R Underwood  
Its: General Manager

Date

By: Carly S Shaw  
Its: Treasurer

Date

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



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

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

**Legal Counsel**  
Michael G. Philipp

*Providing a Better Environment for South Central DuPage County*

## MEMORANDUM

To: Board of Trustees

From: Amy R. Underwood, General Manager

Date: April 14, 2023

Subject: Change Order No. 1 - Admin Center Entry Remodel

The District asked YAD Construction, LLC, the contractor on the Admin Center remodel project, for a quote to complete drywall work in the storage room/Safety Coordinator office and the hallway in the Laboratory. The quote was reasonable, so the District had YAD complete the work.

Staff's recommendation is to have this work included as a change order to the Admin Center remodel project as the terms and conditions, bonds, insurance and warranty from that project would then apply to the work in the Laboratory.

At the April 18 Board meeting, I will be requesting approval from the Board for Change Order No. 1 to the Admin Building Entry Remodel contract with YAD Construction, LLC. for a net increase in contract price of \$1,792.50 and for the General Manager to sign same.

C: BOT, BOLI, RPS, CS, MGP

CHANGE ORDER NO. 1

PROJECT: Admin Building Entry Remodel

DATE OF ISSUANCE: 04-18-2023

OWNER: Downers Grove Sanitary District

CONTRACTOR: YAD Construction, LLC

You are directed to make the following changes in the Contract Documents:

DESCRIPTION: Mud and tape drywall in Laboratory office and hallway at the Wastewater Treatment Center.

CHANGE IN CONTRACT PRICE:

Original Contract Price: \$ 131,500.00

Current Contract Price: \$ 131,500.00

Net increase of this Change Order: \$ 1,792.50

Contract Price with this Change Order: \$ 133,292.50

APPROVED: \_\_\_\_\_

Amy R. Underwood, General Manager  
Downers Grove Sanitary District

ACCEPTED: \_\_\_\_\_

Yaw Dwomoh  
YAD Construction, LLC.

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Amy R. Underwood  
General Manager

DATE: April 14, 2023

RE: Proposed Ordinance No. ORD 23-02 – Revisions to Travel Reimbursement Policy

Attached please find a copy of proposed Ordinance No. ORD 23-02 which contains recommended ordinance amendments as described below. Please note that the current maximum allowable reimbursement amounts were set in November 2016 when the Travel Reimbursement Policy was created. As Staff have started to travel to conferences again post-COVID, we are discovering that the current maximum allowable reimbursement amounts are not always sufficient to cover the options available.

A. Meal Expenses (Section 5.b.3)

Staff propose to increase the maximum allowable reimbursement for breakfast to \$22.00, for lunch to \$24.00 and for dinner to \$45.00. This is based on the change in the U.S. Bureau of Labor Statistics Consumer Price Index for All Urban Consumers (CPI-U) from November 2016 to March 2023. The CPI-U for the “food away from home” expenditure category increased 32% during this period.

B. Lodging Expenses (Section 5.c.2)

Staff propose to increase the maximum allowable reimbursement for lodging to \$300.00 per night. This is based on the change in the U.S. Bureau of Labor Statistics Consumer Price Index for All Urban Consumers (CPI-U) from November 2016 to March 2023. The CPI-U for the “other lodging away from home including hotels and motels” expenditure category increased 36% during this period.

I will request Board approval of Ordinance No. ORD 23-02 at the April 18 regular meeting.

cc: BOLI, CS, MGP

AN ORDINANCE AMENDING AN ORDINANCE PROVIDING FOR THE  
REIMBURSEMENT OF TRAVEL, MEAL AND LODGING EXPENSES  
ORDINANCE NO. ORD 23-02

BE IT ORDAINED by the President and Board of Trustees of the Downers Grove Sanitary District, DuPage County, Illinois, that the following portions of Ordinance No. 16-03, "An Ordinance Providing for the Reimbursement of Travel, Meal and Loading Expenses", adopted November 15, 2016, are hereby amended to read as follows:

Section 5. Eligible Travel, Meal and Lodging Expenses and Maximum Allowable Reimbursement Amounts

(b) Meal Expenses

(2) Meals are expected to be of a reasonable cost considering the time of day and locale. The maximum allowable reimbursement amount for each individual meal (such amount including taxes and tip) is as follows:

- i. Breakfast - ~~\$17.00~~ \$22.00
- ii. Lunch - ~~\$18.00~~ \$24.00
- iii. Dinner - ~~\$34.00~~ \$45.00

(c) Lodging Expenses

(2) Lodging expense shall be based on the basic available room rate for single occupancy and shall be limited to an amount no greater than ~~\$222.00~~ \$300.00 per night. All required taxes and fees associated with the lodging are included in this amount.

PASSED AND APPROVED by the President and Board of Trustees of the Downers Grove Sanitary District at a regular meeting of the Trustees held on the 18<sup>th</sup> day of April, 2023.

DOWNERS GROVE SANITARY DISTRICT

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

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

# DOWNERS GROVE SANITARY DISTRICT

## MEMO

TO: Board of Trustees

FROM: Carly Shaw  
Administrative Supervisor

DATE: April 6, 2023

RE: Administrative Services Progress Report – March 2023

### ADMINISTRATIVE

#### Personnel

We continue to seek applicants for the Sewer System Engineering Technician position. I am communicating with one applicant to schedule an interview in April and continue to search our different avenues for more applicants. This job has been posted at local colleges, other organizations such as CSWEA and IAWA, as well as on ZipRecruiter and CareerBuilder. We have also posted this on our website and social media accounts.

#### O'Neill Middle School Visit

On March 8 Reese Berry, Alyssa Caballero and I spent the day at O'Neill Middle School with Mrs. Pinkus's 7<sup>th</sup> grade science class. Reese gave a presentation to each class about how the wastewater is treated and returned to the DuPage River. Each class had made water filters out of different materials, so we also took the time to view these and give some feedback on each of them. Students were quite creative with the use of the materials they used for the different levels of filtration. You could see most understood the process and it was fun to see their creations and hear the explanations behind each filter.

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

There were no new claims for backups in the month of March therefore there is no updated summary attached.

#### Technology Update

On March 30, 2023 our phone system was upgraded to a Teams based service through FirstComm. Staff has received a general training through FirstComm and we continue to learn the platform as we utilize it. We are analyzing which solution will be best for replacing the copper for the SCADA alarm lines and once that decision is made, we will move to replace the elevator lines as well. The two rain gauge lines also remain on copper but will be replaced with a cellular solution in the near future. I was able to confirm that Peerless, our current copper phone line carrier, will continue to supply service to those until we request a disconnect.

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

# of Customers registered in the last month:	87
# of Customers paying their bills online in the last month:	2,371
Amount of Money processed through the Portal in the last month:	\$162,763.89
# of Customers signing up for Autopay through the Portal in the last month:	107
# of Customers enrolled in paperless billing in the last month:	62
# of customers registered for pay by text in the last month:	19
Cost to District for providing Invoice Cloud service in the last month:	\$703.80
Cost to District's customers (convenience fees) in the last month:	\$3,842.28
Estimated Monthly savings from customers enrolled in paperless billing:	\$144.45
# of Customers registered from launch through last month:	8,041
# of Customers signing up for Autopay through the Portal from launch through last month:	3,839
# of Customers enrolled in paperless billing from launch through last month:	4,815
# of customers registered for pay by text from launch through last month:	2,486

## 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.

In March we transferred funds out of the money market account and into a CD with both with Evergreen Bank in the amount of \$250,000. This CD rate is at 4.7%. Sue Testin, Accounting Assistant, has begun conversations with three banks with low rate money market accounts to close them and move those funds into a CDARS program with Lisle Savings. In April I will begin coordinating some additional transfers from Money Market accounts into CD's with some of our current banks as the rates continue to increase.

### User Billing

Detailed billing information is attached to this report.

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

## USER BILLING SUMMARY

### User Charge System

Billings for March 2023 were as follows:

User	\$263,861.29
Surcharge	22,046.68
Monthly fees	377,340.43
Total	<u>\$663,248.40</u>
Summer Usage Adjustment	\$0.00
Billable Flow	128,712,824
Budgeted Billable Flow	128,721,148
% Actual/Budgeted Billable Flow	99.99%
YTD Billable Flow	1,806,037,053
YTD Budgeted Billable Flow	1,811,225,743
% Actual/Budgeted Billable Flow	99.71%

The user accounts receivable balance on 3/31/2023 is \$632,894.60 and consists of:

Current charges due 4/14/2023	\$501,548.29
Past due charges and penalty	131,346.31
Total	<u>\$632,894.60</u>

The past due charges represent:

<u>Age</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Totals</u>
30 days past due	\$57,627.23	\$6,779.72	\$64,406.95
60 days past due	11,947.12	1,821.12	13,768.24
90 days & greater past due	44,200.55	8,970.57	53,171.12
	<u></u>	<u></u>	<u></u>
Totals	\$113,774.90	\$17,571.41	\$131,346.31

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>
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 *
2019	39,815.02	4,905.41	44,720.43 *

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

**Twelve Months Ending MARCH 2023**

<u>Month Ending</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
3/31/23	\$44,200.55	\$8,970.57	\$53,171.12
2/28/23	43,221.84	7,436.11	50,657.95
1/31/23	40,007.16	6,499.14	46,506.30
12/30/22	38,839.46	7,034.95	45,874.41
11/30/22	38,280.18	7,297.03	45,577.21
10/31/22	35,087.27	6,856.09	41,943.36
9/30/22	41,581.27	8,469.98	50,051.25
8/31/22	38,182.42	7,914.98	46,097.40
7/31/22	38,067.35	8,003.01	46,070.36
6/30/22	35,801.73	7,550.71	43,352.44
5/31/22	38,626.36	8,031.01	46,657.37
4/30/22	38,411.53	7,913.94	46,325.47

There were 25 accounts scheduled for Pre-Enforcement on March 15, 2023 of which 16 have paid in full. There are 32 account scheduled for Pre-Enforcement for April 14, 2023.

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

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

Certain highlights of operational activities included:

- Monthly flow: Average daily flows to the plant were 13.75 MGD. Total precipitation at the WWTC was 3.03". There were 2 days of excess flow during the month of March. There were 26 days of discharge over 11 MGD.
- Activated sludge: Operating performance was substandard through the month of March. The thaw with colder influent water temps has caused an abundance of filaments which leads to poor settling of the sludge, and increased ammonia.
- Anaerobic Digesters: Pumped a total of 1,096,384 gallons of primary sludge, 283,723 gallons of TWAS, and 185,061 gallons of waste grease for a total of 1,565,168 gallons pumped to digesters. Total Volatile Solids destruction was calculated at 59.5% for March.
- Digester gas: Total digester gas production was 4,914,271 cubic feet. 1,096,893 cubic feet of gas was used for anaerobic digestion heat, and 2,265,692 cubic feet was used in the CHP facilities. 924,504 cubic feet of flared gas was recorded during the month. The Munters dehumidifier used 627,182 cubic feet of gas.
- Biosolids: Bio-solids drying and delivery season has resumed. Biomechanics have been keeping the Curtiss Street pickup station fully stocked as well. In the month of March, we delivered 51 Dry tons of Class A bio solid.
- Electricity: Overall net energy from ComEd was: 232,697 KW-Hrs. Electricity Generated by the CHP system was 165,477 KW-Hrs. Monthly net energy (including natural gas usage) was 266 MW-Hrs for the month of March.

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

# Monthly Operations Report Page 1

	WWTC Rainfall	B01 Parshall Flume Flow Max	B01 Parshall Flume Flow Min	B01 Parshall Flume Flow Avg (Daily Total)	A01 Parshall Flume Flow Max	A01 Parshall Flume Flow Avg (Daily Total)	C01 Int Clar #1 Flow Max	C01 Int Clar #1 Flow Avg (Daily Total)	Outfall 003 Flow Max	Outfall 003 Flow Avg (Daily Total)	Total Flow Leaving WWTC Avg (Daily Total)	Total Flow Leaving WWTC Max MGD	002 Outfall Flow Avg (Daily Total)
Date	inches	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD
3/1/2023	0.08	23.38	19.94	19.98	0.00	0.00	0.00	0.00	0.00	0.00	19.98	23.38	0.00
3/2/2023	0.00	20.77	14.56	17.30	0.00	0.00	0.00	0.00	0.00	0.00	17.30	20.77	0.00
3/3/2023	0.00	18.62	11.89	14.29	0.00	0.00	0.00	0.00	0.00	0.00	14.29	18.62	0.00
3/4/2023	0.05	16.46	9.87	12.80	0.00	0.00	0.00	0.00	0.00	0.00	12.80	16.46	0.00
3/5/2023	0.03	16.64	9.18	12.21	0.00	0.00	0.00	0.00	0.00	0.00	12.21	16.64	0.00
3/6/2023	0.18	17.18	10.93	13.10	0.00	0.00	0.00	0.00	0.00	0.00	13.10	17.18	0.00
3/7/2023	0.00	16.73	9.13	11.41	0.00	0.00	0.00	0.00	0.00	0.00	11.41	16.73	0.00
3/8/2023	0.00	17.02	8.18	10.92	0.00	0.00	0.00	0.00	0.00	0.00	10.92	17.02	0.00
3/9/2023	0.29	16.75	1.24	10.95	0.00	0.00	0.00	0.00	0.00	0.00	10.95	16.75	0.00
3/10/2023	0.12	19.45	1.24	10.95	0.00	0.00	0.00	0.00	0.00	0.00	10.95	19.45	0.00
3/11/2023	0.01	16.72	11.60	14.43	0.00	0.00	0.00	0.00	0.00	0.00	14.43	16.72	0.00
3/12/2023	0.30	21.42	9.42	12.83	0.00	0.00	0.00	0.00	0.00	0.00	12.83	21.42	0.00
3/13/2023	0.01	20.13	11.49	16.20	0.00	0.00	0.00	0.00	0.00	0.00	16.20	20.13	0.00
3/14/2023	0.00	17.70	13.95	15.82	0.00	0.00	0.00	0.00	0.00	0.00	15.82	17.70	0.00
3/15/2023	0.00	16.93	9.53	12.27	0.00	0.00	0.00	0.00	0.00	0.00	12.27	16.93	0.00
3/16/2023	0.19	20.79	9.12	12.30	0.00	0.00	0.00	0.00	0.00	0.00	12.30	20.79	0.00
3/17/2023	0.11	19.40	14.25	15.48	0.00	0.00	0.00	0.00	0.00	0.00	15.48	19.40	0.00
3/18/2023	0.00	17.44	10.42	13.03	0.00	0.00	0.00	0.00	0.00	0.00	13.03	17.44	0.00
3/19/2023	0.00	17.70	9.26	12.07	0.00	0.00	0.00	0.00	0.00	0.00	12.07	17.70	0.00
3/20/2023	0.00	17.43	8.26	11.42	0.00	0.00	0.00	0.00	0.00	0.00	11.42	17.43	0.00
3/21/2023	0.00	18.03	7.65	10.48	0.00	0.00	0.00	0.00	0.00	0.00	10.48	18.03	0.00
3/22/2023	0.13	15.04	7.17	10.40	0.00	0.00	0.00	0.00	0.00	0.00	10.40	15.04	0.00
3/23/2023	0.26	19.89	9.30	13.98	0.00	0.00	0.00	0.00	0.00	0.00	13.98	19.89	0.00
3/24/2023	0.02	17.35	9.32	12.04	0.00	0.00	0.00	0.00	0.00	0.00	12.04	17.35	0.00
3/25/2023	0.91	25.95	11.03	18.56	25.56	8.81	0.00	0.00	0.00	0.00	27.37	51.52	6.41
3/26/2023	0.08	23.44	15.45	19.23	4.43	1.24	0.00	0.00	0.00	0.00	20.47	27.87	0.00
3/27/2023	0.00	20.85	15.32	17.73	1.47	0.00	0.00	0.00	0.00	0.00	17.73	22.31	0.00
3/28/2023	0.00	19.81	13.14	15.54	0.00	0.00	0.00	0.00	0.00	0.00	15.54	19.81	0.00
3/29/2023	0.00	16.58	11.35	13.17	0.00	0.00	0.00	0.00	0.00	0.00	13.17	16.58	0.00
3/30/2023	0.00	16.88	9.15	12.14	0.00	0.00	0.00	0.00	0.00	0.00	12.14	16.88	0.00
3/31/2023	0.26	16.63	9.77	13.17	0.00	0.00	0.00	0.00	0.00	0.00	13.17	16.63	0.00
Minimum	0.00	15.04	1.24	10.40	0.00	0.00	0.00	0.00	0.00	0.00	10.40	15.04	0.00
Maximum	0.91	25.95	19.94	19.98	25.56	8.81	0.00	0.00	0.00	0.00	27.37	51.52	6.41
Total	3.03	579.11	322.10	426.23	31.46	10.06	0.00	0.00	0.00	0.00	436.29	610.58	6.41
Average	0.10	18.68	10.39	13.75	1.01	0.32	0.00	0.00	0.00	0.00	14.07	19.70	0.21

## 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
3/1/2023	19.98	1,605	49,781	8.80	61	41	30	260		5,200	7.8
3/2/2023	17.30	1,874	58,123	11.03	67	51	37	272	4,199		8.5
3/3/2023	14.29	2,210	68,549	14.03	85	67	54	303		4,813	
3/4/2023	12.80		68,549	13.99							
3/5/2023	12.21		68,549	13.91							
3/6/2023	13.10	2,095	65,007	13.14	83	66	56	317		4,902	8.9
3/7/2023	11.41	2,444	75,808	15.27	90	78	64	317	4,945		9.1
3/8/2023	10.92	2,570	79,732	23.72	93	80	63	311		3,251	9.4
3/9/2023	10.95	2,543	78,889	23.91	90	78	65	309	5,525		
3/10/2023	10.95	2,303	71,458	12.16	87	73	59	316		5,926	
3/11/2023	14.43		71,458	11.99							
3/12/2023	12.83		71,458	11.78							
3/13/2023	16.20	1,920	59,556	9.52	78	59	47	307		5,989	8.2
3/14/2023	15.82	2,025	62,818	10.13	88	69	54	339	3,871		8.8
3/15/2023	12.27	2,117	65,669	25.75	90	75	61	354		3,978	9.0
3/16/2023	12.30	2,234	69,294	16.94	92	77	62	343	4,418		
3/17/2023	15.48	1,799	55,799	9.94	78	66	51	365		5,499	
3/18/2023	13.03		77,438	9.73							
3/19/2023	12.07		55,799	9.71							
3/20/2023	11.42	2,242	69,544	16.08	93	81	68	362		4,157	9.1
3/21/2023	10.48		69,544	16.05	95	87	77				8.7
3/22/2023	10.40		69,544	17.21	94	83	70				
3/23/2023	13.98	1,536	47,651	12.33	76	58	46	378	4,322		7.6
3/24/2023	12.04	2,133	66,172	11.87	94	83	69	388		6,104	
3/25/2023	18.56		66,172	11.86							
3/26/2023	19.23		66,172	11.80							
3/27/2023	17.73	1,309	40,598	8.77	84	68	54	521		5,242	7.8
3/28/2023	15.54	1,618	50,189	11.87	90	70	54	432	3,378		8.6
3/29/2023	13.17	1,717	53,258	16.84	88	71	58	407		4,016	8.7
3/30/2023	12.14	1,696	52,623	16.30	96	88	73	517	3,973		
3/31/2023	13.17	1,536	47,662	18.47	97	86	76	567		3,269	
Minimum	10.40	1,309	40,598.47	8.77	61.23	41.23	29.78	260.08	3,378	3,251	7.6
Maximum	19.98	2,570	79,731.91	25.75	96.75	87.69	76.73	567.44	5,525	6,104	9.4
Total	426.23	41,523	1,972,861.08	434.88	1,989.90	1,654.11	1,344.21	7,688.57	34,631	62,346	120.2
Average	13.75	1,977	63,640.74	14.03	86.48	71.96	58.61	365.95	4,329	4,796	8.6

## 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
3/1/2023	19.98	128			2.0	333	94.5	37	59	51.4
3/2/2023	17.30	135	49	3.2	1.4	202	97.1	31	42	51.9
3/3/2023	14.29							33	40	
3/4/2023	12.80							28	52	
3/5/2023	12.21							29	56	
3/6/2023	13.10	126			0.7	76	98.7	40	60	51.3
3/7/2023	11.41	138	68	1.3	0.6	57	98.6	37	49	51.6
3/8/2023	10.92	100			0.7	64	98.2	37	50	52.4
3/9/2023	10.95	165	61	1.6	0.6	55	98.8	34	42	52.2
3/10/2023	10.95							34	42	
3/11/2023	14.43							34	40	
3/12/2023	12.83	124			1.1	118	96.9	34	42	
3/13/2023	16.20	149			1.2	162	97.3	31	38	51.7
3/14/2023	15.82	145	66	4.3	1.2	158	97.2	26	34	52.2
3/15/2023	12.27							22	52	52.0
3/16/2023	12.30							41	51	51.6
3/17/2023	15.48							24	51	
3/18/2023	13.03							13	26	
3/19/2023	12.07							18	42	
3/20/2023	11.42							29	53	51.8
3/21/2023	10.48	189	79	6.3	2.3	201	98.0	36	56	51.6
3/22/2023	10.40	219			2.9	252	97.9	40	53	51.9
3/23/2023	13.98							37	49	51.8
3/24/2023	12.04							36	49	
3/25/2023	18.56	170						35	47	
3/26/2023	19.23	115						30	52	
3/27/2023	17.73	120			1.9	281	96.8	30	51	50.9
3/28/2023	15.54	107	42	6.2	1.6	207	97.2	26	51	51.1
3/29/2023	13.17	111			1.0	110	97.8	28	45	51.1
3/30/2023	12.14	112	53	5.8	1.0	101	97.6	26	58	51.1
3/31/2023	13.17							51	71	
Minimum	10.40	100	42	1.3	0.60	55	94.5	13	26	50.9
Maximum	19.98	219	79	6.3	2.90	333	98.8	51	71	52.4
Total	426.23	2,353	418	28.7	20.20	2,378	1,462.7	930	1,502	929.6
Average	13.75	138	60	4.1	1.35	158	97.5	32	48	51.6

## 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
3/1/2023	19.98	120			1.8	300	98.5	7.7	7.8	7.2	7.4
3/2/2023	17.30	116	25	8.8	0.7	101	99.4	7.7	7.8	7.2	7.3
3/3/2023	14.29	88			0.2	24	99.8	7.7	7.9	7.2	7.4
3/4/2023	12.80	96			0.5	53	99.5				
3/5/2023	12.21	104			0.2	20	99.8				
3/6/2023	13.10	92			0.3	33	99.7	7.8	7.7	7.2	7.2
3/7/2023	11.41	128	45	1.8	0.4	38	99.7	7.8	7.9	7.1	7.2
3/8/2023	10.92	68			0.2	18	99.7	7.8	7.8	7.2	7.3
3/9/2023	10.95	152	40	3.0	0.4	37	99.7	7.7	7.8	7.1	7.2
3/10/2023	10.95	100			0.5	46	99.5	7.7	7.7	7.0	7.2
3/11/2023	14.43	56			0.4	48	99.3				
3/12/2023	12.83	116			2.0	214	98.3				
3/13/2023	16.20	116			1.1	149	99.1	7.6	7.8	7.3	7.3
3/14/2023	15.82	92	32	12.6	0.8	106	99.1	7.7	7.8	7.3	7.3
3/15/2023	12.27	116			0.5	51	99.6	7.7	8.0	7.3	7.3
3/16/2023	12.30	124	37	4.8	0.4	41	99.7	7.7	7.8	7.2	7.2
3/17/2023	15.48	124			0.7	90	99.4	7.7	7.9	7.2	7.3
3/18/2023	13.03	80			0.6	65	99.3				
3/19/2023	12.07	112			0.4	40	99.6				
3/20/2023	11.42	124			0.3	29	99.8	7.6	7.7	7.2	7.2
3/21/2023	10.48	152			0.4	35	99.7	7.7	7.9	7.1	7.3
3/22/2023	10.40	172			0.8	69	99.5				
3/23/2023	13.98	188			1.1	128	99.4	7.7	7.7	7.0	7.3
3/24/2023	12.04	148			1.0	100	99.3	7.8	7.7	7.1	7.4
3/25/2023	18.56	116			5.2	805	95.5				
3/26/2023	19.23	64			4.1	657	93.6				
3/27/2023	17.73	84			2.3	340	97.3	7.7	7.8	7.2	7.4
3/28/2023	15.54	72	32	25.4	1.2	156	98.3	7.7	7.8	7.3	7.4
3/29/2023	13.17	88			0.8	88	99.1	7.7	7.8	7.2	7.4
3/30/2023	12.14	96	36	22.0	0.9	91	99.1	7.8	7.8	7.2	7.3
3/31/2023	13.17	112			0.3	33	99.7	7.7	7.7	7.2	7.4
Minimum	10.40	56	25	1.8	0.2	18	93.6	7.6	7.7	7.0	7.2
Maximum	19.98	188	45	25.4	5.2	805	99.8	7.8	8.0	7.3	7.4
Total	426.23	3,416	247	78.4	30.5	4,006	3,068.9	169.7	171.6	158.0	160.7
Average	13.75	110	35	11.2	1.0	129	99.0	7.7	7.8	7.2	7.3

# 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
3/1/2023	19.98	6.00	1.04	173.3	0.015	
3/2/2023	17.30	10.18	1.11	160.2		
3/3/2023	14.29					
3/4/2023	12.80					
3/5/2023	12.21	11.84	0.10	10.2		
3/6/2023	13.10	15.14	0.10	10.9		
3/7/2023	11.41	14.08	0.17	16.2		
3/8/2023	10.92	10.00	0.10	9.1		
3/9/2023	10.95	22.51	0.24	21.9		
3/10/2023	10.95					
3/11/2023	14.43					
3/12/2023	12.83	9.57	0.14	15.0	0.015	
3/13/2023	16.20	10.99	0.57	77.0	0.015	
3/14/2023	15.82	11.68	0.47	62.0	0.015	
3/15/2023	12.27	12.10	0.18	18.4		
3/16/2023	12.30	16.04	0.14	14.4		
3/17/2023	15.48				0.015	
3/18/2023	13.03					
3/19/2023	12.07	10.75	0.10	10.1		
3/20/2023	11.42	18.15	0.31	29.5		
3/21/2023	10.48					
3/22/2023	10.40	20.16	0.15	13.0		
3/23/2023	13.98	12.20	1.18	137.6	0.015	
3/24/2023	12.04				0.015	
3/25/2023	18.56				0.037	
3/26/2023	19.23	5.20	0.15	24.1	0.015	
3/27/2023	17.73	6.58	0.22	32.5	0.015	
3/28/2023	15.54	8.10	0.55	71.3	0.015	
3/29/2023	13.17	9.42	0.49	53.8	0.015	
3/30/2023	12.14	12.45	0.41	41.5	0.015	
3/31/2023	13.17				0.015	
Minimum	10.40	5.20	0.10	9.1	0.015	
Maximum	19.98	22.51	1.18	173.3	0.037	
Total	426.23	253.14	7.92	1,002.0	0.232	
Average	13.75	12.05	0.38	47.7	0.017	

## SLUDGE DATA

Primary Sludge	TS	2.90 %	1,096,384 Gallons
WAS to Thickener	TS	2.63 %	725,320 Gallons
TWAS to Digester 4	TS	5.94 %	283,723 Gallons
Hauled Grease to Digs	TS	9.80 %	185,061 Gallons

## Anaerobically Digested Sludge Pumping

to Drying Beds	TS	2.93 %	125,580 Gallons
to BFP	TS	2.82 %	708,349 Gallons
to Lagoons	TS	%	Gallons
Total			833,929 Gallons

VS Destruction 59.5 %

## Biosolids Disposal

Class A Distribution	Mar	51 Dry Tons
Class B Hauling	Mar	Dry Tons
Total	Mar	51 Dry Tons
Class A Distribution	YTD	51 Dry Tons
Class B Hauling	YTD	Dry Tons
Total	YTD	51 Dry Tons

## ENERGY DATA

Total Digester Gas Production	4,914,271 SCF
Gas Volume per Volatile Solids Load	9.8 Cu.Ft./Lb.

## Digester Gas Utilization

Heat Exchangers	1,096,893 SCF
Dehumidification	627,182 SCF
CHP	2,265,692 SCF
Total	3,989,767 SCF

Digester Gas Flared 924,504 SCF

## Natural Gas Consumed

WWTC	33,500 SCF
MSB	45,200 SCF
Chemical Feed	27,500 SCF
5006 Walnut	10,200 SCF

Kilowatt-hours Generated CHP	165,477 KWH
Net energy from Comed	232,697 KWH
Monthly net energy	266 MWH

## MISCELLANEOUS

Grit Removal	Mar	20 Cu. Yds
Grit Removal	YTD	60 Cu. Yds
Anaerobic Supernate		654,862 Gallons
Waste Activated Sludge		115,689 Gals/Day
City Water Consumed		103,598 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
3/1/2023	19.98											
3/2/2023	17.30											8.06
3/3/2023	14.29											
3/4/2023	12.80											
3/5/2023	12.21											
3/6/2023	13.10											
3/7/2023	11.41											
3/8/2023	10.92											
3/9/2023	10.95											19.06
3/10/2023	10.95											
3/11/2023	14.43											
3/12/2023	12.83											
3/13/2023	16.20						19.4	10.6	2,612.5	1,431.8	45.2	
3/14/2023	15.82											
3/15/2023	12.27											
3/16/2023	12.30	3.50	1.91	351.6	196.0	45.4						13.64
3/17/2023	15.48											
3/18/2023	13.03											
3/19/2023	12.07											
3/20/2023	11.42											
3/21/2023	10.48											
3/22/2023	10.40											
3/23/2023	13.98											
3/24/2023	12.04											
3/25/2023	18.56											
3/26/2023	19.23											
3/27/2023	17.73	2.11	1.19	299.2	176.0	43.6						
3/28/2023	15.54											
3/29/2023	13.17											
3/30/2023	12.14											10.83
3/31/2023	13.17											
Minimum	10.40	2.11	1.19	299.2	176.0	43.6	19.4	10.6	2,612.5	1,431.8	45.2	8.06
Maximum	19.98	3.50	1.91	351.6	196.0	45.4	19.4	10.6	2,612.5	1,431.8	45.2	19.06
Total	426.23	5.61	3.10	650.8	371.9	89.0	19.4	10.6	2,612.5	1,431.8	45.2	51.59
Average	13.75	2.81	1.55	325.4	186.0	44.5	19.4	10.6	2,612.5	1,431.8	45.2	12.90

DMR Copy of Record

Permit

Permit #:  
Major:

IL0028380  
Yes

Permittee:  
Permittee Address:

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

Facility:  
Facility Location:

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

Permitted Feature:

001  
External Outfall

Discharge:

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

Report Dates & Status

Monitoring Period:

From 03/01/23 to 03/31/23

DMR Due Date:

04/25/23

Status:

NetDMR Validated

Considerations for Form Completion

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

Principal Executive Officer

First Name:

Amy

Last Name:

Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type				
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units					
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	8.5		=	8.2		=	7.6	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								=	5.0		=	9.1	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			=	7.5	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								=	1.2		=	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								=	0.43		=	1.18	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								=	1.35		=	1.91	19 - mg/L	0	04/30 - Four 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								=	0.03				19 - mg/L	0	14/30 - 14 Per Month 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										=	9.0	13 - #/100mL	0	02/30 - Twice Per Month 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			=	429.88	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

31 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:	2023-04-06 13:56 (Time Zone: -05:00)
<i><b>Report Last Signed By</b></i>	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-04-06 15:58 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:002  
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

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

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

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 03/01/23 to 03/31/23

DMR Due Date:04/25/23

Status:NetDMR Validated

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:Amy

Last Name:Underwood

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type	
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample										=	7.7	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MN	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample								=	17.1		19.2	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.3				=	7.5	12 - SU	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.					>=	6.0 MINIMUM				<=	9.0 MAXIMUM	12 - SU		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample							=	7.8		=	12.0	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.							<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample										=	1.16	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample							=	1.14		=	1.32	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								Req Mon MO AVG			Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample							=	0.1				19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.							<=	0.75 MO AVG				19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample										=	9.0	13 - #/100mL	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.										<=	400.0 DAILY MX	13 - #/100mL		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	6.41	80 - Mgal/mo								0	DL/DS - Daily When Discharging	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Discharging	
					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:	2023-04-06 13:57 (Time Zone: -05:00)
<i>Report Last Signed By</i>	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-04-06 15:58 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:  
Major:

IL0028380  
Yes

Permittee:  
Permittee Address:

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

Facility:  
Facility Location:

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

Permitted Feature:

003  
External Outfall

Discharge:

003-0  
EXCESS FLOW TO ST JOSEPH CREEK

Report Dates & Status

Monitoring Period:

From 03/01/23 to 03/31/23

DMR Due Date:

04/25/23

Status:

NetDMR Validated

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:  
Last Name:

Amy  
Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

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

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry

Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-04-06 13:58 (Time Zone: -05:00)
<i>Report Last Signed By</i>	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2023-04-06 15:58 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:A01  
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

Discharge:A01-0  
EXCESS FLOW FROM EXCESS FLOW CLARIFIERS

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

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 03/01/23 to 03/31/23

DMR Due Date:04/25/23

Status:NetDMR Validated

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:Amy

Last Name:Underwood

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample										=	43.6	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample										=	12.0	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample										=	3.14	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	1.26	=	1.3	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	10.06	80 - Mgal/mo								0	DL/DS - Daily When Discharging	CN - CONTIN
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Discharging	CN - CONTIN
					Value NODI															

Submission Note

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

Edit Check Errors

No errors.

Comments

2 days of discharge. Event 1: 3/25/23 to 3/26/23, discharging for 17.1 hours. 0.91 inches of rain over 10 hours. B01 flow rate at A01 start time: 14,489 gpm Event 2: 3/26/23 to 3/27/23, discharging for 16 hours. 0.08 inches of rain over 3 hours. B01 flow rate at A01 start time: 14,680 gpm B01 flow rates at A01 start times were under design maximum flow (DMF) this month, due to settling issues experienced in the main treatment facility. This is due to seasonal changes, low influent BOD due to wet weather and cold influent temperatures driving the growth of m. Parvicella. In order to prevent solids carryover and out of the treatment facility, the main (or tertiary) treatment facility had to be operated below the DMF.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2023-04-06 14:18 (Time Zone: -05:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2023-04-06 15:58 (Time Zone: -05:00)

## DMR Copy of Record

[illegible]

00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample									=	1.55	=	1.91	19 - mg/L	0	02/30 - Twice Per 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									=	1.84	=	1.84	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											=	310.0	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																	
					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	=	13.75	=	19.98	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	0	CL/OC - Chlorination/Occurances	GR - GRAB	
					Permit Req.											<=	0.05 DAILY MX	19 - mg/L		CL/OC - Chlorination/Occurances	GR - GRAB	
					Value NODI																	
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	158.5	=	333.24	26 - lb/d				=	1.4	=	2.9	19 - mg/L	0	04/07 - Four Per Week	CP - COMPOS	
					Permit Req.	<=	1835.0 MO AVG	<=	3670.0 DAILY MX	26 - lb/d			<=	10.0 MO AVG	<=	20.0 DAILY MX	19 - mg/L	02/DA - 2 Days Every Week		CP - COMPOS		
					Value NODI																	

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry

Name: Dorrance Berry

E-Mail: rberry@dgsd.org

Date/Time: 2023-04-06 14:22 (Time Zone: -05:00)

Report Last Signed By

User: reeseberry

Name: Dorrance Berry

E-Mail: rberry@dgsd.org

Date/Time: 2023-04-06 15:58 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

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

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Permitted Feature:C01  
External Outfall

Discharge:C01-0  
EXCESS FLOW FROM INTERMEDIATE CLARIFIER #1

Report Dates & Status

Monitoring Period:From 03/01/23 to 03/31/23

DMR Due Date:04/25/23

Status:NetDMR Validated

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:Amy

Last Name:Underwood

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

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

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2023-04-06 14:23 (Time Zone: -05:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2023-04-06 15:58 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

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

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Permitted Feature:INF  
Influent Structure

Discharge:INF-L  
INFLUENT MONITORING

Report Dates & Status

Monitoring Period:From 03/01/23 to 03/31/23

DMR Due Date:04/25/23

Status:NetDMR Validated

Considerations for Form Completion

W0430300002

Principal Executive Officer

First Name:Amy

Last Name:Underwood

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample							=	138.0			19 - mg/L	0	09/99 - See Permit	CP - COMPOS	
					Permit Req.								Req Mon MO AVG			19 - mg/L				
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample							=	110.0			19 - mg/L	0	09/99 - See Permit	CP - COMPOS	
					Permit Req.								Req Mon MO AVG			19 - mg/L				
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample									=	19.4	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
					Permit Req.										Req Mon DAILY MX	19 - mg/L				
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample									=	3.5	19 - mg/L	0	02/30 - Twice Per Month	CP - COMPOS	
					Permit Req.										Req Mon DAILY MX	19 - mg/L				
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	13.72	=	19.99	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:2023-04-06 14:24 (Time Zone: -05:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2023-04-06 15:58 (Time Zone: -05:00)

# DOWNERS GROVE SANITARY DISTRICT

## M E M O

TO: Amy Underwood, General Manager

FROM: Jeff Barta, Maintenance Supervisor  
& Nick Whitefleet, Lead Mechanic

DATE: April 12th, 2023

SUBJECT: March 2023 Maintenance Report

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

Special projects in March included:

### **WWTC SCADA – Phase 2 PLC Upgrades**

As mentioned in the February maintenance report, this year's budgeted upgrade project includes the replacement of the PLCs and the remote I/O components at 6 locations. Two (2) locations in the Digester 4&5 control building, CHP 2/System garage, the Digester 3 control building, the Digester 1&2 control building and the rain gauge PLC control panel at the Downers Grove Village Hall.

In March, District electrical staff completed the installation of the new Scada control panel in the Digester 3 control building.

Our District Electrical Technicians, Marco Rendon and Rolf Flechsig, removed the existing remote I/O PLCs, installed the new CompactLogix PLCs, terminated all the power and I/O (input & output) wiring, and assisted Concentric Integration with the field testing on all the I/O points to verify everything was operational.

The remaining work, which includes the two (2) panel upgrades in the Digester 4&5 control building and the upgrade at the Downers Grove Village Hall PLC, is expected to be completed in the next few weeks.

Concentric Integration provided a not to exceed proposal in the amount of \$82,850 to complete this work.

### **Annual Generator Preventive Maintenance**

Altorfer Power Systems has completed the annual level 2 preventive maintenance services on the three (3) WWTC generators, the three (3) Portable generators, and the nine (9) Lift station generators. The preventive maintenance service includes a 53-point inspection, oil & filter change, fuel filter replacement, and oil & coolant sample testing.

In addition to the annual level 2 P/M's, the automatic transfer switch maintenance and load bank testing was performed this year at the Liberty Park, College and Northwest lift station locations.

There were no batteries that required replacement this year.

The total cost for this year's generator P/M's and load bank testing was \$23,061.00.

## **Laboratory – Remodeling & Moisture Damage Repairs**

The four (4) rooms on the west side of the laboratory have each had drywall moisture issues/damage due to condensation buildup. This was due to the way it was originally constructed. Basically, there wasn't an appropriate air gap and/or vapor barrier between the exterior block and the interior framed wall causing a condensation issue and damaging the wall.

Over the past several years, we have remodeled three (3) of the four (4) rooms. This required removing the entire west interior wall, re-framing a new interior wall that was repositioned slightly inward to allow an air gap between the exterior brick and the framed interior wall. The traditional type of insulation was replaced with a foil faced polyisocyanurate insulation that also provides a vapor barrier. By repositioning the wall with an appropriate air gap and using the polyisocyanurate insulation, we should eliminate any moisture/condensation issues between the exterior and interior walls.

The existing cabinetry, plumbing, electric, flooring and the entire west interior wall framing was all removed. A new (repositioned) steel stud wall was framed, new conduits, wiring and data ports were installed. The wall was insulated with the new foil backed polyisocyanurate insulation and new drywall. All this work was completed in-house by District maintenance & electrical staff.

After the drywall was installed by District staff, YAD Construction (the contractor that will be performing the remodeling work at the Administration Center) was hired to finish the new drywall and repair the other three (3) walls within the room where the existing wallpaper was removed. In addition to the room that was being remodeled, YAD construction also repaired the ceiling in the hallway corridor that connects the four (4) rooms on the west side of the laboratory. The total cost for the drywall finishing work by YAD Construction was \$1,792.50.

After the drywall finishing was completed by YAD Construction, District staff primed and painted the room, trimmed out and installed all the new electrical outlets, switches and data ports, and installed new VCT floor tile.

When complete, this newly remodeled room will be used as a multi-purpose space for an office area for Jessie Gwozdz, our District Safety coordinator, a lab employee break room, and laboratory supply storage. We are currently in the process of procuring office furniture, storage shelving, and appliances for the room. An updated project report will be included in next month's maintenance report that will include the total cost for this budgeted remodeling project.

## **Hobson Lift Station – Pumps 1&2 Intake Valves Replacement**

The 14" intake valves on pumps 1&2 at the Hobson lift station were stuck in the open position and needed to be replaced. District staff assisted Dahme Mechanical with plugging the incoming 30" line and pumping down the wet well. Dahme Mechanical used a crane with a man basket to lower one of their pipefitters down into the wet well to install pneumatic plugs on the intake piping between the wet well and pumps 1&2.

Once the 14" intake pipes were plugged, the 30" plug was removed from the incoming line and the station was put back in operation by District staff. After the station was back online, Dahme Mechanical started the valve replacement project. Replacing these large 14" valves was a two (2) day project for Dahme Mechanical and District staff. Once the new valves were installed, the temporary pneumatic plugs were removed from the pump intake lines and the pumps were put back in operation.

The total cost for this valve replacement project was \$30,992.12. The cost breakdown as follows:

Dahme Mechanical \$11,215.00, Core & Main \$18,876.00, Motion Industries \$538.36, and \$362.76 in miscellaneous items from McMaster Carr, Home Depot & Grainger.

### **CHP System – Units 1&2 Back in Operation**

The CHP units 1&2 are back in operation after the recent repairs and adjustments by Nissen. Currently, CHP 1 is running at a reduced load (250KW) while we monitor two of the cylinders that are slightly out of specification. CHP 2 is running at full load (375KW) and is performing as expected.

The laboratory analysis performed on the conditioned gas as well as the build-up found on engine internals didn't yield a specific cause of our engine troubles. The District is still working closely with Nissen and Unison Solutions to determine the root cause of our recent failures. We have decided to perform additional gas testing which was recommended by Nissen & Unison to look for other components in our gas that could be detrimental to our engine's performance. We hope to have the additional gas testing completed by late April or early May by an independent lab. With the additional gas analysis as well as more information from run time on the engines, we are optimistic we should have a better plan for getting CHP 1 back to full load soon.

We haven't received the invoicing related for the recent repairs from Nissen. A follow-up report and cost information should be available in next month's report.

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

# Work Order Summary

Work Order Completion Dates from 3/2/2023 to 3/31/2023

Work Assignment	Completion Date	Equipment	NOTATIONS
Clean burner head & Replace gas pressure regulator	02-Mar-23	Digester 2 Heat Exchanger	Disassembled gas train, removed burner head clean out ports, clean gas mixing valve, replace gas pressure regulator, adjust air/fuel mixture & put back on line.
Order spare Warrick level controller head unit & rods for stock.		Filter 1	Ordered 1 controller head & 5 spare rods from Kodiak Controls.
		Filter 2	
		Filter 3	
		Filter 4	
		filter 5	
		filter 6	
Annual PM service provided by Altorfer Caterpillar.	06-Mar-23	Emergency Generator 1	Advantage Gold Service performed. No oil change at service.
		Emergency Generator 3	
500 Hour Oil Change on Pearth 4	07-Mar-23	Digester 4 Mixing System	
Annual PM service provided by Altorfer Caterpillar.		Emergency Generator 2	Advantage Gold Service performed. No oil change at service.
Replace the Pelton wheel assembly on the 003 hypochlorite feed flow mete		Excess Flow Pump Station	Replace the Pelton wheel assembly on the 003 hypochlorite feed flow meter.
Annual PM service provided by Altorfer Caterpillar.		Portable Generator 150	Advantage Gold Service performed.
Vertical coolant hose leak.	08-Mar-23	CHP Engine Genset #1	Replaced braided hose with new.
Perform analysis on gas to determine H2S & Siloxane levels.		CHP Gas Cleaning System	Performed H2S testing of finished gas. Took samples of raw and finished gas for siloxane testing. Took sample of solid material build up off cylinder heads to analyze.
Annual PM service provided by Altorfer Caterpillar.		Hobson Stationary Generator	Advantage Gold Service performed.
Shop Mig welder not working.		Maintenance Services Building	Welder dropped off at Terrace Supply for diagnosis and repair.
Annual PM service provided by Altorfer Caterpillar	09-Mar-23	Centex Stationary Generator	Advantage Gold Service performed.
Annual PM service provided by Altorfer Caterpillar.		Venard Stationary Generator	
	10-Mar-23	College Stationary Generator	Advantage Gold Service performed, Load test and ATS PM.
Intake valve stuck, requires replacement.		Hobson Pump 1	Procured new valve from Core & Main. Assist Dahme with installation.
		Hobson Pump 2	Procured new valve from Core & Main. Assisted Dahme with installation. Replaced reducer with new, machined reducer to accommodate lay length of new valve.
Install new UPS in server cage at Administration Center.		IT System	Shut down server rack, remove old UPS and install the new UPS.
REPLACE OIL ABSORBENT PADS IN GREASE CABINET	13-Mar-23	Administration Center	
MONTHLY EXERCISE OF ALL HEAT EXCHANGERS- GAS MODE		Digester 1 Heat Exchanger	
		Digester 2 Heat Exchanger	

Work Assignment	Completion Date	Equipment	NOTATIONS
Monthly Liquid Status of Under Ground Diesel Tank		Digester 3 Heat Exchanger Digester 4 Heat Exchanger Digester 5 Heat Exchanger Emerg Gen Diesel Storage Tank	
Exercise both 24" primary influent ratio valves		Tunnel From PS to Grit	
Annual PM service provided by Altorfer Caterpillar.		Tunnel/Chan Primary Clarifiers Wroble Stationary Generator	Advantage Gold Service performed.
Pump fail, requires overhaul.	14-Mar-23	Grease Pump - West	Removed pump from service. Dropped off at Liberty Process for overhaul as we needed additional parts for overhaul. New pump ordered for stock in lieu of replacement parts.
Monthly Cross Collector Check		Primary Clarifier 3 Primary Clarifier 4 Primary Clarifier 5 Primary Clarifier 6 Primary Clarifier 7 Primary Clarifier 8 Primary Clarifier 9	
6 Month Oil Change Raw Sludge Pumps 2, 3, 5		Primary Sludge Pump 2 Primary Sludge Pump 3 Primary Sludge Pump 5	
3 Months Inspection on Electric Carts and on all front end loaders	15-Mar-23	2015 Wheel Loader #332 2016 Club Car Carryall 300 2019 Yamaha UMAX 2 AC (#3) 2022 Club Car Carryall 500 2022 Deere 244L Wheel Loader	
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1 Emergency Generator 2 Emergency Generator 3	
EXERCISING OF EXCESS RAW SEWAGE VALVING		Excess Flow Pump 06 Excess Flow Pump 07 Excess Flow Pump 08 Excess Flow Pump 09	
Exercising of Raw and Excess Influent valves		Excess Flow Pump Station	
Annual PM service provided by Altorfer Caterpillar		Northwest Stationary Generator	Advantage Gold Service performed, Load test and ATS PM.
Exercising of Raw and Excess		Raw Sewage Pump	

Work Assignment	Completion Date	Equipment	NOTATIONS
Influent valves		Station	
Passenger side interior handle broken on "A-pillar".	16-Mar-23	2014 Ford F-250 Plow Truck	Removed and replaced passenger side A-pillar grab handle with new.
Exercise Of EBARA and Excess Pumps		Excess Flow Pump 06	
		Excess Flow Pump 07	
		Excess Flow Pump 08	
		Excess Flow Pump 09	
		Excess Flow Pump 10	
		Excess Flow Pump 11	
		Excess Flow Pump 12	
Alternator overcharging battery.		Portable Generator 150	Replace alternator and fan belt with new.
Annual PM service provided by Altorfer Caterpillar.	17-Mar-23	Butterfield Stationary Generat	
12 Month/10,000 Mile Synthetic Oil Change (2014 F-150)#302 (Electrical )	20-Mar-23	2014 Ford F-150 4x2 Shortbed	Replace engine oil & filter, full synthetic oil. Inspect vehicle and rotate tires. Check air and cabin filters, replace as necessary. 35,303 miles.
Annual PM service provided by Altorfer Caterpillar		Portable Generator 200	Advantage Gold Service performed.
Annual PM service provided by Altorfer Caterpillar.		Portable Generator 350	Advantage Gold Service performed. Recommend turbo charger replacement.
	21-Mar-23	Earlston Stationary Generator	Advantage Gold Service performed.
Pump motor fail on overload trip.		Raw Sewage Pump 2	Checked pump and motor for cause of failure. Determined motor required overhaul. Reinstalled motor & tested - OK.
Test for H2S at Unison Gas skid	22-Mar-23	CHP Gas Cleaning System	
Run And Inspect Generators With The Load Of The Plant		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Annual PM service provided by Altorfer Caterpillar.		Liberty Park Stationary Genera	Advantage Gold Service performed, Load test and ATS PM.
Pump out old grease line valve vault		Yard Piping - Liquid Treatment	
Replace all 4 tires due to wear.	23-Mar-23	2016 Toyota Forklift	Replaced all 4 tires with new.
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	
500 Hour Oil Change on Pearth 4		Digester 4 Mixing System	
Monthly Fire Extinguishers Inspection		Emergency Generator Building	

Work Assignment	Completion Date	Equipment	NOTATIONS
		Excess Flow Pump Station	
		Excess Flow Sludge Pump House	
		Filter Building	
		Grit Building	
		Hypochlorite Feed Bldg	
		Interm Clarifier Sludge Bldg	
		Laboratory	
		Maintenance Services Building	
		Microstrainer Building	
		Operations Center	
		Raw Sewage Pump Station	
Replace the wind speed & direction sensor that failed.		SCADA	Replace the wind speed & direction sensor on the Operations center roof.
Monthly Fire Extinguishers Inspection		System Garage	
CLEAN TWAS POLYMER EFFLUENT STRAINER		WAS Thickener Polymer System	
Bring #326 for emissions test	27-Mar-23	2011 Ford F-250	Emissions testing of vehicle 326.
Lubricate skid steer and attachment mechanism	28-Mar-23	2019 Skid Steer	
Turn on/off heat trace for various equipment		Aeration Tank 05	
		Aeration Tank 06	
		Aeration Tank 07	
Replace Discharge Force Main Air Relief Valves (2)		Centex Discharge Force Main	Replace all 2 combination air relief valves on the force main with reconditioned units.
Turn on/off heat trace for various equipment		CHP Gas Cleaning System	
2 MONTH EXERCISE OF W.A.S. MOYNO PUMPS 1 AND 3		Conc Tank Moyno Sludge Pump 1	
		Conc Tank Moyno Sludge Pump 3	
Operate Relief Valves On Heat Exchangers And Boilers		Digester 1 Heat Exchanger	
		Digester 2 Heat Exchanger	
		Digester 3 Heat Exchanger	
		Digester 4 Heat Exchanger	
		Digester 5 Heat Exchanger	
EXCESS 003- Exercise 30" and 24" DEZURIK Valves		Excess Flow 003 Valves	
Operate Relief Valves On Heat Exchangers And Boilers		Excess Flow Pump Station	
4 MONTH GREASING FITTINGS ON GRIT		Grit Conveyor System	

Work Assignment	Completion Date	Equipment	NOTATIONS
<b>CONVEYORS</b>			
Replace Discharge Force Main Air Relief Valves (2)		Hobson Discharge Force Main	Replace all 2 combination air relief valves on the force main with reconditioned units.
Exercise Ratio Valve #2		Tunnel - System 2 RAS	
Replace Discharge Force Main Air Relief Valves (2)		Wroble Discharge Force Main	Replace all 2 combination air relief valves on the force main with reconditioned units.
Perform 700 hour oil change and oil filter replacement.	29-Mar-23	CHP Engine Genset #1	Took oil sample (IND-66448) and sent out for analysis. Changed oil and (2) oil filters. Engine Hours (15,836)
Check, Remove,Clean. Grease-debris from wells		Excess Flow Pump Station	
		Raw Sewage Pump Station	
Remove/Install Insulating Jackets on Digester Gas Equipment	30-Mar-23	Digester 5 Cover	
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Replace odor control fan assy. with new.		WAS Volute Thickener	Replaced odor control fan motor with new.
Six Month Oil Change Secondaries 6 - 7 - 8 - 9	31-Mar-23	Secondary Clarifier 6	
		Secondary Clarifier 7	
		Secondary Clarifier 8	
		Secondary Clarifier 9	

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

DATE: April 11, 2023

TO: Amy Underwood  
General Manager

FROM: Robert Swirsky  
Sewer System Maintenance Supervisor

RE: Monthly Report – March 2023

1.	JULIE Line Markings:	Current	Year to Date
	Received	933	1998
	In District	874	1866
	Marked	262	687
	Man Hours	100	248
2.	Building Service:	Current	Year to Date
a.	BSSRAP TV Inspections	16	65
b.	Emergency BSSRAP Repairs	11	40
c.	Total BSSRAP Repairs	17	48
d.	I&I inspections	00	01
e.	I&I C.O. installation	00	01
f.	Replace broken cleanout caps	00	00
g.	OHSP TV Inspections	00	00
h.	Post Rodding TV	08	12
3.	Sewer backups:	Current	Year to Date
a.	Public sewer	00	02
b.	Private sewer	27	72
c.	Surcharged main	00	00
d.	Pump station	00	00
	Total	27	74
		Current	Year to Date
4.	Sewer Cleaning (DGSD personnel):	40,114	77,333 Ft.
	a. Sewer Cleaning (outside contractors):	0	0 Ft.
5.	Main Sewer Televising (DGSD personnel):	460	1327 Ft.
	a. Sewer Televising (outside contractors):	0	0 Ft.
6.	LETS TV	0	0
7.	Manhole inspections	00	32

8. Sewer and manhole repairs and replacements by Uno Construction:  
None
9. Miscellaneous: (sewer system personnel)
  - a. Upload Flow-Meters.

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

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

DATE: April 10, 2023

TO: Amy R. Underwood  
General Manager

FROM: Keith Shaffner  
Sewer Construction Supervisor

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

- | 1. | Permits issued: | Current  | Year to Date |
|----|-----------------|----------|--------------|
| a. | Single family   | 4        | 9            |
| b. | Multiple family | 0        | 0            |
| c. | Commercial      | 1        | 2            |
| d. | Repair          | 2        | 3            |
| e. | Disconnection   | <u>1</u> | <u>6</u>     |
|    | Total           | 8        | 20           |
- 
- | 2. | Inspections made:      | Current  | Year to Date |
|----|------------------------|----------|--------------|
| a. | Connections            | 11       | 24           |
| b. | Finals                 | 3        | 11           |
| c. | Repairs                | 2        | 3            |
| d. | Disconnects            | 2        | 9            |
| e. | Groundwork             | 0        | 0            |
| f. | Walk-Thru              | 0        | 0            |
| g. | Pre-connections        | 0        | 0            |
| h. | Overhead Sewer Program | 0        | 0            |
| i. | Code Enforcement       | 0        | 1            |
| j. | Lateral testing        | <u>2</u> | <u>7</u>     |
|    | Total                  | 20       | 55           |
- 
3. New Sewer Extension Construction:
- None
- 
4. New Sewer Extension Testing - air, deflection, manhole, and televising:
- None
- 
5. Code Enforcement:
- None

6. Plan & Permit Reviews:

- a. 621 Ogden – Commercial Review
- b. 6102 S. Cass – Commercial Review
- c. 4916 Cornell – Single Family Home Review
- d. 1634 63rd – Single Family Septic Conversion Review

7. Building Sanitary Service Access Agreements:

- a. 512 Wilson – Downers Grove
- b. 4722 Highland – Downers Grove
- c. 4916 Cornell – Downers Grove

8. Illinois EPA Permits:

None

9. Waste Hauling Permits Issued:

None

10. Miscellaneous:

Code Enforcement will be completing a flagger work zone safety course soon. The Inspectors and I will be attending the course to continue expanding our knowledge of worksite safety.

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

# Permits Issued: MARCH 2023

YEAR	PERMIT #	ADDRESS	STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2023	12	5408	BENTON	DG	3/1/2023	SF-RB		\$241.00
2023	16	512	WILSON	DG	3/17/2023	SF-RB		\$241.00
2023	15	349 W	NAPERVILLE	W	3/13/2023	REPAIR		
2023	18	4916	CORNELL	DG	3/23/2023	DISCON		
2023	14	2424	OGDEN	DG	3/27/2023	COM		\$400.00
2023	9	4722	HIGHLAND	DG	3/27/2023	SF	\$3,563.00	\$241.00
2023	17	6533	BRIARGATE	DG	3/27/2023	REPAIR		
2023	22	4619	CORNELL	DG	3/29/2023	SF-RB		\$241.00
TOTAL:							\$3,563.00	\$1,364.00

# Permit Final Inspections: MARCH 2023

YEAR	PERMIT #	ADDRESS	STREET	CITY	FINAL
2021	91	5231	BROOKBANK	DG	3/1/2023
2022	96	4837	DRENDEL	DG	3/6/2023
2022	88	4808	MONTGOMERY	DG	3/22/2023

## Progress Report

To: Amy Underwood, General Manager  
From: Reese Berry, Laboratory Supervisor  
Date: April 6, 2023  
Re: March 2023 Laboratory Report

DGSD had 2 excess flow sampling events during March 2023. These events resulted in 2 sampling days in the month of March. We had no permit excursions in March.

### **Pretreatment:**

We completed the required Annual Pretreatment Report. We submitted the report to USEPA and IEPA by the April 1<sup>st</sup> deadline. There were no compliance related issues to document and all data was well below thresholds set by our NPDES permit.

### **Laboratory Room Remodel:**

The storage room is nearing completion. During the month of March the outside wall was rebuilt to include a vapor barrier, all walls were resurfaced or new drywall installed and the contractors completed the mud/taping portion of the project. We will be painting and adding flooring during the month of April before moving into the space. This room will act as laboratory storage, have some basic breakroom related items (fridge and microwave) and a have work area for Jessie.

### **Biosolids:**

We sampled for our Class A Biosolids in the month of March. All tests completed up to this point are well below limits set by USEPA.

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

To: Board of Trustees  
From: Amy Underwood  
Re: Engineering Report for the Month March, 2023  
Date: April 14, 2023

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

### **A. Flow Monitoring**

Collection of Cycle M data is ongoing. The District continues to collect data from the flow meters currently installed in downtown Downers Grove to capture flows in order to inform decisions on near-term I/I removal which is needed in anticipation of a new development being constructed downtown.

### **B. Biosolids Processing Improvements**

The pilot of the Huber dewatering press, which was scheduled for the week of March 20, has been delayed due to the manufacturer's concerns about the potential for freezing. Huber has rescheduled the pilot for the end of July.

The heat exchanger capacity for Digester 4 is under review. Since accepting hauled grease waste in Digester 4, staff have had to use the heat exchanger for Digester 5 in the winter to provide heat for Digester 4 as the Digester 4 heat exchanger was not sufficient to maintain the digester's temperature.

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

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

## **II. Design Projects**

### **A. Curtiss Street Sewer Lining**

USEPA is reviewing our application for Community Grant Funding.

### **B. Venard Forcemain Replacement**

A kickoff meeting for the design of the Venard forcemain replacement was held on March 8.

### **C. Carpenter Sewer Lining**

A kickoff meeting for the design of the sewer lining project on Carpenter was held on March 8.

#### **D. Digester 4 Cleaning**

Bids were opened for the Digester 4 Cleaning project on April 11. Staff will request the Board to award the contract to Stewart Spreading at the April Board meeting.

#### **E. Underground Diesel Storage Tank Replacement**

Baxter & Woodman is working on bid documents to replace this tank.

### **III. Construction Projects**

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

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

The new wet well and valve vault have been installed. Berger is working on installing piping and equipment.

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

Payment Application No. 1 is included in the April Claim Ordinance. This payment is for rebuilding the access road and removing roots from the pipe, which were completed in the summer and fall last year.

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		<hr/> \$805,092.00

D	Total Completed and Stored to Date	D		\$210,210.28
E	Retainage	E	-	\$21,021.03
F	Total Earned Less Retainage	D-E= F		<hr/> \$189,189.25

G	Less Previous Certificates for Payment	Previous Payments	-	\$0.00
H	<b>Current Payment Due</b>	<b>F-G= H</b>		<hr/> <b>\$189,189.25</b>

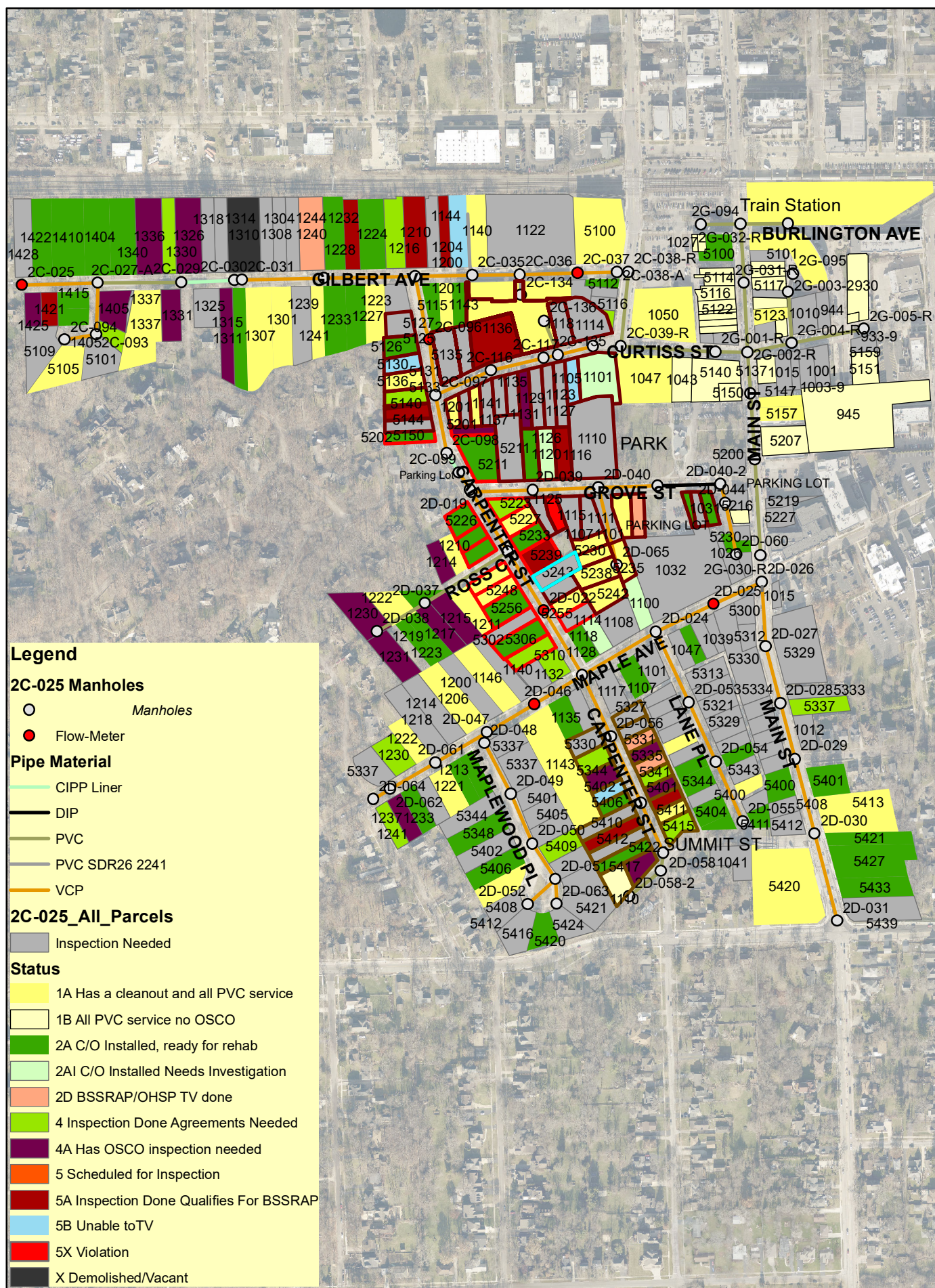
In March, Archon Construction completed exploratory excavations, and the length of pipe to order was confirmed. The current lead time for the pipe is sixteen weeks.

### **C. Administration Building Improvements**

Construction is expected to start soon in the Admin Center. YAD Construction is waiting for one item to be delivered. Everything else is ready to be installed.

YAD completed change order work in the Laboratory.

C: BOT, BOLI, CS, MGP



## STATUS OF PARCELS 2C-025 I&I INVESTIGATION

Category	Inspections Scheduled	Inspections Completed	Application Received	Agreements Signed	Cleanout Installed	Service Rehab Done	Totals	Total as Percentage
1A	Y	Y	N	Y	Y	N/A	47	15%
1B	Y	Y	N	N	N	N/A	27	9%
2A	Y	Y	Y	Y	Y	N	54	17%
2AI	Y	Y	Y	Y	Y	N	4	1%
2B	Y	Y	Y	Y	Y	N	0	0%
2D	Y	Y	Y	N	N	N	4	1%
4	Y	Y	N	N	N	N	15	5%
4A	N	N	N	N	N/A	N	18	6%
5	Y	N	N	N	N	N	0	0%
5A	Y	Y	N	N	N	N	10	3%
5AX	Y	Y	N	N	N	N	0	0%
5B	Y	N	N	N	N	N	4	1%
5BX	Y	N	N	N	N	N	1	0%
0	N	N	N	N	N	N	123	40%
X	-	-	-	-	-	-	1	0%
5X	-	-	-	-	-	-	1	0%
							<u>309</u>	<u>100%</u>

### Category Description:

24% Complete

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

2022 Basin I&I Ranking = 9

**DOWNERS GROVE SANITARY DISTRICT CASH BALANCES AND INVESTMENT SCHEDULE****DATE 3/31/2023****CASH BALANCES**

			PREVIOUS MONTH		
ACCOUNT NAME		ACCOUNT NUMBER	BALANCE PER BANK STATEMENT	TOTAL BALANCE PER BANK STATEMENTS	MONTHLY EARNINGS CREDIT EARNINGS CREDIT PERCENTAGE
DEPOSIT		XXXXXXXXXX1116	\$1,936,089.57		
DISBURSEMENT		XXXXXXXXXX1111	243,631.09		
FLEXIBLE BENEFITS		XXXXXXXXXX6025	4,513.94		
PAYROLL		XXXXXXXXXX1117	162,473.94		
PETTY CASH		XXXXXXXXXX1112	6,355.00		
USER REFUNDS		XXXXXXXXXX1114	5,221.18		
<b>TOTAL - CASH AT BANK</b>			\$2,358,284.72	\$2,111,439.35	\$2,124.86 0.1006%

**INVESTMENTS**

TYPE	FINANCIAL INSTITUTION	TERM	MATURITY	AMOUNT	ANNUAL INT. RATE	GENERAL CORPORATE FUND (01)	IMPROVEMENT FUND (02)	CONSTRUCTION FUND (03)	PUBLIC BENEFIT FUND (05)	SEWER EXTENSION FUND (71)	INTEREST EARNED AT MATURITY
CD	TRISTATE CAPITAL BANK	ONGOING	8/9/2023	\$250,000.00	3.290%			\$250,000.00			\$8,225.00
CD	EVERGREEN BANK GROUP**	ONGOING	2/24/2024	\$250,000.00	4.700%	\$250,000.00					\$11,750.00
TOTAL CDs				\$500,000.00	3.995%	\$250,000.00	\$0.00	\$250,000.00	\$0.00	\$0.00	\$19,975.00

TYPE	FINANCIAL INSTITUTION	TERM	LAST ACTION DATE	AMOUNT*	CURRENT RATE OF RETURN						ESTIMATED ANNUAL RETURN
MM	AXOS BANK	ONGOING	10/30/2020	\$250,259.65	0.200%	\$250,259.65					\$500.52
MM	BANKFINANCIAL	ONGOING	3/13/2013	\$251,756.23	1.500%	\$251,756.23					\$3,776.34
MM	FIRST CITIZENS BANK	ONGOING	11/9/2016	\$250,443.21	0.550%	\$250,443.21					\$1,377.44
MM	LIMESTONE BANK	ONGOING	1/25/2021	\$252,977.90	2.030%	\$252,977.90					\$5,135.45
MM	LISLE SAVINGS BANK	ONGOING	11/10/2020	\$250,009.92	1.250%	\$250,009.92					\$3,125.12
MM	LUANA SAVINGS BANK	ONGOING	10/29/2020	\$253,926.66	2.990%	\$253,926.66					\$7,592.41
MM	PEOPLES BANK	ONGOING	12/4/2012	\$372.78	0.000%	\$372.78					\$0.00
MM	STEARNS BANK	ONGOING	9/1/2015	\$250,000.00	1.650%	\$250,000.00					\$4,125.00
MM	TRISTATE CAPITAL BANK	ONGOING	4/16/2021	\$11.91	2.000%			\$11.91			\$0.24
MM	OLD SECOND NATIONAL BANK	ONGOING	11/20/2012	\$5,145.73	0.100%			\$5,145.73			\$5.15
TOTAL MM ACCOUNTS				\$1,764,903.99	1.453%	\$1,759,746.35	\$0.00	\$5,157.64	\$0.00	\$0.00	\$25,637.67
ILLINOIS FUNDS - MONEY MARKET				\$6,231,294.13	4.696%	\$4,283,486.53	\$879,258.73	\$1,068,548.87	\$0.00	\$0.00	\$292,621.57
<b>TOTAL - ALL INVESTMENTS</b>				\$8,496,198.12	3.981%	\$6,293,232.88	\$879,258.73	\$1,323,706.51	\$0.00	\$0.00	\$338,234.24

**TOTAL CASH AND INVESTMENTS** \$10,854,482.84

\*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.

\*\* THE EVERGREEN BANK CD WAS OPENED VIA A TRANSFER OF FUNDS FROM THE MM AT EVERGREEN. THE MM EARNED \$107.24 OF INTEREST FROM 3/1/23 THRU 3/24/23 WHICH WAS REMITTED ON 04/05/23 AND WILL BE RECOGNIZED AS INTEREST INCOME IN APRIL. THE MM AT EVERGREEN IS NOW CLOSED.

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



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

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

**Legal Counsel**  
Michael G. Philipp

*Providing a Better Environment for South Central DuPage County*

## MEMORANDUM

To: Board of Trustees  
From: Amy R. Underwood, General Manager  
Date: April 14, 2023  
Subject: Treasurer's Report for March 2023

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

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

Year-to-date	Income	Expenses
General Fund	\$ 9,764,240.41 (page 1)	\$ 7,634,430.38 (page 6)
Improvement Fund	\$ 638,235.96 (page 7)	\$ 261,764.32 (page 7)
Construction Fund	\$ 187,369.74 (page 8)	\$ 14,403.64 (page 9)
Public Benefit Fund	\$ 0.00 (page 10)	\$ 0.00 (page 10)
TOTAL	\$ 10,589,846.11	\$ 7,910,598.34

C: BOLI, MGP, CS

=====

Fund number & Description	Ending Fund Balance
-----	
Fund 01 : GENERAL FUND	\$7,538,572.13
Fund 02 : IMPROVEMENT FUND	\$1,676,499.12
Fund 03 : CONSTRUCTION FUND	\$1,769,928.93
Fund 05 : PUBLIC BENEFIT FUND	\$37,817.83
Recap Totals	<hr/> \$11,022,818.01

TREASURER'S REPORT

DATE 04/11/23 MONTH ENDED 03/31/23 PAGE 1  
FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
DEPT 05	REVENUES								
3000	PROPERTY TAXES		.00	0	1,363,345.44-	1,339,900-	23,445.44-	1.8	1,339,900-
3001	USER RECEIPTS		321,442.15-	340,055-	3,475,761.60-	3,428,620-	47,141.60-	1.4	3,692,500-
3002	SURCHARGES		34,666.60-	28,733-	371,234.62-	289,703-	81,531.62-	28.1	312,000-
3004	PLAN REVIEW FEES		.00	0	243.83-	500-	256.17	51.2-	500-
3005	CONSTRUCTION INSPECTION FEES		.00	0	315.56-	500-	184.44	36.9-	500-
3006	PERMIT INSPECTION FEES		1,364.00-	1,600-	14,445.00-	18,400-	3,955.00	21.5-	20,000-
3007	INTEREST ON INVESTMENTS		22,245.33-	500-	102,258.90-	6,500-	95,758.90-	1,473.2	7,000-
3013	SAMPLING AND MONITORING		11,765.65-	8,750-	109,880.53-	96,250-	13,630.53-	14.2	105,000-
3014	REPLACEMENT TAXES		20,859.71-	6,000-	248,673.99-	67,200-	181,473.99-	270.1	85,000-
3015	MISCELLANEOUS INCOME		115.00-	833-	9,343.28-	9,163-	180.28-	2.0	10,000-
3016	SALE OF ELECTRICITY		.00	0	13,233.81-	0	13,233.81-	.0	0
3020	SALE OF PROPERTY		.00	0	11,817.80-	0	11,817.80-	.0	0
3021	TELEVISION INSPECTION		.00	0	.00	150-	150.00	100.0-	150-
3023	PROPERTY LEASE PAYMENTS		3,237.23-	2,967-	34,505.68-	32,637-	1,868.68-	5.7	35,600-
3024	MONTHLY SERVICE FEES		422,836.34-	417,699-	4,187,785.90-	4,211,468-	23,682.10	.6-	4,535,600-
3027	GREASE WASTE		14,835.00-	17,500-	195,347.85-	192,500-	2,847.85-	1.5	210,000-
3035	INTERFUND TRANSFER		250,000.00	250,000	500,000.00	500,000	.00	.0	500,000
3040	RENEWABLE ENERGY CREDITS		.00	0	62,619.22-	2,250-	60,369.22-	2,683.1	3,000-
3094	GRANTS AND INCENTIVES		.00	0	63,427.40-	1,150,000-	1,086,572.60	94.5-	1,150,000-
=====									
DEPT 05 TOTALS			603,367.01-	574,637-	9,764,240.41-	10,345,741-	581,500.59	5.6-	11,006,750-
=====									
FUND REVENUE TOTAL			603,367.01-	574,637-	9,764,240.41-	10,345,741-	581,500.59	5.6-	11,006,750-
=====									
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		20,494.20	20,025	216,050.04	238,418	22,367.96-	9.4-	256,600
A004	FINANCIAL RECORDS		17,345.74	17,532	191,255.64	202,100	10,844.36-	5.4-	211,350
A005	ADMINISTRATIVE RECORDS		2,186.82	2,245	22,980.43	25,963	2,982.57-	11.5-	27,250
A006	ENGINEERING		7,274.41	428	16,517.94	4,922	11,595.94	235.6	5,150
A007	CODE ENFORCEMENT		29,794.28	29,214	340,910.91	344,225	3,314.09-	1.0-	367,100
A008	SAFETY ACTIVITIES		2,821.96	3,986	33,091.94	45,922	12,830.06-	27.9-	48,000
A030	BUILDING AND GROUNDS		1,453.38	102	6,584.59	1,241	5,343.59	430.6	1,350
A085	INCENTIVE		.00	0	200.00	0	200.00	.0	0
A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE		.00	433	75.00	4,980	4,905.00-	98.5-	5,200
=====									
SECT A TOTALS			81,370.79	73,965	845,666.49	886,671	41,004.51-	4.6-	940,900
=====									
SECT B	OPERATIONS AND MAINTENANCE								
B100	ELECTRICITY		209.22	700	3,793.04	9,300	5,506.96-	59.2-	10,000
B101	NATURAL GAS		373.92	350	2,007.17	2,800	792.83-	28.3-	3,000
B102	WATER, GARBAGE AND OTHER UTILITIES		61.86	190	473.23	1,250	776.77-	62.1-	1,250
B110	BANK CHARGES		31.50	1,850	6,856.10	21,350	14,493.90-	67.9-	23,200
B112	COMMUNICATION		2,158.56	2,500	21,345.48	27,500	6,154.52-	22.4-	29,200

TREASURER'S REPORT

DATE 04/11/23  
FUND 01 GENERAL FUND

MONTH ENDED 03/31/23

PAGE 2

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B113	EMERGENCY/SAFETY EQUIPMENT		5,206.51	2,400	20,864.11	27,600	6,735.89-	24.4-	30,000
B115	EQUIPMENT/EQUIPMENT REPAIR		8,702.52	12,600	83,376.71	157,400	74,023.29-	47.0-	169,700
B116	SUPPLIES		448.61	600	3,891.26	6,600	2,708.74-	41.0-	6,800
B117	EMPLOYEE/DUTY COSTS		1,529.56	2,100	17,820.00	23,100	5,280.00-	22.9-	24,750
B118	BUILDING AND GROUNDS		726.86	1,000	56,234.83	166,000	109,765.17-	66.1-	167,000
B119	POSTAGE		2.15	630	5,291.83	6,930	1,638.17-	23.6-	7,550
B120	PRINTING/PHOTOGRAPHY		.00	300	9,072.80	12,400	3,327.20-	26.8-	12,700
B121	USER BILLING MATERIALS		10,386.93	7,000	73,219.97	77,150	3,930.03-	5.1-	84,150
B124	CONTRACT SERVICES		9,883.68	12,525	78,452.58	137,775	59,322.42-	43.1-	150,300
B137	MEMBERSHIPS/SUBSCRIPTIONS		.00	620	5,884.88	8,290	2,405.12-	29.0-	8,500
=====									
SECT B TOTALS			39,721.88	45,365	388,583.99	685,445	296,861.01-	43.3-	728,100
=====									
SECT C VEHICLES									
C222	GAS/FUEL		348.86	100	2,454.19	1,900	554.19	29.2	2,000
C225	OPERATION/REPAIR		.00	0	291.19	2,600	2,308.81-	88.8-	2,600
C226	VEHICLE PURCHASES		.00	0	18,637.00	12,000	6,637.00	55.3	12,000
=====									
SECT C TOTALS			348.86	100	21,382.38	16,500	4,882.38	29.6	16,600
=====									
DEPT 11 TOTALS									
			121,441.53	119,430	1,255,632.86	1,588,616	332,983.14-	21.0-	1,685,600
=====									
DEPT 12 O & M EXPENSES - WWTC									
=====									
SECT A SALARIES AND WAGES									
A006	ENGINEERING		2,413.44	4,057	49,939.96	46,713	3,226.96	6.9	48,800
A009	OPERATIONS MANAGEMENT		9,266.67	8,349	101,432.79	100,201	1,231.79	1.2	108,550
A010	MAINTENANCE - BUDGET		.00	58,266	.00	662,502	47,370.54-	7.2-	696,250
A011	MAINTENANCE - WWTC		43,876.00	0	420,577.80	0	.00	.0	0
A012	MAINTENANCE - VEHICLES		.00	0	2,098.25	0	.00	.0	0
A013	MAINTENANCE - ENERGY RECOVERY		139.57	0	10,013.63	0	.00	.0	0
A014	MAINTENANCE - ELECTRICAL		16,444.66	0	182,441.78	0	.00	.0	0
A020	WWTC - BUDGET		.00	46,735	.00	537,927	33,579.77-	6.2-	561,750
A021	WWTC - OPERATIONS		25,960.67	0	350,468.75	0	.00	.0	0
A022	WWTC - SLUDGE HANDLING		7,158.75	0	144,964.65	0	.00	.0	0
A023	WWTC - ENERGY RECOVERY		449.62	0	8,913.83	0	.00	.0	0
A030	BUILDING AND GROUNDS		12,292.96	8,947	96,532.19	102,625	6,092.81-	5.9-	107,250
=====									
SECT A TOTALS			118,002.34	126,354	1,367,383.63	1,449,968	82,584.37-	5.7-	1,522,600
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		9,155.76	4,500	58,229.03	49,100	9,129.03	18.6	53,600
B101	NATURAL GAS		612.71	1,300	8,902.62	9,600	697.38-	7.3-	10,400
B102	WATER, GARBAGE AND OTHER UTILITIES		2,374.38	5,000	40,060.30	46,300	6,239.70-	13.5-	48,400
B103	ODOR CONTROL		.00	200	997.49	2,700	1,702.51-	63.1-	3,000
B104	FUEL - GENERATORS		.00	0	14,460.00	12,500	1,960.00	15.7	12,500
B112	COMMUNICATION		2,645.64	2,000	20,760.25	22,900	2,139.75-	9.3-	24,900
B113	EMERGENCY/SAFETY EQUIPMENT		1,661.40	2,500	20,018.31	41,100	21,081.69-	51.3-	43,600
B116	SUPPLIES		2,034.50	2,600	20,641.89	28,750	8,108.11-	28.2-	31,350

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NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B117	EMPLOYEE/DUTY COSTS		2,836.91	2,000	18,068.16	25,000	6,931.84-	27.7-	26,000
B124	CONTRACT SERVICES		.00	0	222,594.00	222,600	6.00-	.0	222,600
B130	NPDES PERMIT FEES		.00	0	53,000.00	53,000	.00	.0	53,000
B131	SLUDGE HAULING/DISPOSAL SERVICES		.00	0	119,197.00	85,000	34,197.00	40.2	85,000
B400	CHEMICALS - BUDGET		.00	19,150	.00	210,650	64,674.05-	30.7-	229,800
B401	CHEMICALS - DISINFECTION		10,002.64	0	70,029.04	0	.00	.0	0
B402	CHEMICALS - SLUDGE DEWATERING		6,266.84	0	56,282.80	0	.00	.0	0
B404	CHEMICALS - OTHER		.00	0	19,664.11	0	.00	.0	0
B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS		1,992.20	5,500	106,834.51	138,100	31,265.49-	22.6-	143,600
B502	EQPT/EQPT REPAIR - DISINFECTION		1,970.74	500	5,877.75	13,800	7,922.25-	57.4-	15,300
B503	EQPT/EQPT REPAIR - EXCESS FLOW		3,750.00	1,520	12,625.03	16,720	4,094.97-	24.5-	18,300
B504	EQPT/EQPT REPAIR - GRIT REMOVAL		.00	3,520	3,910.06	38,720	34,809.94-	89.9-	42,300
B505	EQPT/EQPT REPAIR - INFLUENT PUMPING		12,184.65	5,020	75,051.14	55,220	19,831.14	35.9	60,300
B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT		5,878.13	4,320	24,220.49	47,480	23,259.51-	49.0-	51,800
B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT		14,864.20	13,820	31,547.86	151,980	120,432.14-	79.2-	165,800
B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION		.00	440	453.39	4,860	4,406.61-	90.7-	5,300
B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING		2,453.94	3,225	28,503.86	35,475	6,971.14-	19.7-	38,600
B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION		3,349.45	5,950	29,279.99	165,450	136,170.01-	82.3-	171,400
B511	EQPT/EQPT REPAIR - TERTIARY TREATMENT		3,181.16	7,190	7,594.28	79,090	71,495.72-	90.4-	86,300
B512	EQPT/EQPT REPAIR - WWTC GENERAL		964.56	3,460	27,519.09	38,060	10,540.91-	27.7-	41,600
B513	EQPT/EQPT REPAIR - WWTC UTILITIES		27,177.62	62,550	228,197.98	288,050	59,852.02-	20.8-	350,650
B801	BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOS		.00	333	101.63	3,667	3,565.37-	97.2-	4,000
B802	BLDG AND GROUNDS - DISINFECTION		.00	300	1,402.07	3,300	1,897.93-	57.5-	3,600
B803	BLDG AND GROUNDS - EXCESS FLOW		.00	92	78.78	1,012	933.22-	92.2-	1,100
B804	BLDG AND GROUNDS - GRIT REMOVAL		.00	133	.00	1,467	1,467.00-	100.0-	1,600
B805	BLDG AND GROUNDS - INFLUENT PUMPING		.00	4,160	12,012.67	45,760	33,747.33-	73.8-	49,960
B807	BLDG AND GROUNDS - SECONDARY TREATMENT		.00	175	36.80	1,925	1,888.20-	98.1-	2,120
B809	BLDG AND GROUNDS - SLUDGE DEWATERING		2,879.48	1,260	2,906.06	13,840	10,933.94-	79.0-	15,100
B810	BLDG AND GROUNDS - SLUDGE DIGESTION		84.91-	310	1,970.62	3,410	1,439.38-	42.2-	3,715
B811	BLDG AND GROUNDS - TERTIARY TREATMENT		298.90	663	8,253.26	7,297	956.26	13.1	7,960
B812	BLDG AND GROUNDS - WWTC GENERAL		11,802.57	23,460	242,620.95	298,060	55,439.05-	18.6-	321,595
B813	BLDG AND GROUNDS - WWTC UTILITIES		.00	130	786.48	1,440	653.52-	45.4-	1,600
=====									
SECT B TOTALS			130,253.47	187,281	1,594,689.75	2,263,383	668,693.25-	29.5-	2,447,750
=====									
SECT C VEHICLES									
C222	GAS/FUEL		2,095.05	2,000	28,708.49	22,500	6,208.49	27.6	24,500
C225	OPERATION/REPAIR		346.14	700	5,445.77	7,800	2,354.23-	30.2-	8,500
C226	VEHICLE PURCHASES		.00	0	17,403.00	32,000	14,597.00-	45.6-	59,000
=====									
SECT C TOTALS			2,441.19	2,700	51,557.26	62,300	10,742.74-	17.2-	92,000
=====									
DEPT 12 TOTALS									
			250,697.00	316,335	3,013,630.64	3,775,651	762,020.36-	20.2-	4,062,350
=====									
DEPT 13 O & M EXPENSES - LABORATORY									
SECT A SALARIES AND WAGES									
A009	OPERATIONS MANAGEMENT		4,488.91	6,557	57,695.77	78,693	20,997.23-	26.7-	85,250
A040	LABORATORY - BUDGET		.00	15,103	.00	174,474	16,243.07-	9.3-	182,800

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		ACTUAL	BUDGET			ACTUAL-		
COST		CURRENT	CURRENT	ACTUAL	BUDGET	BUDGET	VAR	TOTAL
NUMBER	DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	%	BUDGET
=====								
A041	LAB - WWTC	11,361.16	0	127,624.76	0	.00	.0	0
A042	LAB - PRETREATMENT	1,090.58	0	10,635.23	0	.00	.0	0
A043	LAB - SURCHARGE PROGRAM	.00	0	8,286.51	0	.00	.0	0
A044	LAB - BOD	829.75	0	914.66	0	.00	.0	0
A045	LAB - SOLIDS	286.24	0	1,341.23	0	.00	.0	0
A046	LAB - AMMONIA	.00	0	310.64	0	.00	.0	0
A047	LAB - MICRO	114.40	0	427.66	0	.00	.0	0
A048	LAB - ENERGY RECOVERY	922.33	0	8,690.24	0	.00	.0	0
=====								
SECT A TOTALS		19,093.37	21,660	215,926.70	253,167	37,240.30-	14.7-	268,050
=====								
SECT B OPERATIONS AND MAINTENANCE								
B112	COMMUNICATION	147.90	350	1,936.79	3,950	2,013.21-	51.0-	4,300
B114	CHEMICALS	3,649.03	2,000	18,865.58	22,500	3,634.42-	16.2-	24,500
B115	EQUIPMENT/EQUIPMENT REPAIR	1,656.68	3,000	8,084.75	33,000	24,915.25-	75.5-	36,000
B116	SUPPLIES	572.62	2,000	18,219.10	23,900	5,680.90-	23.8-	24,900
B117	EMPLOYEE/DUTY COSTS	.00	460	2,539.75	5,040	2,500.25-	49.6-	5,500
B122	MONITORING EQUIPMENT	.00	0	5,685.91	9,500	3,814.09-	40.2-	9,500
B123	OUTSIDE LAB SERVICES	1,457.60	1,750	17,086.82	21,250	4,163.18-	19.6-	23,000
=====								
SECT B TOTALS		7,483.83	9,560	72,418.70	119,140	46,721.30-	39.2-	127,700
=====								
SECT C VEHICLES								
C222	GAS/FUEL	101.89	50	812.58	600	212.58	35.4	650
C225	OPERATION/REPAIR	74.12	0	903.06	200	703.06	351.5	250
C226	VEHICLE PURCHASES	.00	0	22,701.00	18,500	4,201.00	22.7	18,500
=====								
SECT C TOTALS		176.01	50	24,416.64	19,300	5,116.64	26.5	19,400
=====								
DEPT 13 TOTALS								
		26,753.21	31,270	312,762.04	391,607	78,844.96-	20.1-	415,150
=====								
DEPT 14 O & M EXPENSES - SEWER SYSTEM								
SECT A SALARIES AND WAGES								
A006	ENGINEERING	583.84	776	4,647.76	9,052	4,404.24-	48.7-	9,600
A050	SEWER MAINTENANCE - BUDGET	.00	16,898	.00	194,345	69,866.28	36.0	202,800
A051	SEWER MAINTENANCE	19,599.46	0	250,334.80	0	.00	.0	0
A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	840.32	0	13,876.48	0	.00	.0	0
A060	INSPECTION - BUDGET	.00	24,530	.00	282,113	112,252.35-	39.8-	294,400
A061	INSPECTION - NEW CONSTRUCTION	.00	0	2,353.26	0	.00	.0	0
A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	7,070.23	0	49,454.05	0	.00	.0	0
A063	INSPECTION - PERMIT INSPECTIONS	2,062.79	0	14,045.51	0	.00	.0	0
A064	INSPECTION - MISCELLANEOUS	1,469.96	0	21,962.32	0	.00	.0	0
A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	517.72	0	25,000.04	0	.00	.0	0
A066	INSPECTION - CODE ENFORCEMENT	3,370.35	0	57,045.47	0	.00	.0	0
A070	SEWER INVESTIGATIONS - BUDGET	.00	128	.00	1,472	4,430.30	301.0	1,550
A072	SEWER INVESTIGATIONS	332.82	0	5,902.30	0	.00	.0	0
A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	.00	52	.00	624	624.00-	100.0-	650
=====								
SECT A TOTALS		35,847.49	42,384	444,621.99	487,606	42,984.01-	8.8-	509,000
=====								

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NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
SECT B	OPERATIONS AND MAINTENANCE								
B112	COMMUNICATION		523.54	1,100	6,036.78	12,300	6,263.22-	50.9-	13,400
B113	EMERGENCY/SAFETY EQUIPMENT		.00	200	2,605.50	2,600	5.50	.2	2,800
B115	EQUIPMENT/EQUIPMENT REPAIR		10,153.38	4,880	58,133.31	54,080	4,053.31	7.5	59,000
B116	SUPPLIES		122.01	375	4,091.55	4,275	183.45-	4.3-	4,650
B117	EMPLOYEE/DUTY COSTS		2,261.05	1,125	8,048.43	12,475	4,426.57-	35.5-	13,600
B124	CONTRACT SERVICES		.00	8,750	126,724.40	96,250	30,474.40	31.7	105,000
B127	JULIE SYSTEM		.00	0	11,659.01	12,075	415.99-	3.5-	16,100
B128	OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM		.00	1,000	6,017.00	14,000	7,983.00-	57.0-	15,000
B129	REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGE		1,094.17	1,000	5,306.57	11,000	5,693.43-	51.8-	12,000
B900	SEWER SYSTEM REPAIRS - BUDGET		.00	100,830	.00	3,514,100	2,631,759.76-	74.9-	3,796,600
B901	SEWER SYSTEM REPAIRS - I/I PROGRAM		.00	0	22,385.06	0	.00	.0	0
B902	SEWER SYSTEM REPAIRS - REPLACEMENT		7,857.84	0	48,768.98	0	.00	.0	0
B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM		80,438.43	0	705,151.60	0	.00	.0	0
B911	SEWER SYSTEM REPAIRS - BSSRAP - TARGET I/I		.00	0	350.00	0	.00	.0	0
B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/R		5,613.57	0	14,889.01	0	.00	.0	0
B929	ARRA LOAN PRINCIPAL REPAYMENT		.00	0	90,795.59	0	.00	.0	0
=====									
SECT B TOTALS			108,063.99	119,260	1,110,962.79	3,733,155	2,622,192.21-	70.2-	4,038,150
=====									
SECT C	VEHICLES								
C222	GAS/FUEL		2,143.86	1,800	21,856.66	20,200	1,656.66	8.2	22,000
C225	OPERATION/REPAIR		283.89	550	11,275.00	6,450	4,825.00	74.8	7,000
=====									
SECT C TOTALS			2,427.75	2,350	33,131.66	26,650	6,481.66	24.3	29,000
=====									
DEPT 14 TOTALS			146,339.23	163,994	1,588,716.44	4,247,411	2,658,694.56-	62.6-	4,576,150
=====									
DEPT 15	O & M EXPENSES - LIFT STATIONS								
SECT A	SALARIES AND WAGES								
A006	ENGINEERING		48.52	570	428.27	6,558	6,129.73-	93.5-	6,850
A009	OPERATIONS MANAGEMENT		141.36	22	1,296.08	278	1,018.08	366.2	300
A030	BUILDING AND GROUNDS		.00	65	.00	708	708.00-	100.0-	750
A080	LIFT STATION MAINTENANCE		706.99	1,937	10,590.11	20,675	10,084.89-	48.8-	21,650
=====									
SECT A TOTALS			896.87	2,594	12,314.46	28,219	15,904.54-	56.4-	29,550
=====									
SECT B	OPERATIONS AND MAINTENANCE								
B100	ELECTRICITY		8,165.29	10,250	137,048.10	117,750	19,298.10	16.4	128,000
B104	FUEL - GENERATORS		.00	0	6,521.94	3,750	2,771.94	73.9	3,750
B112	COMMUNICATION		315.82	400	3,358.90	5,900	2,541.10-	43.1-	6,300
B113	EMERGENCY/SAFETY EQUIPMENT		.00	0	300.00	1,000	700.00-	70.0-	1,000
B116	SUPPLIES		69.72	0	168.64	300	131.36-	43.8-	300
B520	EQPT/EQPT REPAIR - BUTTERFIELD		.00	181	610.63	1,991	1,380.37-	69.3-	2,175
B521	EQPT/EQPT REPAIR - CENTEX		837.00	163	6,286.95	1,793	4,493.95	250.6	1,950
B522	EQPT/EQPT REPAIR - COLLEGE		1,111.00	2,880	3,466.69	31,680	28,213.31-	89.1-	34,575
B523	EQPT/EQPT REPAIR - EARLSTON		.00	162	5,335.25	1,782	3,553.25	199.4	1,940
B524	EQPT/EQPT REPAIR - HOBSON		9,107.61	2,920	35,590.80	32,120	3,470.80	10.8	35,000

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NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B525	EQPT/EQPT REPAIR - LIBERTY PARK		.00	390	8,520.94	4,290	4,230.94	98.6	4,660
B526	EQPT/EQPT REPAIR - NORTHWEST		.00	1,820	5,315.49	20,020	14,704.51-	73.5-	21,850
B527	EQPT/EQPT REPAIR - VENARD		1,111.00	300	34,600.44	3,500	31,100.44	888.6	3,800
B528	EQPT/EQPT REPAIR - WROBLE		2,503.00	750	5,323.52	8,450	3,126.48-	37.0-	9,200
B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL		1,344.84	5,050	12,019.04	55,350	43,330.96-	78.3-	60,400
B820	BLDG AND GROUNDS - BUTTERFIELD		.00	0	1,138.10	0	1,138.10	.0	0
B821	BLDG AND GROUNDS - CENTEX		.00	0	1,190.60	0	1,190.60	.0	0
B823	BLDG AND GROUNDS - EARLSTON		.00	0	1,163.30	0	1,163.30	.0	0
B824	BLDG AND GROUNDS - HOBSON		.00	0	5,851.57	20,000	14,148.43-	70.7-	20,000
B825	BLDG AND GROUNDS - LIBERTY PARK		.00	0	2,775.30	0	2,775.30	.0	0
B826	BLDG AND GROUNDS - NORTHWEST		.00	0	1,433.64	0	1,433.64	.0	0
B827	BLDG AND GROUNDS - VENARD		.00	0	1,190.60	5,000	3,809.40-	76.2-	5,000
B828	BLDG AND GROUNDS - WROBLE		.00	0	1,033.05	8,250	7,216.95-	87.5-	8,250
B829	BLDG AND GROUNDS - LIFT STATIONS GENERAL		.00	2,425	346.64	26,675	26,328.36-	98.7-	29,100
=====									
SECT B TOTALS			24,565.28	27,691	280,590.13	349,601	69,010.87-	19.7-	377,250
=====									
DEPT 15 TOTALS			25,462.15	30,285	292,904.59	377,820	84,915.41-	22.5-	406,800
=====									
DEPT 17 O & M EXPENSES - INSURANCE & EMPLOYEE BENEFITS									
=====									
SECT E INSURANCE AND EMPLOYEE BENEFITS									
E452	LIABILITY/PROPERTY		.00	0	226,566.98	231,000	4,433.02-	1.9-	231,000
E455	EMPLOYEE GROUP HEALTH		46,540.67	50,000	488,438.68	550,000	61,561.32-	11.2-	597,300
E460	IMRF		16,442.41	23,680	239,873.83	281,200	41,326.17-	14.7-	296,000
E461	SOCIAL SECURITY		19,143.76	19,600	215,904.32	232,750	16,845.68-	7.2-	245,000
=====									
SECT E TOTALS			82,126.84	93,280	1,170,783.81	1,294,950	124,166.19-	9.6-	1,369,300
=====									
DEPT 17 TOTALS			82,126.84	93,280	1,170,783.81	1,294,950	124,166.19-	9.6-	1,369,300
=====									
DEPT 91 SA EXPENSE									
=====									
DEPT 91 TOTALS			.00	0	.00	0	.00	0	
=====									
FUND EXPENSE TOTAL			652,819.96	754,594	7,634,430.38	11,676,055	4,041,624.62-	34.6-	12,515,350
=====									
FUND 01 TOTALS			49,452.95	179,957	2,129,810.03-	1,330,314	3,460,124.03-	260.1-	1,508,600
=====									

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FUND 02 IMPROVEMENT FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		1,376.82-	20-	15,733.50-	230-	250-
3010	TRUNK SEWER SERVICE CHARGES		21,934.00-	7,500-	122,502.46-	82,500-	90,000-
3035	INTERFUND TRANSFER		250,000.00-	250,000-	500,000.00-	500,000-	500,000-
=====							
DEPT 05	TOTALS		273,310.82-	257,520-	638,235.96-	582,730-	590,250-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	0	.00	46,600	93,200
0515	PAYMENT ON LOAN PRINCIPAL		.00	0	46,595.52	0	0
=====							
DEPT 30	TOTALS		.00	0	46,595.52	46,600	93,200
=====							
DEPT 36	CAPITAL EXP - LIBERTY PARK LIFT STATION UPGRADE						
=====							
DEPT 36	TOTALS		.00	0	.00	0	0
=====							
DEPT 47	CAPITAL EXP - CENTEX LIFT STATION UPGRADE						
0500	PROJECT BUDGET		.00	186,000	.00	1,386,000	1,538,000
0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVI		450.00	0	11,222.50	0	0
0506	CONSTRUCTION CONTRACTS AND PURCHASES		.00	0	203,946.30	0	0
=====							
DEPT 47	TOTALS		450.00	186,000	215,168.80	1,386,000	1,538,000
=====							
DEPT 48	CAPITAL - VENARD LIFT STATION UPGRADE						
0500	PROJECT BUDGET		.00	20,000	.00	20,000	50,000
=====							
DEPT 48	TOTALS		.00	20,000	.00	20,000	50,000
=====							
DEPT 74	CAPITAL EXP - SEWER - UNSEWERED AREAS						
0500	PROJECT BUDGET		.00	250	.00	250	500
=====							
DEPT 74	TOTALS		.00	250	.00	250	500
=====							
FUND	EXPENSE TOTAL		450.00	206,250	261,764.32	1,452,850	1,681,700
=====							
FUND 02	TOTALS		272,860.82-	51,270-	376,471.64-	870,120	1,091,450
=====							

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DATE 04/11/23

MONTH ENDED 03/31/23

PAGE 8

FUND 03 CONSTRUCTION FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		2,323.09-	100-	15,938.74-	1,100-	1,200-
3009	SEWER PERMIT FEES		3,563.00-	20,833-	171,431.00-	229,163-	250,000-
=====							
DEPT 05	TOTALS		5,886.09-	20,933-	187,369.74-	230,263-	251,200-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	0	.00	14,450	28,900
0515	PAYMENT ON LOAN PRINCIPAL		.00	0	14,403.64	0	0
=====							
DEPT 30	TOTALS		.00	0	14,403.64	14,450	28,900
=====							
DEPT 31	CAPITAL EXP - WWTC - CHP BIOGAS						
=====							
DEPT 31	TOTALS		.00	0	.00	0	0
=====							
DEPT 32	CAPITAL EXP - WWTC - SECOND TURBOBLOWER						
=====							
DEPT 32	TOTALS		.00	0	.00	0	0
=====							
DEPT 33	CAPITAL EXP - WWTC - DIGESTER MIXING/GAS PIPING						
=====							
DEPT 33	TOTALS		.00	0	.00	0	0
=====							
DEPT 34	CAPITAL EXP - WWTC - GREASE WASTE DELIVERY RAMP						
=====							
DEPT 34	TOTALS		.00	0	.00	0	0
=====							
DEPT 35	CAPITAL EXP - WWTC - CHP BIOGAS PHASE 2						
=====							
DEPT 35	TOTALS		.00	0	.00	0	0
=====							
DEPT 37	CAPITAL EXP - WWTC - GREASE RECEIVING STATN NO2						
=====							
DEPT 37	TOTALS		.00	0	.00	0	0
=====							
DEPT 38	CAPITAL EXP - WWTC - PROPERTY ACQUISITION						
=====							
DEPT 38	TOTALS		.00	0	.00	0	0
=====							
DEPT 39	CAPITAL EXP - WWTC - GRIT BLOWER REPLACEMENT						

DATE 04/11/23 MONTH ENDED 03/31/23  
FUND 03 CONSTRUCTION FUND

FUND 03      CONSTRUCTION FUND

		ACTUAL	BUDGET			
	COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL
NUMBER	DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	BUDGET
=====						
=====						
DEPT 39	TOTALS	.00	0	.00	0	0
=====						
DEPT 40	CAPITAL EXP - WWTC - LOAN REPAYMENT					
=====						
DEPT 40	TOTALS	.00	0	.00	0	0
=====						
FUND	EXPENSE TOTAL	.00	0	14,403.64	14,450	28,900
=====						
FUND 03	TOTALS	5,886.09-	20,933-	172,966.10-	215,813-	222,300-
=====						

TREASURER'S REPORT

DATE 04/11/23 MONTH ENDED 03/31/23 PAGE 10  
FUND 05 PUBLIC BENEFIT FUND

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

DATE 04/11/23 MONTH ENDED 03/31/23 PAGE 11

FUND 71 SEWER EXTENSIONS ESCROW

		ACTUAL	BUDGET			
	COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL
NUMBER	DESCRIPTION	MONTH	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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*Vice President*  
Jeremy M. Wang  
*Clerk*



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**General Manager**  
Amy R. Underwood

**Legal Counsel**  
Michael G. Philipp

*Providing a Better Environment for South Central DuPage County*

March 21, 2023

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  
2023 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 2023 PDOP annual progress report, in compliance with Special Condition 17, Paragraph E. This report is due by March 31, 2023.

#### **WWTC Phosphorus Removal Performance**

The WWTC phosphorus monitoring data for calendar year 2022 is summarized in Table 1 on the next page.

This is the sixth annual PDOP progress report. Each annual PDOP progress report has presented the monthly and annual average WWTC phosphorus monitoring data for the previous calendar year. A summary of the last six years of data 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. 2022 WWTC Phosphorus Monitoring Data

	INFLUENT		EFFLUENT		FRACTION REMOVED
	CONCN mg/l	LOAD lbs/day	CONCN mg/l	LOAD lbs/day	
Jan-22	6.41	463	3.12	207	0.55
Feb-22	5.60	472	2.20	182	0.61
Mar-22	3.30	334	1.51	157	0.53
Apr-22	3.32	385	1.61	196	0.49
May-22	4.07	370	1.91	189	0.49
Jun-22	7.10	551	3.75	311	0.44
Jul-22	5.71	406	3.24	227	0.44
Aug-22	5.85	366	4.57	291	0.20
Sep-22	4.68	256	2.64	155	0.39
Oct-22	5.38	294	3.66	99	0.66
Nov-22	5.00	280	3.92	212	0.24
Dec-22	4.97	303	2.77	168	0.45
Average	5.12	373	2.91	200	0.46
Maximum	7.10	551	4.57	311	0.66
Minimum	3.30	256	1.51	99	0.20

Table 2. Historic WWTC Phosphorus Annual Average Monitoring Data

	INFLUENT		EFFLUENT		FRACTION REMOVED
	CONCN mg/l	LOAD lbs/day	CONCN mg/l	LOAD lbs/day	
Total Baseline*	4.81	365	3.07	229	0.37
2012 Portion of Baseline	5.85	382	3.80	247	0.35
2017	5.62	414	2.99	217	0.48
2018	5.43	448	2.48	208	0.52
2019	4.68	434	2.16	201	0.53
2020	5.33	418	2.90	228	0.45
2021	5.72	405	3.33	238	0.40
2022	5.12	373	2.91	200	0.44

\*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 2022 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 was done in 2022.

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 sidestream enhanced biological phosphorus removal (EBPR) process which the District started up in 2016 has impacted our ability to always meet our total suspended solids (TSS) permit limits and has made meeting our ammonia permit limits challenging. Based on the data presented in last year's report, it was not clear whether the sidestream EBPR was providing additional phosphorus removal above what the plant would have had without the process. Based on the conclusions of that report, the District decided to remove the sidestream EBPR from service in July 2022. As can be seen in Table 2 above, the average effluent TP concentration and the percent removal of phosphorus were comparable to the previous five years regardless of the sidestream EBPR only being in service for half the year. The impact, if any, of removing the sidestream EBPR may become more apparent in the future once the District has collected more data.

The District's commitment to the goals set forth in the PDOP remain. The District is working on a sampling plan to collect data to recalibrate a BioWin model of the WWTC. The model will then be used to reevaluate the WWTC treatment process 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

**Personnel**

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

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

**Employee Outing**

The District is hosting a bowling and pizza party at Tivoli Bowl in Downers Grove on **April 19** from 6:30 – 9:00 pm for all employees, a spouse or guest, and their children. You can RSVP to the event through the employee portal. Please do so before **April 12** so that we can get an accurate headcount.

**Employee Manual Policy Update – Bereavement Leave**

Effective January 1, 2023 amendments to the Family Bereavement Leave Act (FBLA) went into effect and it has expanded what immediate family member includes. What is currently in the Employee Policy Manual does not include these changes, so we wanted to make you aware. Employees are granted 2 days of paid leave in the event of a death of an immediate family member. Immediate family member is defined as a spouse, **domestic partner**, children **including miscarriage and still birth**, **step children**, mother, father, **step mother**, **step father**, sister, brother, grandmother, grandfather, grandchild, mother-in-law, father-in-law, sister-in-law or brother-in-law. The changes to the act are in bold above. Upon completion and review of the manual, we will provide updated versions to all employees and this update will be reflected in there.

**Illinois Paid Leave for All Workers Act**

Illinois legislators passed the Paid Leave for All Workers Act on January 10, 2023. Governor Pritzker announced that he will sign the Act into law effective January 1, 2024. There are no changes to current District paid leave policies at this time. The District will be reviewing current paid leave policies to ensure compliance with this new Act and will also communicate what this means for our employees as we have more information.

**District Phone System Upgrade**

FirstComm will be here on Thursday March 30<sup>th</sup> installing a new Teams based phone system to replace the Mitel system that we have in place currently. All employees will have the call feature added to their Teams account. WWTC employees can utilize that through your District issued cell phones. Admin employees will be equipped with phones and headsets that will work with the new program. If you have any questions or concerns with this change, please reach out to Carly Shaw.

### **WWTC Operations Data – February**

The DMR for February indicates that the final effluent averaged 1.82 mg/l CBOD, 0.9 mg/l suspended solids and 0.2 mg/l ammonia nitrogen over a daily average flow of 13.93 MGD. There were no permit excursions for the month.

### **Sewer Permits – February**

There were 4 sewer permits issued in February – 3 single family, and 1 disconnection.

### **Financial Data – February**

In February, the District received \$717,579 in the General fund, including \$253,324 in user charges, \$30,737 in surcharges and \$356,224 in monthly fees. General fund expenses totaled 557,625. The Improvement fund had revenues of \$3,236 and expenses of \$0. The Construction fund had revenues of \$5,113 and expenses of \$0.

### **Five Year Financial Plan and Appropriation Ordinance**

At the March 21 meeting, the Board approved the Five-Year Financial Plan for Fiscal Years 2023-24 to 2027-28. The plan includes a \$0.20 increase in the FY 2023-24 budget for the user fee (increasing from \$2.05 to \$2.25 per 1,000 gal) and a \$1.00 increase in the monthly service fee (increasing from \$19.00 to \$20.00 per month). The Board also approved the FY 2023-24 Appropriation Ordinance. The plan sets a budget for operation and maintenance expenses of \$14,496,550, an improvement fund budget of \$1,248,100 and a construction fund budget of \$1,445,400 for the fiscal year starting May 1, 2023.

### **TopHealth**

The April issue of TopHealth is enclosed.

### **Mercury Investigation and Remediation**

The Admin Center and Laboratory have been remediated. The District is currently working on a remediation plan for the Ops Center/Blower Room.

### **COVID-19**

The District would like to remind employees when you are sick, stay home. This helps protect our employees and maintain a healthy workplace. When calling in sick, contact your supervisor first and if you are experiencing COVID symptoms, please contact Carly Shaw afterward to discuss policy requirements.

### **Sewer Rehabilitation/Infiltration and Inflow Removal**

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

## **Status of Projects**

1) 001 Outfall Pipe Repair

The contractor has completed exploratory digs to verify the extent of the sag and is in the process of ordering the pipe, which has a long lead time.

2) Centex Lift Station Replacement

Construction started on March 6. Berger Construction has installed bypass piping around the site to keep the station in service while the work is being completed. The site is being excavated for construction of the new wet well and valve vault.

3) Administration Center Modifications

The contractor is waiting on one item to be delivered before they can start.

4) Curtiss Street Trunk Sewer Rehabilitation

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

5) Digester 4 Cleaning

This project is out for bids. Bids will be opened on April 11.

6) Venard Forcemain Replacement

A kickoff meeting with Baxter & Woodman was held on March 8.

7) Carpenter St (2D) Lining

A kickoff meeting with Baxter & Woodman was held on March 8.

8) Alley H Sewer Replacement

This project is being completed with the Village of Westmont paving project. Bids were scheduled to be opened this week.

## **GENERAL MANAGER'S REPORT TO EMPLOYEES**

**April 6, 2023**

### **Personnel**

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

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

### **Employee Outing**

The District is hosting a bowling and pizza party at Tivoli Bowl in Downers Grove on **April 19** from 6:30 – 9:00 pm for all employees, a spouse or guest, and their children. You can RSVP to the event through the employee portal. Please do so before **April 12** so that we can get an accurate headcount.

### **District Phone System Upgrade**

The new phone system is in place as of March 30<sup>th</sup>. If you have any questions or concerns on the operation of the system, please see Carly Shaw. We appreciate the staff's willingness to learn how to navigate this change hands on.

### **Mercury Investigation and Cleanup**

Thank you to all staff for your continued patience with this situation. Cleanup of the west side of the Ops Center is scheduled to start on Monday with the goal of getting the operators safely back into their offices.

### **COVID-19**

The District would like to remind employees, when you are sick, stay home. This helps protect our employees and maintain a healthy workplace. When calling in sick, contact your supervisor first and if you are experiencing COVID symptoms, please contact Carly Shaw afterward to discuss policy requirements.

### **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**

Progress is on hold until the pipe is delivered.

#### **2) Centex Lift Station Replacement**

The new wet well and the valve vault have been installed.

3) Administration Center Modifications

The contractor is waiting for one item to be delivered before they can start the work.

4) Curtiss Street Trunk Sewer Rehabilitation

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

5) Digester 4 Cleaning

This project is out for bids. Bids will be opened on April 11.

6) Venard Forcemain Replacement

A kickoff meeting with Baxter & Woodman was held on March 8.

7) Carpenter St (2D) Lining

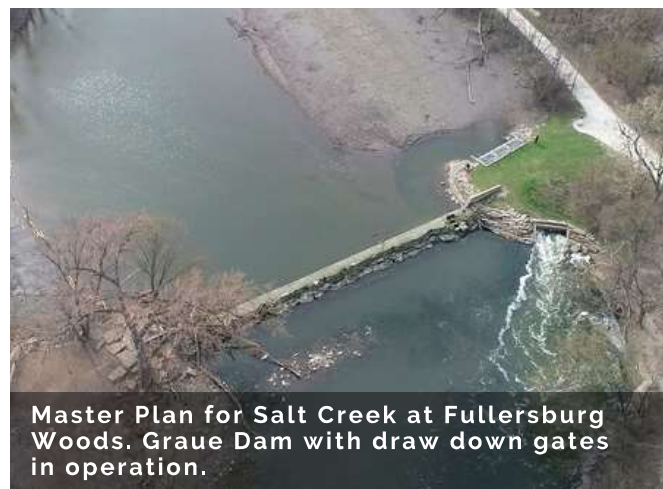
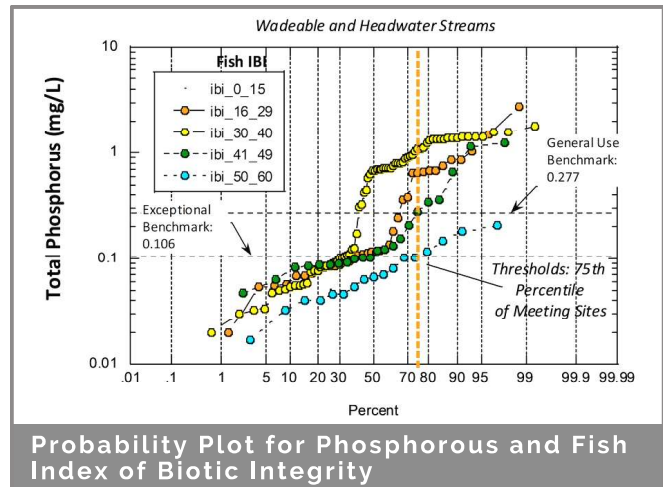
A kickoff meeting with Baxter & Woodman was held on March 8.

8) Alley H Sewer Replacement

This project is being completed as part of the Village of Westmont paving project. Bids are scheduled to be opened on April 19.

# DuPage River/Salt Creek Special Conditions Report

March 30, 2023



DuPage River Salt Creek Workgroup



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## Introduction and Participation DuPage/Salt Creek Special Conditions Report, March 30, 2023.

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. These requirements are provided in the DRSCW Special Conditions (Attachment 1) and the LDRWC Special Conditions. (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 Workgroup's Special Conditions Language.)

The Special Conditions are in the NPDES permits identified in Table 1 and Table 2. Listed permittees are required to ensure the completion of projects and activities set out in the Special Conditions, while a few other permittees are required to participate only in identified watershed level studies and the chloride reduction program. Table 1 identifies the status of funding for these activities by each permittee in the DRSCW; and Table 2 identifies the status of funding for these activities by each permittee in the LDRWC.

All listed permittees participate in the DRSCW and/or LDRWC and are working 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 DRSCW watersheds.

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. Map 1 and Map 2 show the locations of the physical projects to be realized under the Special Conditions.

Negotiations with IEPA to extend the Special Conditions were concluded in early 2022, with permits containing the new language being issued shortly after the publication of the 2021 Annual Report. The new language extends the implementation schedule for Total Phosphorous (TP) by three years in return for a further three years of project assessments. Members could choose the new conditions or remain with the original schedule depending on the cost profiles of their individual agencies. Four (4) DRSCW members chose to remain with the original language and will be implementing a TP limit of 1 mg/l monthly average between 10/1/2025 and 8/2/2026. Members Bensenville and Itasca are already treating to 1 mg/l following plant expansions.

Twelve (12) agencies running sixteen (16) POTWs have opted to adopt the new conditions. The assessments between 2023 and 2025 (valued at \$3,998,832) will be used to fund an expansion of the Fullersburg Woods Dam removal and stream restoration, the lower East Branch Stream Enhancement, and an as yet unidentified project on the West Branch of the DuPage River. The

MWRD (running two (2) POTWs) permits are running 6 years behind the majority of the others and negotiations with them is ongoing.

On the lower DuPage, three (3) agencies are already at 1 mg/l monthly average and two (2) agencies, 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 1 in the 2023 report will reflect these updates.

### Special Conditions Permit Holder Forum

A meeting of the special condition permit holders was held on September 29, 2022 at the Addison Village Hall. The meeting was held to detail the central strategy for the Nutrient Implementation Plan (see Chapter 3), including effluent limits and schedules. The core of the discussion was the adoption of the 0.11 to 0.28 mg/l Total Phosphorus (TP) target as a warm weather watershed goal (equivalent to a 0.35 mg/l TP effluent standard).

**Table 1.** Participation in the DRSCW Special Conditions permit 2022-2023

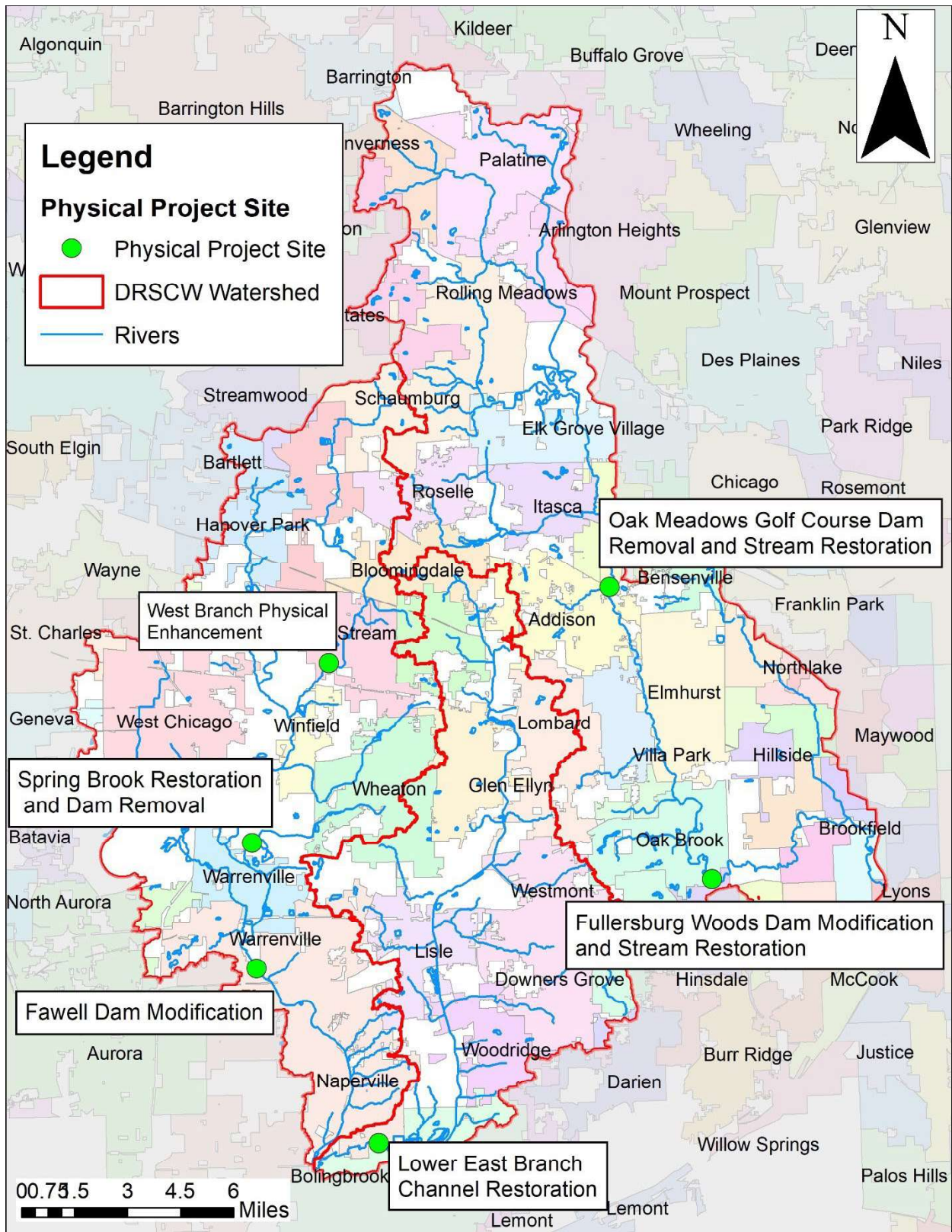
POTW Owner/ Facility Name	NPDES No.	Membership Dues Paid 2022-23	Assessment Paid for Paragraph 2 Table Project Funding*	Assessment Paid for Chloride Reduction/NIP/QUAL 2k/Trading Program
Addison North STP	IL0033812	YES	YES	YES
Addison South - AJ LaRocca	IL0027367	YES	YES	YES
Bartlett WWTP	IL0027618	YES	YES	YES
Bloomington-Reeves WRF	IL0021130	YES	YES	YES
Bolingbrook STP#1	IL0032689	YES	YES	YES
Bolingbrook STP#2	IL0032735	YES	YES	YES
Carol Stream WRC	IL0026352	YES	YES	YES
Downers Grove SD	IL0028380	YES	YES	YES
DuPage County Woodridge	IL0031844	YES	YES	YES
Elmhurst WWTP	IL0028746	YES	YES	YES
Glenbard WW Authority STP	IL0021547	YES	YES	YES
Glendale Heights STP	IL0028967	YES	YES	YES
Hanover Park STP#1	IL0034479	YES	YES	YES
Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) – Egan WRP	IL0036340	YES	YES	YES
MWRDGC – Hanover Park WRP	IL0036137	YES	YES	YES
Roselle-Devlin STP	IL0030813	YES	YES	YES
Roselle-J Botterman WWTF	IL0048721	YES	YES	YES
Salt Creek SD	IL0030953	YES	YES	YES

<b>POTW Owner/ Facility Name</b>	<b>NPDES No.</b>	<b>Membership Dues Paid 2022-23</b>	<b>Assessment Paid for Paragraph 2 Table Project Funding*</b>	<b>Assessment Paid for Chloride Reduction/NIP/QUAL 2k/Trading Program</b>
West Chicago Regional WWTF	IL0023469	YES	YES	YES
Wheaton SD	IL0031739	YES	YES	YES
Wood Dale North STP	IL0020061	YES	YES	YES
Wood Dale South STP	IL0034274	YES	YES	YES
Bensenville South STP	IL0021849	YES	N/A	YES
Itasca STP	IL0079073	YES	N/A	YES

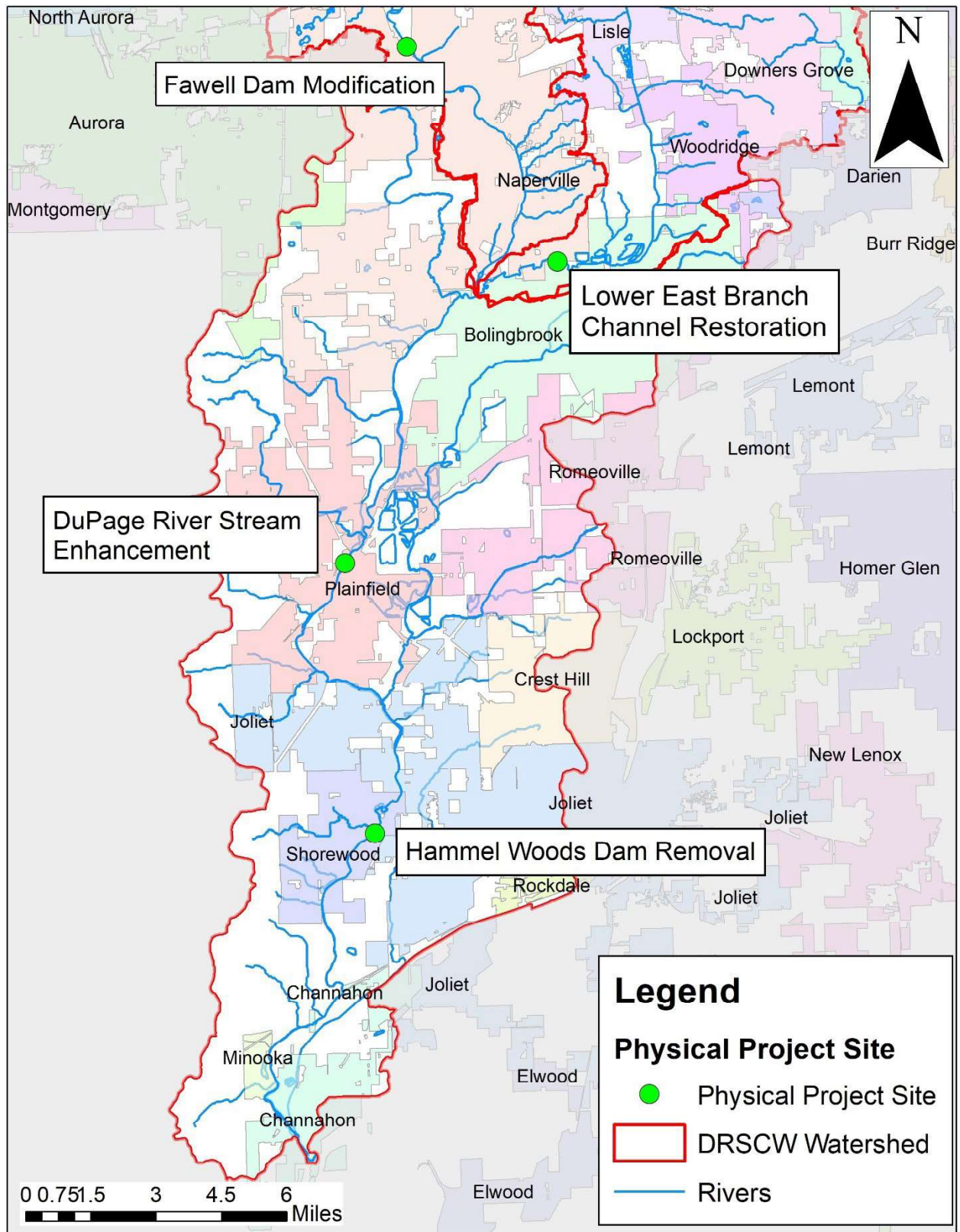
**Table 2.** *Participation in the LDRWC Special Conditions Permit 2021-2022*

<b>POTW Owner/ Facility Name</b>	<b>NPDES No.</b>	<b>Membership Dues Paid 2022-2023</b>	<b>Assessment Paid for Paragraph 2 Table Project Funding*</b>	<b>Assessment Paid for Chloride Reduction/NIP/QUAL 2k/Trading Program</b>
Naperville Springbrook WRC	IL0034061	YES	YES	YES
Bolingbrook STP#3	IL0069744	YES	YES	YES
Plainfield STP	IL0074373	YES	N/A	YES
Joliet Aux Sable Plant	IL0076414	YES	N/A	YES
Crest Hill West STP	IL0021121	YES	N/A	YES
Minooka STP	IL0055913	YES	N/A	YES

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



**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 2023-24 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 (updated December 2022)
- 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.

### 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 and 2021 Annual Reports. The basic elements of providing fish passage have not changed. The system relies on a series of regularly spaced side mounted baffles to provide low to no flow pockets for the length of the structure. The ladder would be in three sections, moving from downstream to upstream, a section to allow movement through the downstream splash pad lip, a second section that mounts the inside of the culvert proper, and a movable swing section extending upstream of the culvert that can be moved to allow for floodgate movement (detailed below). All three sections would be 3' tall by 2' wide and would be mounted in the eastern most culvert and wing wall.

Feedback from DuPage County Stormwater Management (DC SWM) has been integrated into the design in several areas but most of the design efforts in the last year have been improving the “swing section” at the upstream end of the ladder system. This section can be hinged out to create a 4' opening in the ladder allowing the flood control gates to fully close. These gates do not usually need to fully close during the normal course of operations but may have to do so if one of the other gates encountered mechanical issues. A solution has been agreed on with DC SWM which would include leaving the swing section open during the winter ensuring gate operations are unencumbered for a substantial part of the year. The team does not believe this will impact annual fish passage totals. Water elevations under this design are currently being modelled.

### 1.2.3. Permitting Requirements

The listed permits below are required for the Fawell Dam Modification. Status as of March 15, 2023 is included.

- U.S. Army Corps of Engineers Nationwide Permit
  - Application submittal 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
- Illinois Department of Natural Resources
  - EcoCat Request – Signoff received (submitted in summer 2021 expires in 2023)
    - Major Modification of Existing Dam Permit – Application submittal pending  
Based on past discussions and the revised design, this permit may be combined with the Floodway Construction Permit.

- Floodway Construction Permit
  - Expected to be delegated to DuPage County Stormwater
  - Application submittal pending
- DuPage County Stormwater Management Certification and Building Permit
  - Application submittal pending

#### 1.2.4. Design Progress Report

The DRSCW has negotiated a memorandum of understanding (MOU) with DC SWM and the Forest Preserve District of DuPage County (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)
- Winter opening of swing section and placement of winter debris screens
- Ad hoc operation of the hinged section where the ladder exits the upstream end of the culvert to allow the ladder to be moved aside if the gate needs to be closed
- Maintenance of instream elevation of the downstream riffle

The MOU is in its final round of edits after a number of discussions between DC SWM and DRSCW over the last 4 months.

#### 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.

### 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 2 of post-project monitoring was completed in 2022. Year 3 of post-project monitoring is scheduled for 2023.

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 two (2) 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 water quality 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 north of the existing channel 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. Prior to 2020, WB10 was located on the original channel. As such, as part of the post-project monitoring, WB10 was relocated to the new constructed channel immediately upstream of the pedestrian bridge. Table 3 is a summary of pre- and post- project biological and habitat data collected at Spring Brook Phase 2 in 2018, 2021, and 2022. Table 4 and Table 5 include the color codes to IBI and habitat scores. Figure 1 to Figure 3 depict the pre- and post-project QHEI (Figure 1); mIBI scores (Figure 2); and fIBI scores (Figure 3). A map of sampling locations is included in Map 3.

**Table 3.** Pre- (2018) and Post-(2021 & 2022) 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 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	2	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.

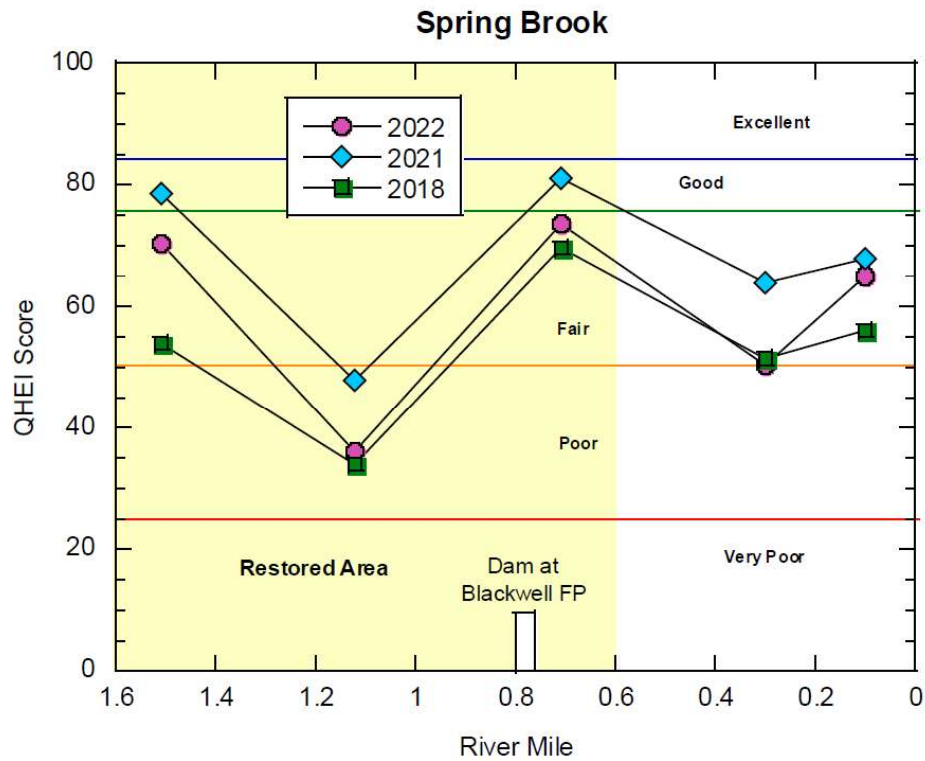
**Table 4.** Color Key to IBI Scores

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

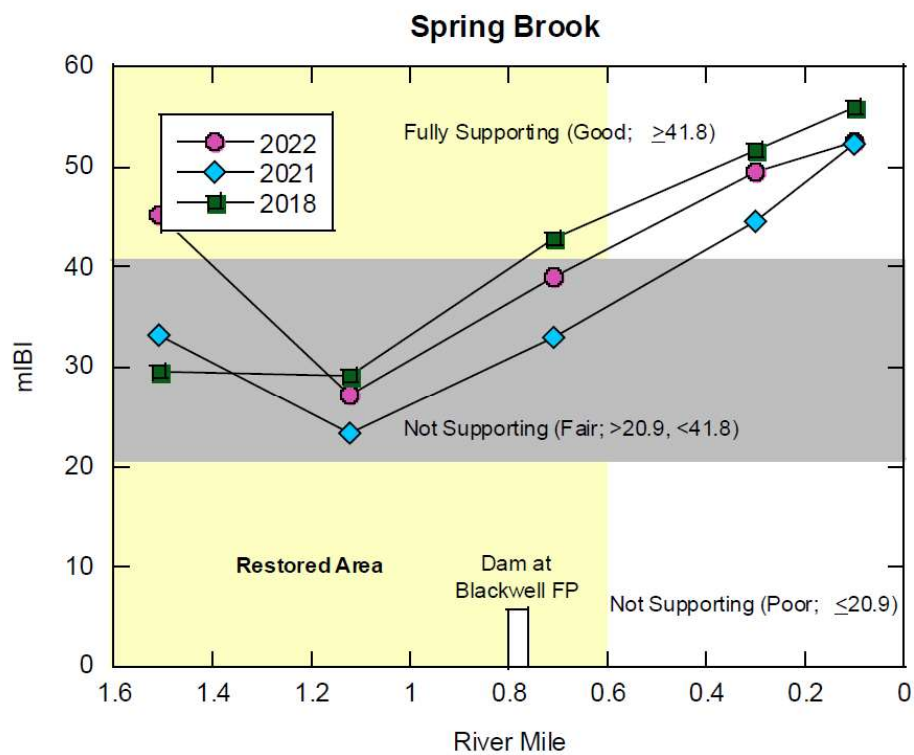
**Table 5.** Color Code to QHEI Scores

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

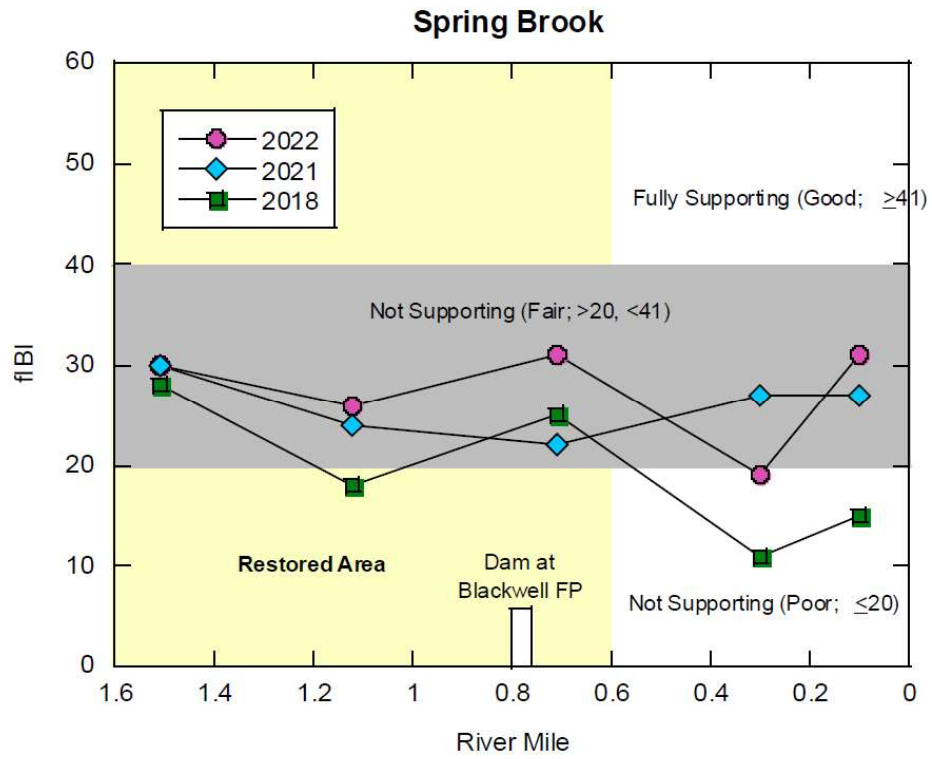
**Figure 1.** Pre- (2018) and Post-Project (2021 and 2022) QHEI Scores at Spring Brook Phase 2



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



**Figure 3.** Pre- (2018) and Post-Project (2021 and 2022) 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 2021/December 2022
- 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 in progress and is scheduled for completion in early-2023. Construction is expected to begin in late 2023.

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 on this project. DRSCW has budgeted \$6,458,000 for 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

The permits listed below are required for the Fullersburg Dam Removal and Stream Restoration Project. Status as of March 16, 2023 is included.

- U.S. Army Corps of Engineers Individual Permit (LRC-2021-977)

- Application submittal pending. Public Notice closed on February 22, 2023.
- 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
  - EcoCat Request – Signoff received
  - Dam Removal Permit – Pending
  - Floodway Construction Permit
    - Delegated to DuPage County Stormwater
    - Application submittal pending
- Illinois Environmental Protection Agency
  - 401 Water Certification (C-0192-22) – Pending. Public Notice issued on March 16, 2023.
  - NPDES Permit for Construction (ILR10)
    - Notice of Intent – Will be submitted by contractor upon award
- Kane DuPage Soil and Water Conservation
  - Soil erosion and sediment control (SESC) review submittal – Pending
- DuPage County Stormwater Management Certification and Building Permit
  - Application submittal – Pending
- DuPage County Highway Access Permit
  - Application submittal – Pending

### 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 in 2022-2023 focused on coordination with permitting agencies and preparation of construction bid documents.

The project will require authorization under Section 404 of the Clean Water Act from the US Army Corps of Engineers (ACOE) for the proposed impacts to 2.19-acres of jurisdictional wetland/Waters of the U. S. In April 2022, an application for a Nationwide Permit 53 for low-head dam removal, Nationwide Permit 58 for the water intake for the raceway pumps, and a

Nationwide Permit 27 for the aquatic and riparian habitat restoration work was submitted to the ACOE. However, on August 4, 2022, the permit application was escalated to an Individual Permit (IP). The 30-day public notice for the IP was held from January 21, 2023 to February 22, 2023. It is expected that the Section 404 IP will be issued by May 2023.

Due to the elevation of the Section 404 Permit to an IP, a 401 Water Quality Certification from the Illinois Environmental Protection Agency (IEPA) will be required for the project. The request for the 401 Water Quality Certification was submitted in January 2023 and it is expected that the certification will be issued by mid-May 2023. The 401 Certification was posted for 30-day public notice on March 16, 2023.

The project will also require authorization from DuPage County under their Flood Plain and Stormwater Ordinance, Building Permit, and Department of Transportation programs. The initial permit applications were submitted to DuPage County in June and July 2022. Multiple meetings were held with DuPage County to address comments on the submittals during 2022 and 2023 and final permit applications were submitted in February of 2023. It is expected that permits from DuPage County will be issued by May 2023.

The Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) will lead the bid and award of the contract and provide construction oversight of the project. It is expected that the project will go to bid in June 2023 with construction to start in Fall of 2023.

#### 1.5.6 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.

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

- Special Conditions Listed Completion Date – December 2022
- Status — Construction was completed in 2022. Plugs, trees, and shrubs will be planted in May/June 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 Section I Stream Bank Stabilization. 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.

### 1.6.1. Site Description

The 2021 Annual Report provide 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. The additional plantings, including plugs, shrubs, and trees are required to be planted by May 31, 2023. Monitoring and management of the native plants will occur thru 2025.

Photographs of the Klein Creek Streambank Stabilization Project with detailed descriptions are provided in Plate 1 to Plate 11.

**Plate 1.** 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 thru an existing compensatory storage basin to save costs.



**Plate 2.** 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 3.** 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 4.** *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 5.** *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 6.** *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 7.** *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 back into the new channel on October 14, 2022.



**Plate 8.** *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 9.** 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 10.** 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 few hundred feet upstream of the first constructed meander.



**Plate 11.** 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.



#### 1.6.5. Project Impact Evaluation

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

#### 1.7 Southern East Branch Stream Enhancement

- Special Conditions Listed Completion Date – December 2023
- Status – Final Design/Construction is in progress and is scheduled for completion in 2022-2023.

The Southern East Branch Stream Enhancement Project is located on the East Branch DuPage River between Royce Road and Weber Road in the Villages of Bolingbrook and 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 Villages of Bolingbrook and Naperville, and the Bolingbrook and

Naperville Park Districts for this project (referred to collectively as the partners). The DRSCW has budgeted \$2,500,000 for 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 provide 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 is on hold until the federal funding is available to the DRSCW.

#### 1.7.5. Project Impact Evaluation

The 2021 Annual Report provide details on the pre-project monitoring conducted for the Lower East Branch DuPage River Stream Enhancement Project. Post-project monitoring will be conducted for three (3) consecutive years following the construction of the project.

### 1.8 Hammel Woods Dam Modification

- Special Conditions Listed Completion Date – December 2023
- 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

fIBI 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. Three (3) of the sites (LD07, LD36, and LD36A) are located upstream of the Hammel Woods dam location with LD36 and LD36A located within the former impoundment behind the dam. An additional site (LD06) located downstream of the dam was also monitored as part of the pre- and post-project monitoring. Historical biological (fish and macroinvertebrates) and habitat data is also available for LD06 and LD07 as these sites are included in the bioassessment program and were sampled in 2012, 2015, and 2018. The downstream site (LD07) serves as a control site that is typical of Lower DuPage River water quality and habitat and as representative of pre-restoration water quality conditions. Table 7 is a summary of pre- and post- project biological and habitat data collected at the Hammel Woods Dam Removal Project in 2012, 2015, 2018, 2019, 2021, and 2022. Figure 4 to Figure 6 depict the pre-project QHEI (Figure 4); mBI scores (Figure 5); and fIBI scores (Figure 6) for the Hammel Woods Dam Removal Project in 2012, 2015, 2018, 2019, 2021, and 2022. A map of sampling locations is included in Map 4.

Average fIBI scores upstream of the former dam location have increased from 38 to 45 and both sites (LD36 and LD36A) located in the dam's former impoundment are now meeting its designated aquatic life use for fish (fIBI  $\geq$ 41). Monitoring will resume in 2023.

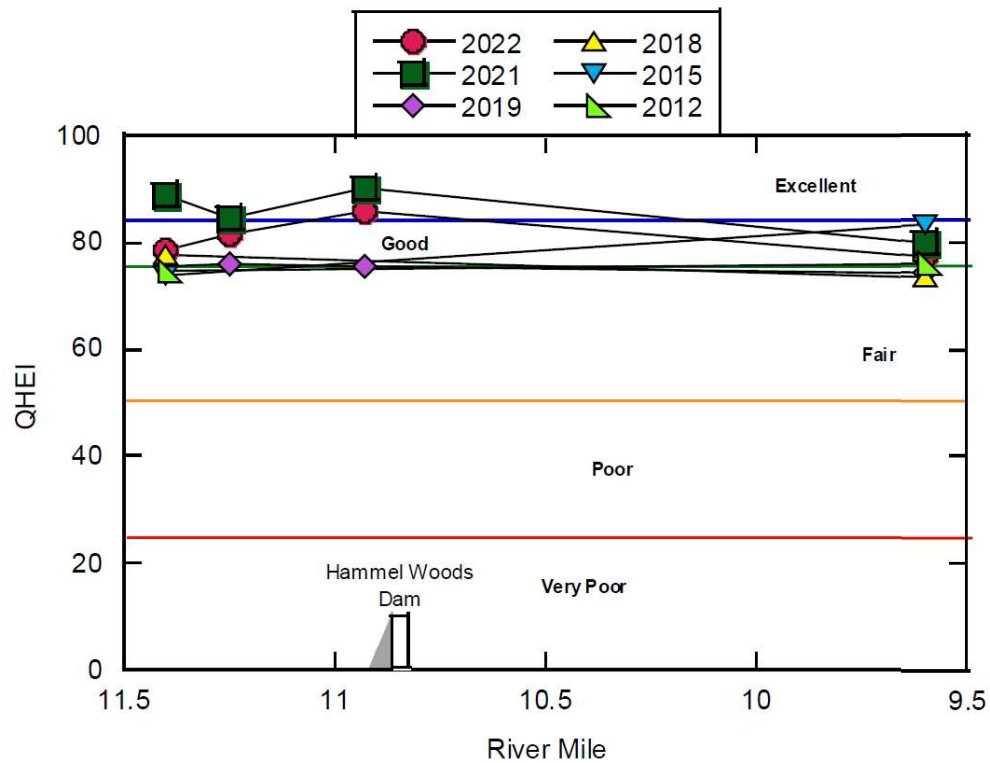
**Table 6.** Pre- (2012, 2015, 2018, and 2019) and Post-Project (2021 and 2022) Biological and Habitat Data collected at the Hammel Woods Dam Removal Project

Site ID	River Mile	Drainage Area (sq mi.)	fIBI	mIBI	QHEI	Attainment Status
<b>DuPage River 2022</b>						
LD07*	11.40	321.00	38*	45	78.8	PARTIAL
LD36A*	11.25	323.00	42	-	81.8	(FULL)
LD36*	10.93	323.00	48	-	85.8	(FULL)
LD06	9.60	323.20	36*	46.7	77.5	PARTIAL
<b>DuPage River 2021</b>						
LD07*	11.40	321.00	37*	47.6	88.8	PARTIAL
LD36A*	11.25	323.00	36*	-	84.8	(NON)
LD36*	10.93	323.00	41	-	90.3	(FULL)
LD06	9.60	323.20	41	46.7	80.0	FULL
<b>DuPage River 2019</b>						
LD07*	11.40	321.00	37*	46.2	75.8	PARTIAL
LD36A*	11.25	323.00	39*	-	76.0	(NON)
LD36*	10.93	323.00	38*	-	75.5	(NON)
LD06	9.60	323.20	40*	47.5	74.5	PARTIAL
<b>DuPage River 2018</b>						
LD07*	11.40	321.00	39.5*	54.8	78.0	PARTIAL
LD06	9.60	323.20	43.5	64.9	73.5	FULL
<b>DuPage River 2015</b>						
LD07*	11.40	321.00	36*	44.6	74.0	PARTIAL
LD06	9.60	323.20	39.5*	47.3	83.5	PARTIAL
<b>DuPage River 2012</b>						
LD07*	11.40	321.00	32.5*	46.7	75.0	PARTIAL
LD06	9.60	323.20	40.5	54.2	76.0	PARTIAL

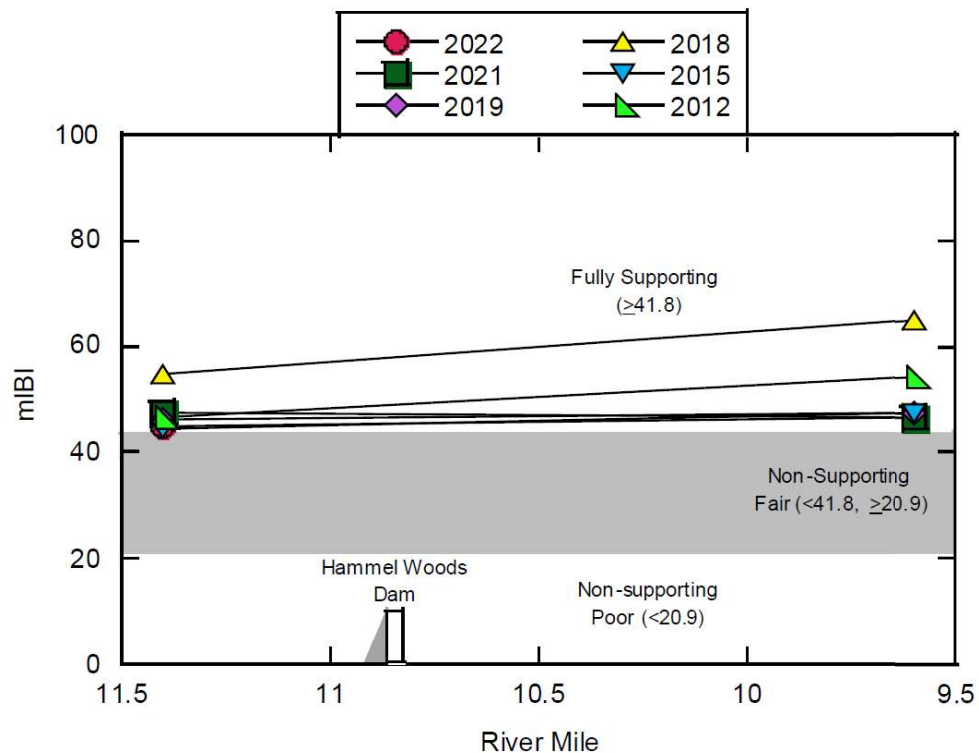
\*Site is located upstream of the former Hammel Woods dam.

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

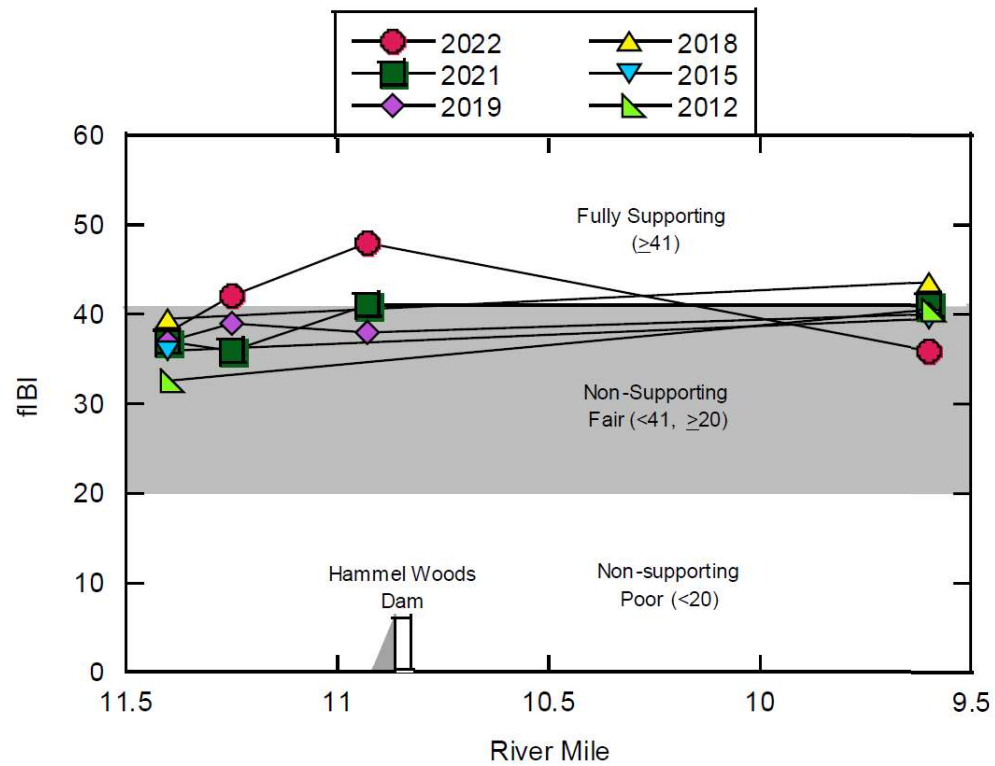
**Figure 4.** Pre- (2012, 2015, 2018, and 2019) and Post-Project (2021 and 2022) QHEI Scores at the Hammel Woods Dam Removal Project



**Figure 5.** Pre- (2012, 2015, 2018, and 2019) and Post-Project (2021 and 2022) mIBI Scores at the Hammel Woods Dam Removal Project



**Figure 6.** Pre- (2012, 2015, 2018, and 2019) and Post-Project (2021 and 2022) fIBI Scores at the Hammel Woods Dam Removal Project





**Map 4.** Pre- and Post-Project Monitoring Sites at the Hammel Woods Dam Removal Project

## 1.9 DuPage River Stream Enhancement

- Special Conditions Listed Completion Date – December 2023
- 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 \$2,740,000.00 for 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 Project Committee. Plate 12 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

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

### 1.9.4. Design Progress Report

In late 2021, the LDWRC 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.

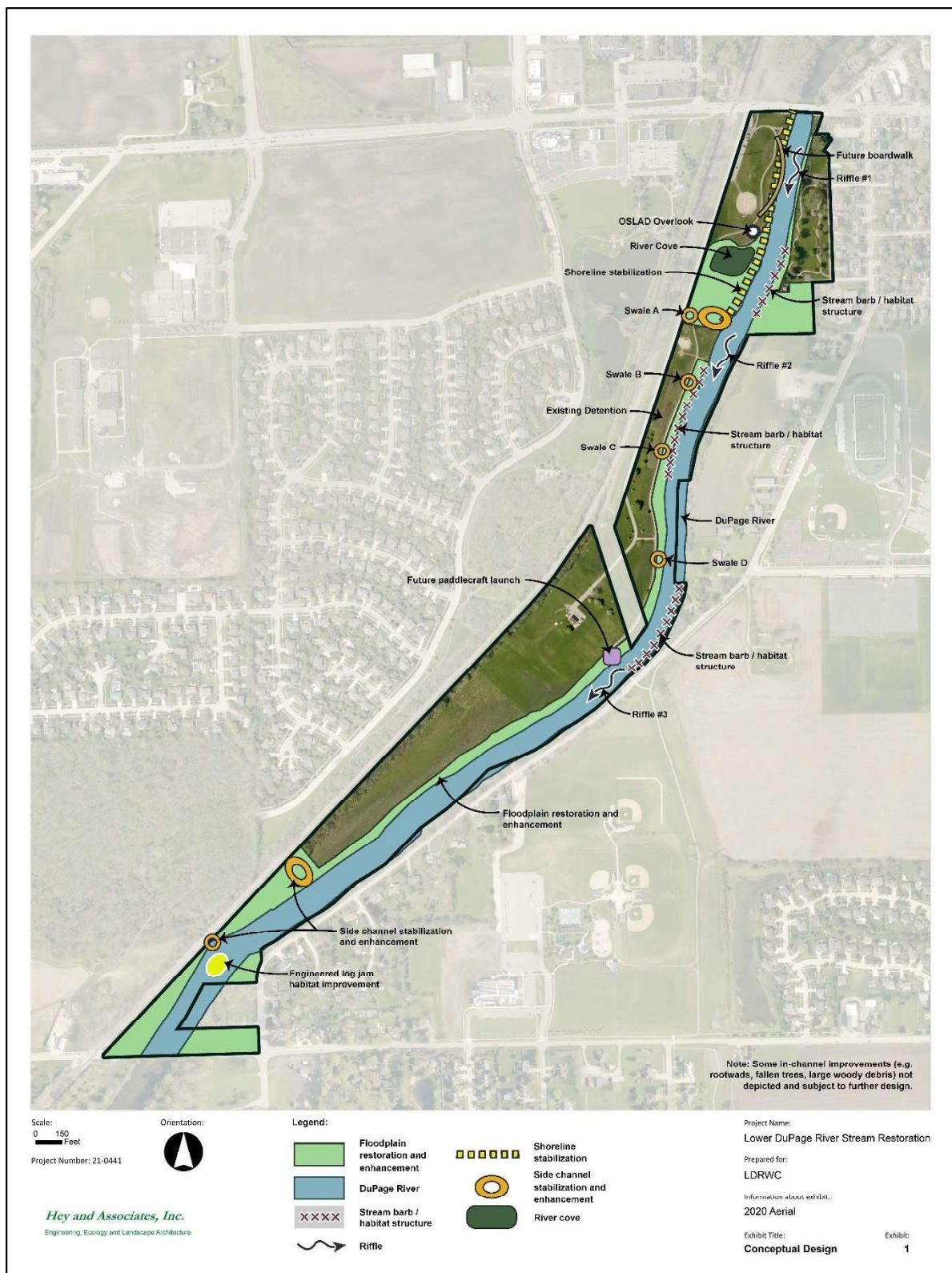


Plate 12. Concept Plan for the DuPage River Stream Enhancement

### 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 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 is ongoing.

### 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 is ongoing.

### 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
- Will-Cook Soil and Water Conservation District

Task 5 is scheduled to begin in 2023.

### 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 scheduled to begin 2023.

### 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. Two (2) of the sites (LD10A and LD10B) are located within the proposed project footprint. A site (LD10) located upstream of the project and a site (LD09) located downstream of the project were also monitored as part of the pre-project monitoring. Historical biological (fish and macroinvertebrates) and habitat data is also available for LD10 and LD09 as these sites are included in the bioassessment program and were sampled in 2012, 2015, 2018, and 2021. The upstream (LD10) and downstream (LD09) sites serve as control sites that are typical of Lower DuPage River water quality and habitat and as representative of pre-restoration water quality conditions. Table 8 is a summary of pre-project biological and habitat data collected at the DuPage River Stream Enhancement Project in 2012, 2015, 2018, 2021, and 2022. Figure 7 to Figure 9 depict the pre-project QHEI (Figure 7); mIBI scores (Figure 8) and fIBI scores (Figure 9) for the DuPage River Stream Enhancement Project in 2012, 2015, 2018, 2019, 2021, and 2022. A map of sampling locations is included in Map 5.

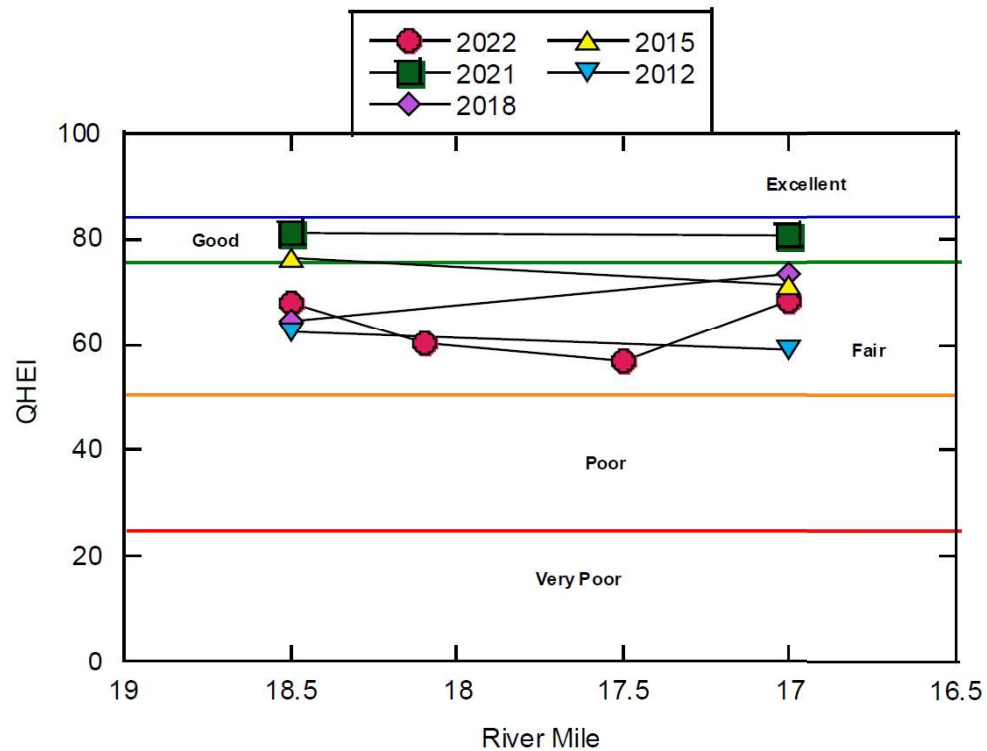
**Table 7. Pre-Project Biological and Habitat Data collected at the DuPage River Stream Enhancement Project in 2012, 2015, 2018, 2019, 2021, and 2022**

Site ID	River Mile	Drainage Area (sq mi.)	fIBI	mIBI	QHEI	Attainment Status
<b>DuPage River 2022</b>						
LD10	18.50	249.00	35*	44.8	67.8	PARTIAL
LD10A*	18.10	249.36	37*	36.4*	60.5	NON
LD10B*	17.50	250.07	44	54.0	57.0	FULL
LD09	17.00	250.00	35*	47.4	68.5	PARTIAL
<b>DuPage River 2021</b>						
LD10	18.50	249.00	31*	47.7	81.3	PARTIAL
LD10A*	18.10	249.36	No Data Collected			
LD10B*	17.50	250.07				
LD09	17.00	250.00	31*	25.3*	81.0	NON
<b>DuPage River 2018</b>						
LD10	18.50	249.00	38*	50.0	64.5	PARTIAL
LD10A*	18.10	249.36	No Data Collected			
LD10B*	17.50	250.07				
LD09	17.00	250.00	35*	49.3	73.5	PARTIAL
<b>DuPage River 2015</b>						
LD10	18.50	249.00	30*	42.5	76.5	PARTIAL
LD10A*	18.10	249.36	No Data Collected			
LD10B*	17.50	250.07				
LD09	17.00	250.00	27*	36.0*	71.5	NON
<b>DuPage River 2012</b>						
LD10	18.50	249.00	27*	37.5*	62.5	NON
LD10A*	18.10	249.36	No Data Collected			
LD10B*	17.50	250.07				
LD09	17.00	250.00	29*	39.8*	59.0	NON

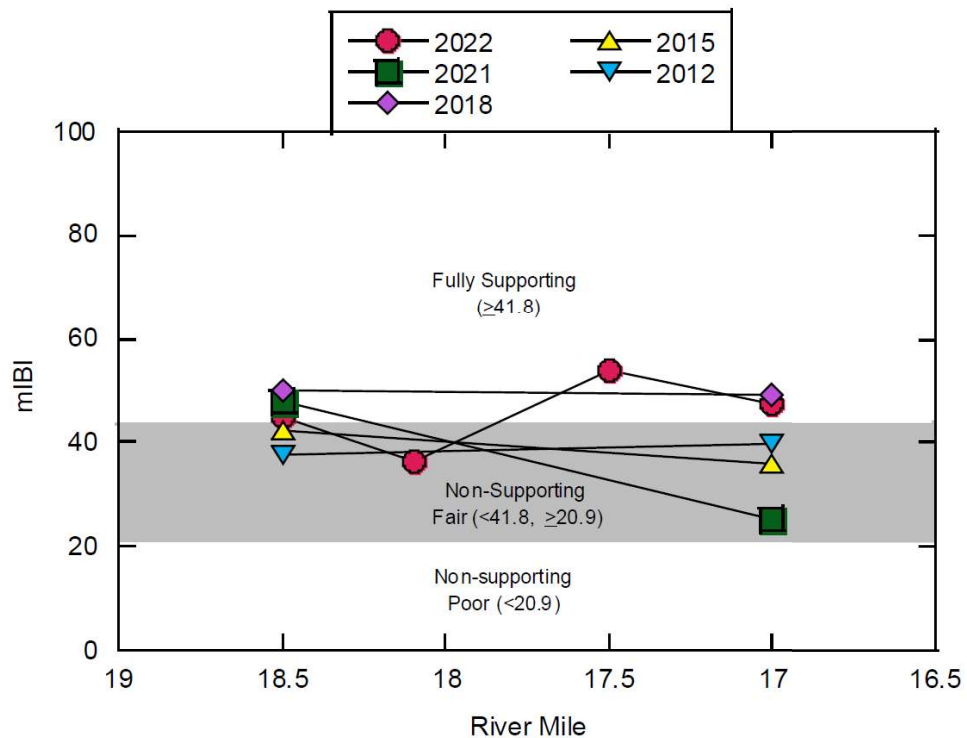
\*Sites are located within the proposed project footprint.

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

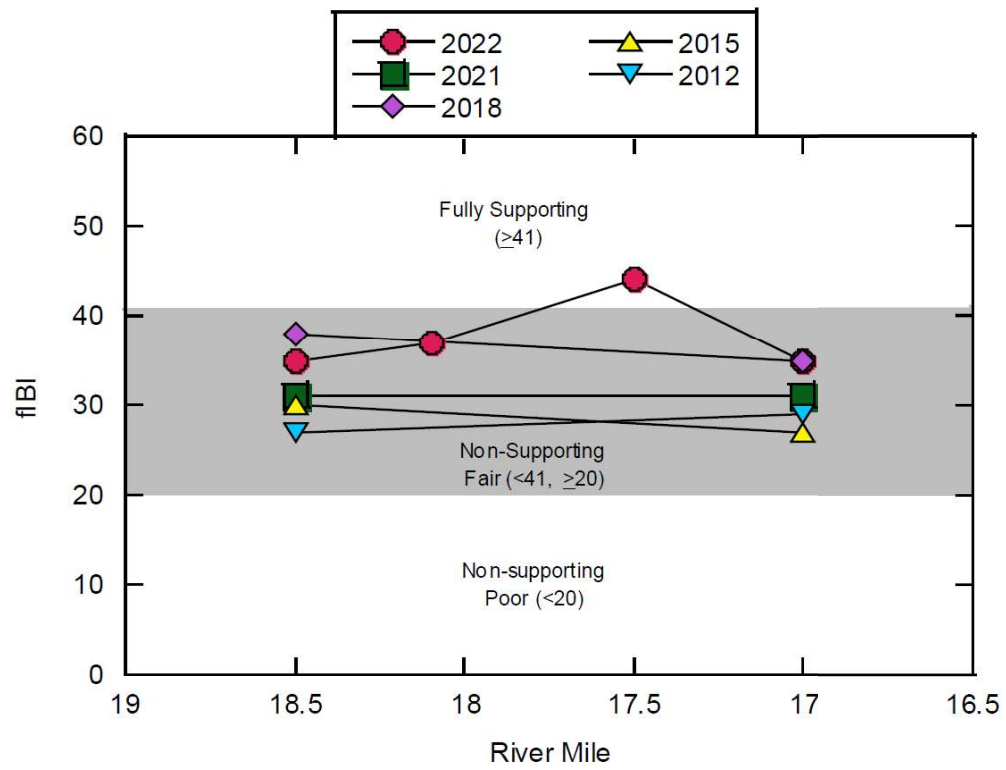
**Figure 7.** Pre-Project QHEI Scores at the DuPage River Stream Enhancement Project in 2012, 2015, 2018, 2019, 2021, and 2022



**Figure 8.** Pre-Project mIBI Scores at the DuPage River Stream Enhancement Project in 2012, 2015, 2018, 2019, 2021, and 2022



**Figure 9.** Pre-Project fIBI Scores at the DuPage River Stream Enhancement Project in 2012, 2015, 2018, 2019, 2021, and 2022





**Map 5.** Pre-Project Monitoring Sites at the DuPage River Stream Enhancement Project



## 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 2022-2023.

### 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 13).

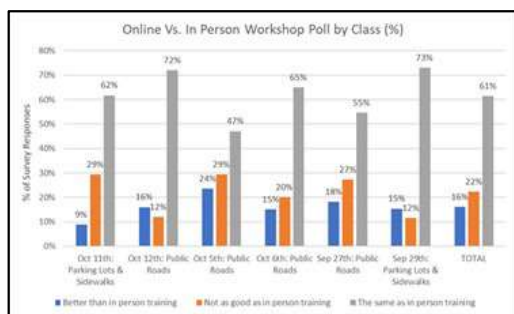
In 2022 the deicing workshops were held again as webinars. The workgroup staff for the DRSCW, LDRWC, Lower Des Plaines Watershed Group (LDWG), and Chicago Area Waterways Chloride Workgroup (CAWCW) collaborated with staff from Lake County DOT and Health Dept. to coordinate the workshops.

**Plate 13.** PowerPoint Slide from September 27, 2022 Public Roads Workshop



Registration was made available to agencies over a wide area of northeastern Illinois resulting in staff attending from Boone, Cook, DuPage, Kane, Lake, Will, and Winnebago counties, as well as Milwaukee, WI.

**Plate 14.** Online vs In-Person Workshop Poll



Public Roads Deicing Workshops were held on September 27, October 5, October 6, and October 12, 2022. Staff from Bolton-Menk, Inc. (formerly at Fortin Consulting, 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 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 644 persons attended the four 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 September 29 and October 11, 2022 with Bolton-Menk, Inc. presenting. The survey results indicated that there was a minimum of 262 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 (Plate 14). A link was sent to each registrant for the *Minnesota Pollution Control Agency Winter Parking Lot & Sidewalk Maintenance Manual*.

Additionally, during this reporting period, the LDRWC shared seasonal outreach materials for members to use in residential outreach efforts (Plate 15). 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 15.** Outreach Poster/Handout on Keeping Streets Clear For Snow Plows, 2022



## 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 2023.

### 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 PLOTS). 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 2023.

### 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.

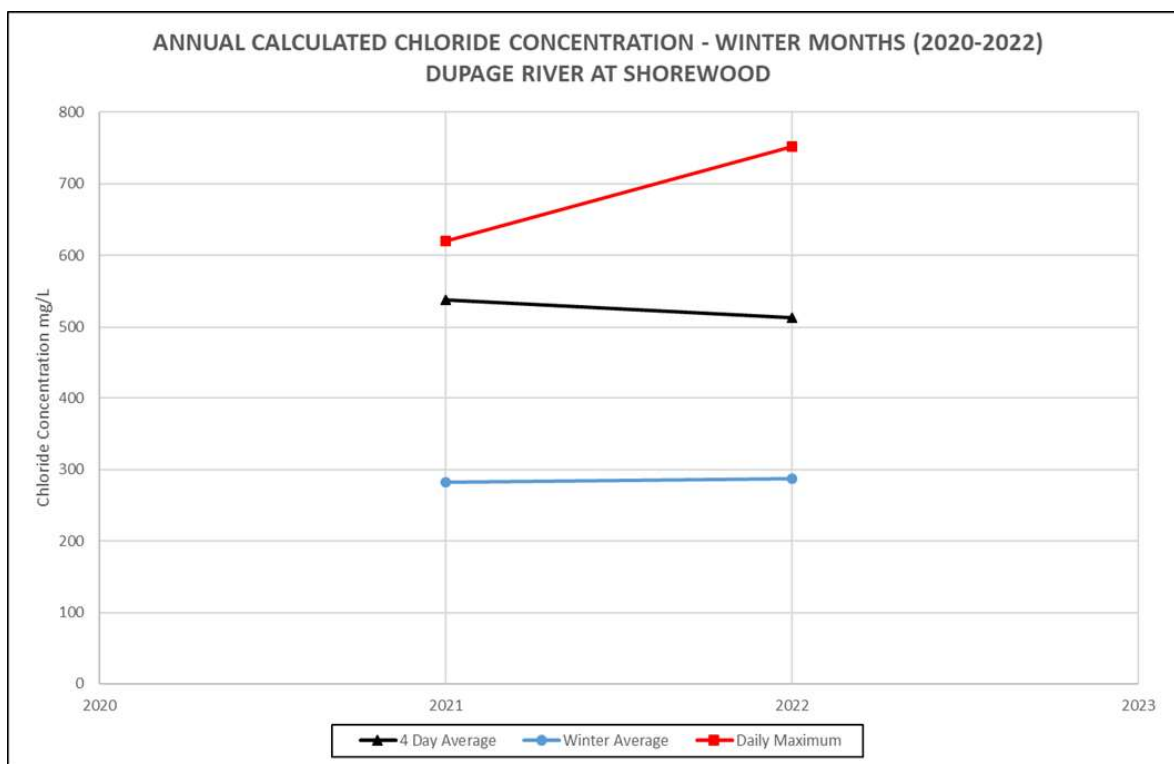
The upstream Salt Creek chloride site (Busse Woods) is at the upstream most point of the Lower Salt Creek watershed (this site isn’t placed further upstream as it was selected to measure DO upstream of the watersheds POTWs). MWRD did not conduct ambient winter conductivity monitoring at the Salt Creek 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 2022 are presented in Figure 10.

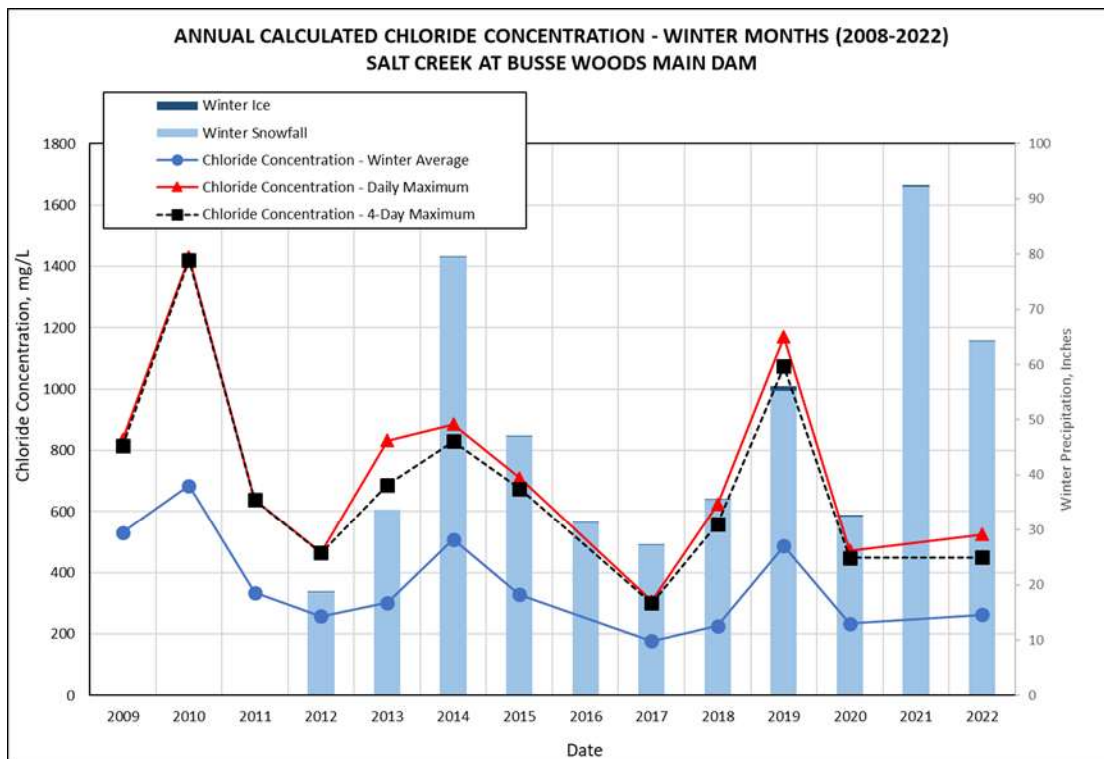
For the sites located within the DRSCW watersheds, conductivity concentrations are used to calculate chloride concentrations based on a linear relationship established by the DRSCW. Calculated Annual chloride concentrations for the winter months from 2007-2021 for six (6)

sites are depicted in Figure 11 to Figure 16, 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. The weather data for the Naperville site on the southern West Branch has not yet been extracted and will be on the future graphics.

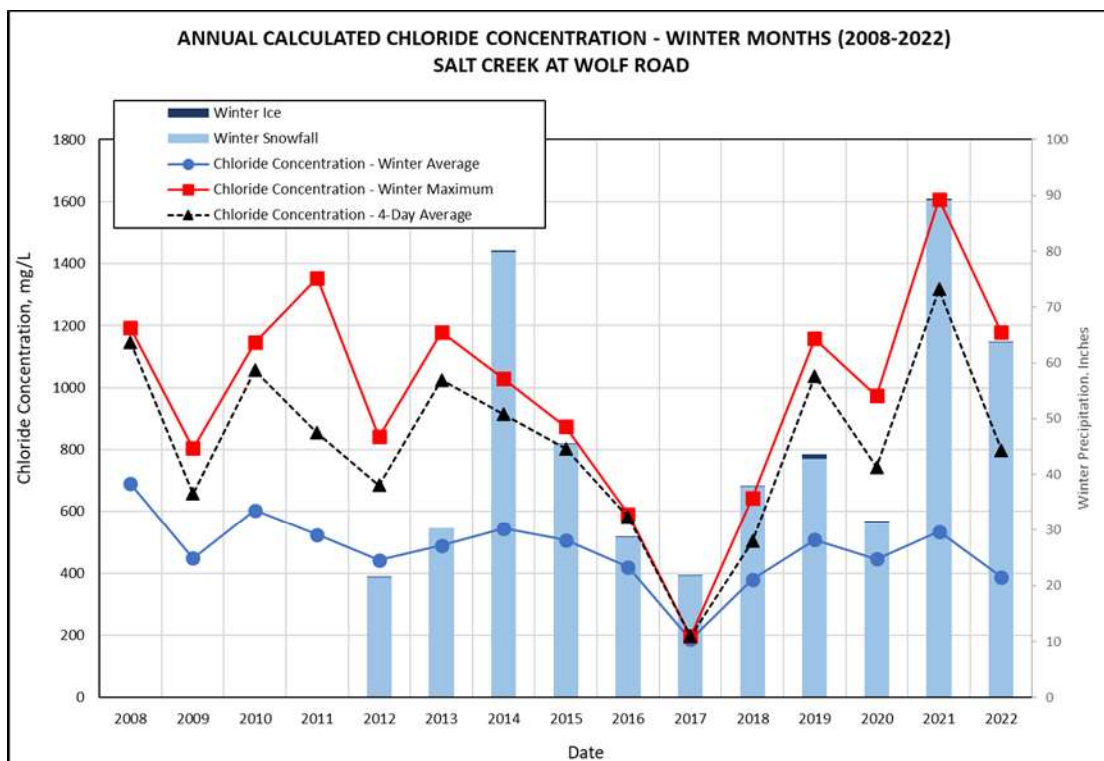
**Figure 10.** *Calculated Chloride Concentrations - Winter Months (2020-2022) for the Lower DuPage River at Shorewood*



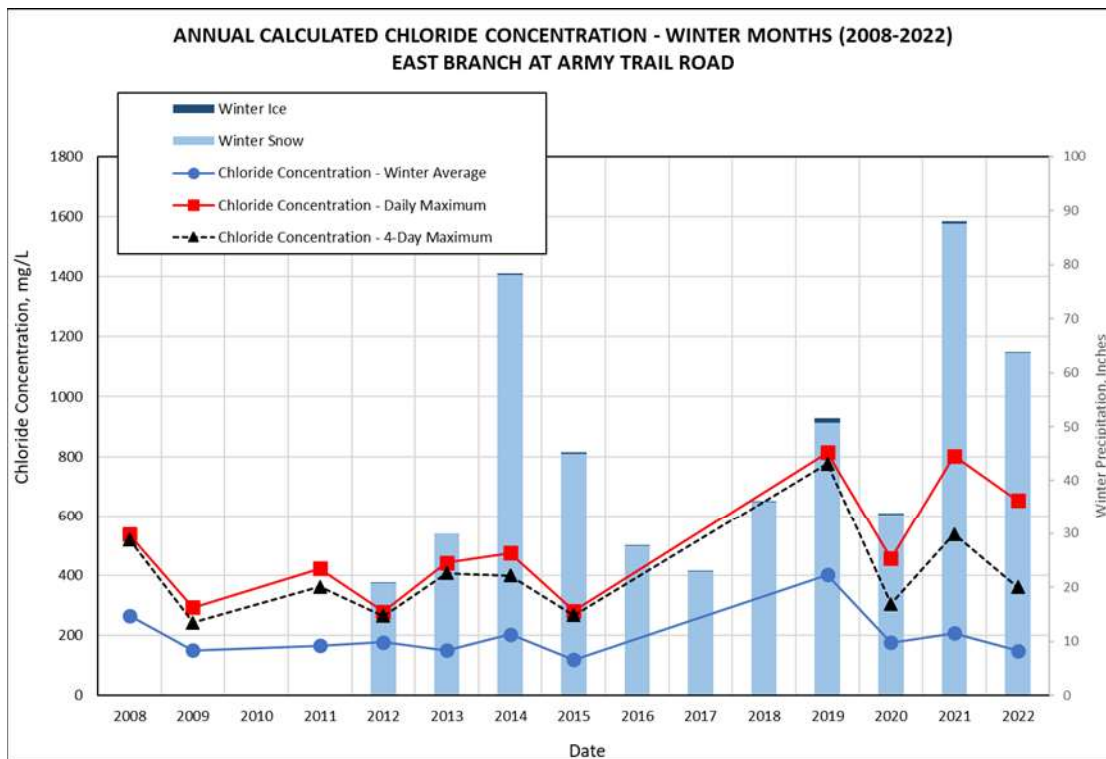
**Figure 11.** Calculated Chloride Concentrations - Winter Months (2007-2022) for Salt Creek at Busse Woods Main Dam. Data was not collected in 2021.



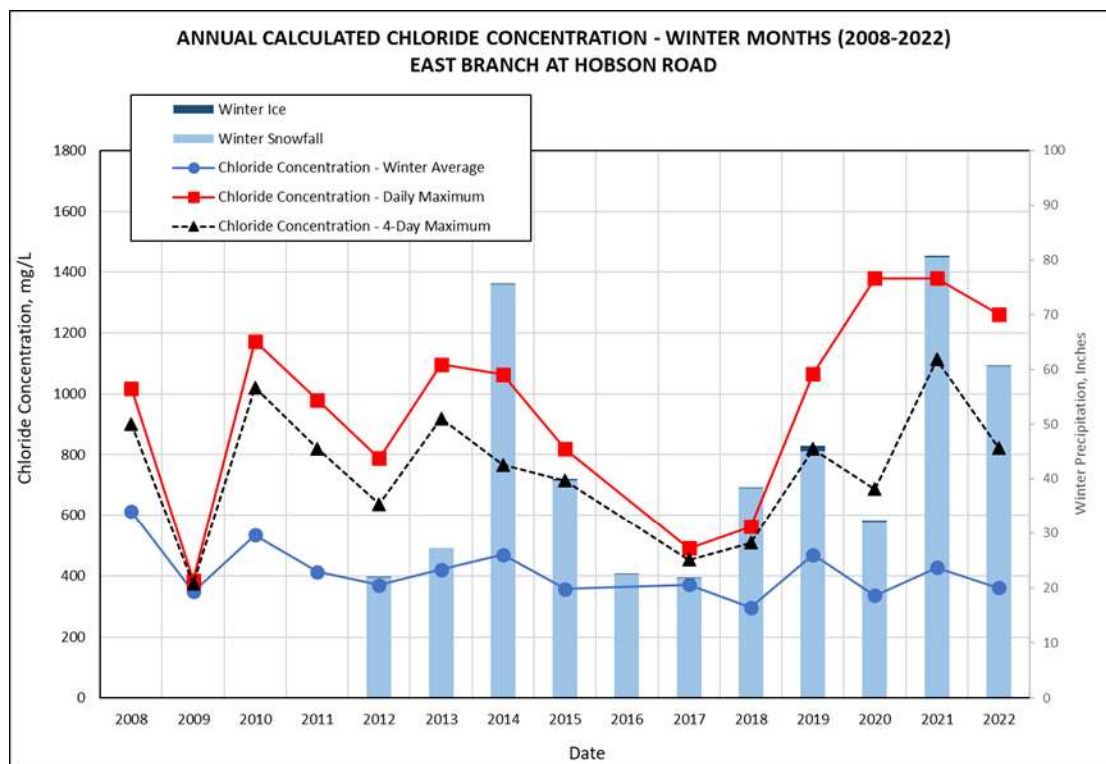
**Figure 12.** Calculated Chloride Concentrations - Winter Months (2007-2022) for Salt Creek at Wolf Road



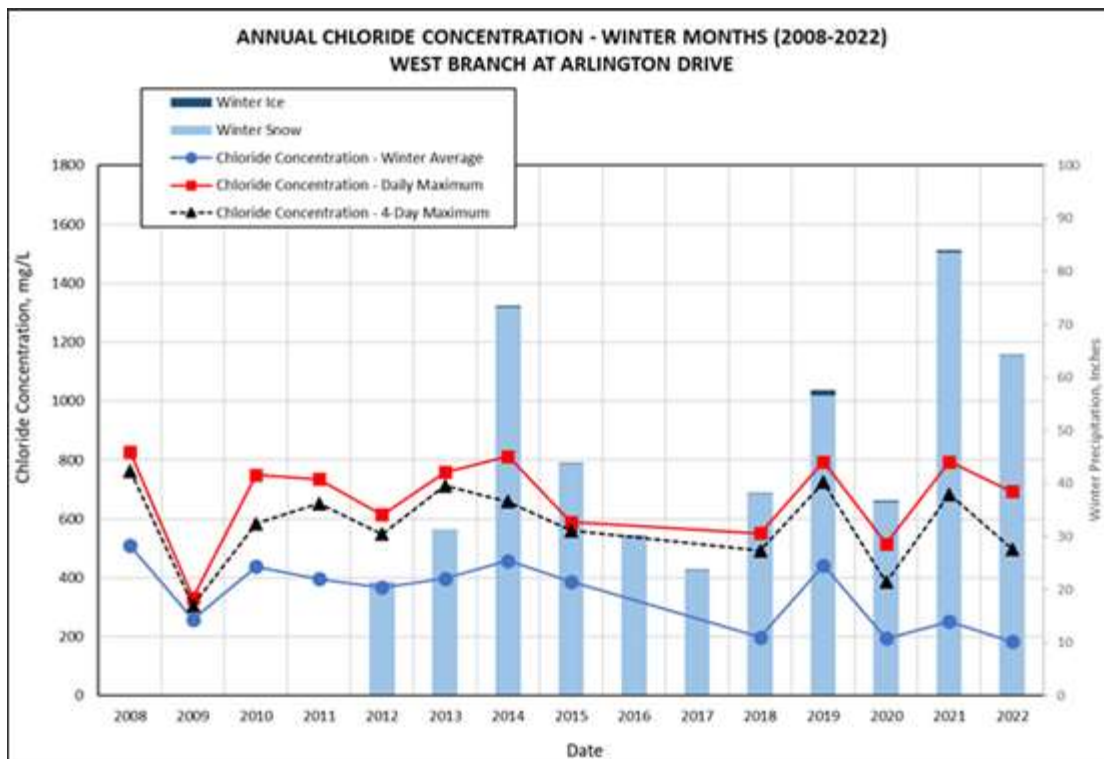
**Figure 13.** Calculated Chloride Concentrations - Winter Months (2007-2022) for the East Branch DuPage River at Army Trail Road



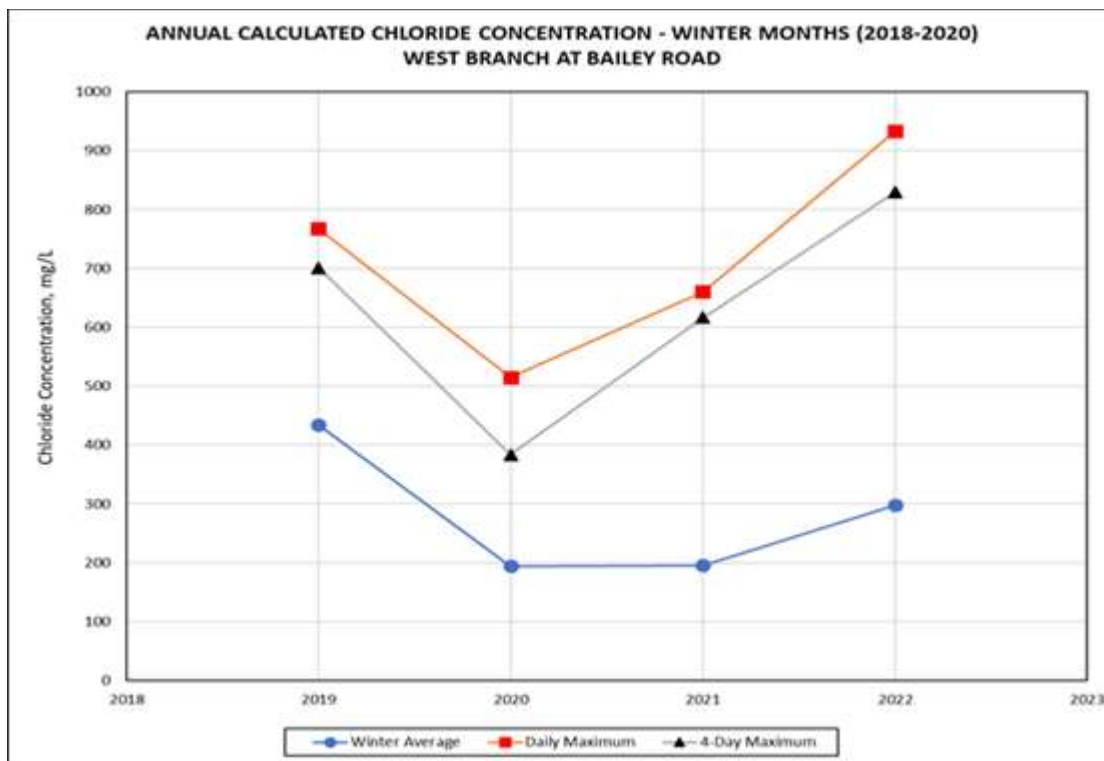
**Figure 14.** Calculated Chloride Concentrations - Winter Months (2008-2022) for the East Branch DuPage River at Hobson Road



**Figure 15.** Calculated Chloride Concentrations - Winter Months (2007-2022) for the West Branch DuPage River at Arlington Drive



**Figure 16.** Calculated Chloride Concentrations - Winter Months (2018-2022) 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 following section summarizes the DRSCW and LDRWC work on the studies in 2022-2023.

### 3.1 IPS Model/Project Identification Study

- Special Conditions Listed Completion Date – Complete
- Status – Staff is still amending final report and database for release. The methodology, results, database, and a user manual all exist in draft final form and are under review. It is expected the final documentation will be completed in early 2023.

The IPS Model/Project Identification Study is a collaboration between the DRSCW, LDRWC, Des Plaines River Watershed Workgroup (DRWW), North Branch Watershed Workgroup (NBWW), Lower Des Plaines River Watershed Group (LDWG), and Midwest Biodiversity Institute (MBI).

#### 3.1.1 Background on the IPS Model

The development of the IPS was completed in 2018. The 2019 – 2021 Annual Reports provide detailed descriptions on the IPS Model's inputs, set-up, and outputs.

#### 3.1.2. Next Steps in IPS Modeling

The consortium of watershed workgroups is currently completing the following steps:

- Continue reviewing and testing the Power BI database and interface
- Review of nutrient outputs and thresholds with members and IEPA
- Finalize reviewing the results and editing the user manual and model narrative
- Incorporating final results into ongoing programs (NIP, physical projects, permit planning)
- Final review of the updated list of priority projects

The results of these efforts will be included in the Nutrient Implementation Plan due to the IEPA on December 31, 2023.

### 3.2 QUAL2Kw Updated for East Branch and Salt Creek

- Special Conditions Listed Completion Date – December 2023

- Status – On-going. All models have been calibrated and validated. Additionally, sensitivity analysis has been performed on all four (4) models. Model scenario runs are on-going.

The DRSCW originally budgeted \$183,000 for this effort. Additionally, the LDRWC budgeted \$68,000 for this effort. In 2022, the DRSCW authorized two (2) contract extensions totaling \$30,000 bringing the total project budget to \$281,000. The additional monies will be utilized for additional scenario analysis. All contract work is anticipated to be completed by October 31, 2023. Note: The Special Conditions Permit language only requires the update of the existing QUAL2K models for Salt Creek and the East Branch DuPage River. The DRSCW and LDRWC have decided to pursue similar models for the West Branch DuPage River and Lower DuPage River to assist with the development of the NIP.

### 3.2.1. Data Collection

#### 3.2.1.1. *Continuous Dissolved Oxygen (DO) Sonde Network*

In 2022-23, the DRSCW gathered continuous DO data via water quality sondes at four (4) sites on Salt Creek, five (5) sites on the East Branch DuPage River, and five (5) sites on the West Branch DuPage River that will be utilized in the calibration and verification of the updated QUAL2Kw models. The Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) also monitors one (1) additional locations on Salt Creek. Additionally, the LDWRC maintained a sonde network of five (5) sondes on the Lower DuPage River. All sondes are deployed from May through October and collected DO, temperature, conductivity, and pH on an hourly basis.

In the winter of 2022-23, the DRSCW and LDWRC extended the continuous DO monitoring to year round monitoring at all sites where the sonde is placed in a casing that is bridge-mounted. This includes two (2) sites on each of the four mainstem rivers: Salt Creek, East Branch DuPage River, West Branch DuPage River, and Lower DuPage River.

#### 3.2.1.2. *Expanded Dissolved Oxygen Monitoring Program*

In 2019, the DRSCW and LDWRC began their expanded DO Monitoring Program as a means to collect additional data to support the calibration/validation of the QUAL2Kw models and to support the development of the NIP. This program is coordinated with the Bioassessment Program (see Table 8 for schedule). As no bioassessment sampling was completed in the Summer of 2022, no Expanded DO sampling was completed in 2022.

Details on the Expanded DO Monitoring Program, including the sampling methodology and parameters sampled, were included in the 2021 Annual Report. The results of the Expanded DO monitoring program will be included in the Nutrient Implementation Plan due to the IEPA on December 31, 2023.

**Table 8. Schedule for Expanded DO Monitoring**

<b>Basin</b>	<b>Year of Expanded DO Monitoring</b>
East Branch DuPage River	2019
West Branch DuPage River	2020
Salt Creek	2021
Lower DuPage River	2021

### 3.2.2. QUAL2Kw Modeling

In November 2019, the DRSCW and LDRWC entered into a contract with Tetra Tech to update the existing QUAL2K models for the East Branch DuPage River and Salt Creek and to prepare water quality models for the West Branch DuPage River and the Lower DuPage River. The water quality model selected for all four (4) watersheds was QUAL2Kw. The suite of QUAL models (most recently QUAL2K and QUAL2Kw) is a well-established modeling framework that is appropriate for steady-state (with diel variability) representation of critical condition DO and algal responses in flowing streams and run-of-river impoundments. The QUAL2Kw model improves upon the QUAL2K model in several ways, such as including hyporheic and surface transient storage zones and kinetics, variable options related to simulating sediment diagenesis, enhanced phytoplankton and bottom algae simulation and parameterization, options for a continuous dynamic modeling periods, and the built-in feature for automatic calibration using an algorithm for parameter optimization 1. However, unlike QUAL2K, QUAL2Kw does not allow for multiple headwaters or branching. Transitioning an existing steady state QUAL2K model into the dynamic continuous QUAL2Kw environment would allow for more accurate simulation of existing conditions throughout the DuPage River and Salt Creek watersheds.

#### Task 1: Review of Existing and Identification of Data Needs

Task 1 was completed for all four (4) watersheds in 2020. The 2020 Annual Report includes a summary of the findings of Task 1.

#### Task 2A: Model Re-Calibration/Re-Validation for Salt Creek and East Branch DuPage River

Task 2A was completed for the Salt Creek and East Branch DuPage River QUAL2Kw models in 2020. The 2020 Annual Report includes a summary of the calibration and validation of these two (2) models. The final QUAL2Kw Modeling Reports for both watersheds can be found at <https://drscw.org/activities/project-identification-and-prioritization-system/>.

#### Task 2B: Model Calibration/Validation for the West Branch DuPage River and Lower DuPage River

Task 2B was completed for the West Branch DuPage River and Lower DuPage River QUAL2Kw models in 2021. The final QUAL2Kw Modeling Reports for both watersheds can be found at <https://drscw.org/activities/project-identification-and-prioritization-system/>.

### Task 3: Sensitivity Analysis

Task 3 was completed for the Salt Creek and East Branch DuPage River QUAL2Kw models in 2020 and the West Branch DuPage River and Lower DuPage River QUAL2Kw models in 2021. Details on the sensitivity analysis for each of the models can be found in the final QUAL2K Modeling Reports at <https://drscw.org/activities/project-identification-and-prioritization-system/>.

### Task 4: Model Scenarios

Scenarios analysis is ongoing. Details on the scenario analysis as well as results will be included in the Nutrient Implementation Plan due to the IEPA on December 31, 2023.

## 3.3 NPS Phosphorus Feasibility Analysis

- Special Conditions Listed Completion Date – December 31, 2021
- Status – Complete. The NPS Phosphorus Reduction Feasibility Analysis Report was submitted to the IEPA on December 24, 2021.

### 3.3.1. Consultant Roundtable

Details on the 2018 Consultant Roundtable were included in the 2019 Annual Report.

### 3.3.2. Evaluation of Leaf Removal as a Means to Reduce Nutrient Concentrations and Loads in Urban Stormwater (USGS)

Details on the work conducted by William Selbig with the United States Geological Survey (USGS) and sponsored by the DRSCW were included in the 2019 Annual Report.

### 3.3.3. NPS Phosphorus Reduction Feasibility Analysis Report

Details on the NPS Phosphorus Reduction Feasibility Analysis Report were included in the 2021 Annual Report. The NPS Phosphorus Reduction Feasibility Analysis Report can be found at <https://drscw.org/activities/project-identification-and-prioritization-system/>.

## 3.4 Development of a Basin Wide Nutrient Trading Program

The development of a basin wide nutrient trading program for the DRSCW and LDRWC watersheds has been suspended indefinitely. Details on all work efforts on the development of a basin wide nutrient trading program have been included in the 2017-2021 Annual Reports.

## 3.5 NIP Related Items

### 3.5.1 Chlorophyll a Sampling

The DRSCW bioassessment program began in 2007 with sampling in the West Branch DuPage River, East Branch DuPage River and Salt Creek watersheds. From 2006-2016, each watershed was sampled on a 3-year rotation beginning with the West Branch DuPage River watershed in 2006. Beginning in 2017, the watersheds will be sampled in a 4-year rotation to allow time for

the report writing and program assessment. The LDRWC began in 2012 and is sampled every 3-years.

The DRSCW and LDRWC bioassessment program utilizes standardized biological, chemical, and physical monitoring and assessment techniques employed to meet three major objectives:

- 1) determine the extent to which biological assemblages are impaired (using IEPA guidelines)
- 2) determine the categorical stressors and sources that are associated with those impairments; and
- 3) add to the broader databases for the DuPage River and Salt Creek watersheds to track and understand changes through time in response to abatement actions or other influences

The data collected as part of the bioassessment is processed, evaluated, and synthesized as a biological and water quality assessment of aquatic life use status. The assessments are directly comparable to previously conducted bioassessments such that trends in status can be examined and causes and sources of impairment can be confirmed, amended, or removed. A final report is prepared following each bioassessment and contains a summary of major findings and recommendations for future monitoring, follow-up investigations, and any immediate actions that are needed to resolve readily diagnosed impairments. The bioassessment reports are posted on the DRSCW website at <https://drscw.org/activities/bioassessment/>. Data obtained from the bioassessments are a key source of data for all NIP projects discussed in Chapter 3.

In 2019, the DRSCW expanded its chemical monitoring to include sestonic chlorophyll a sampling beginning with the East Branch DuPage River in 2019. The West Branch DuPage River was sampled in 2020. Salt Creek and the Lower DuPage River watersheds were sampled in 2021. Sampling of sestonic chlorophyll a will continue to be included in all future bioassessment sampling efforts.



# **ATTACHMENT 1**

**DRSCW Special Condition**

**DuPage/Salt Creek Special Condition XX.**

1. 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.
2. The Permittee shall ensure that the following projects and activities set out in the DRSCW Implementation Plan (April 16, 2015), are completed (either by the permittee or through the DRSCW) by the schedule 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	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
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

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. 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. 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 to prepare a single annual progress report that is common among DRSCW 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 to prepare a single annual progress report that is common among DRSCW 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 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 watersheds, providing for reallocation of allowed phosphorus loadings between two or more POTWs in the DRSCW 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 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 permittees. The NIP shall be submitted to the Agency by December 31, 2023.



## **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.



# Illinois Environmental Protection Agency

Bureau of Water • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Sanitary Sewer Overflow or Bypass Notification Summary Report

- Within 24 hours of the occurrence, notify the Illinois EPA regional wastewater staff by telephone, FAX, email or voice mail, if staff are unavailable.
- Within 5 days of the occurrence, provide a written report describing the overflow or bypass, including all information requested on this form. The permittee is required to submit this form or other equivalent written notification to the Illinois EPA at:

Bureau of Water/Compliance Assurance Section - MC #19  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, IL 62794-9276

NOTE: You may complete this form online, save a copy locally, print, sign and submit it to the BOW/CAS MC #19, at the above address. You may also print the form before completing it by hand, signing and submitting it.

Failure to notify the Illinois EPA as specified may result in fines up to \$10,000 for each day of violation.

Instructions: Use this form to report all unscheduled sanitary sewer overflow or bypass occurrences. Attach additional information as necessary to explain or document the overflow or bypass. For the purpose of this report, an overflow or bypass is defined as the discharge of untreated sewage from the sanitary sewer collection system to a surface water and/or ground due to circumstances such as those identified by the check boxes in the overflow or bypass details section of this form.

Use one form per occurrence. A single occurrence may be more than one day if the circumstances causing the overflow or bypass results in a discharge duration of more than 24 hours. If there is a stop and restart of the overflow or bypass within 24 hours, but it is caused by the same circumstances, report it as one occurrence. If the discharges are separated by more than 24 hours, they should be reported as separate occurrences.

### 24 Hour Notification Information

Permittee (Municipality or Facility Name): Downers Grove Sanitary District	Permit Number: IL0028380	Person Representing Permittee Who Contacted IEPA: Amy R. Underwood
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Date: 04-04-23	Time: 11:49	AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	IEPA Office Contacted: Des Plaines	Name of IEPA Employee Contacted: Jay Patel, Linda Wong
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### Sanitary Sewer Overflow or Bypass Details

Date and Duration of Overflow or Bypass Occurrence (complete a separate form for each occurrence):

Start Date: 04-04-23	Time: 3:48	AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>	Duration of the overflow or bypass (hours and minutes): 1 hr (estimated)
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Estimated Volume of  
Wastewater  
Discharged  
(gallons):

WWTP Flow During bypass (report in  
MGD): Not applicable for a collection  
system SSO.

50

Location of the Overflow or Bypass:

4221 Saratoga Avenue, Downers Grove, IL

### Circumstances Causing the Overflow or Bypass (check all that apply)

WPC 733  
11/2011

<input type="checkbox"/> Rain	<input type="checkbox"/> Power Outage	<input type="checkbox"/> Equipment Failure	<input checked="" type="checkbox"/> Other (explain below)
<input type="checkbox"/> Snow Melt	<input type="checkbox"/> Broken Sewer	<input type="checkbox"/> Widespread Flooding	

Provide a narrative description to further explain why the overflow or bypass occurred. For example, describe what equipment failed. What caused the power outage, or what plugged the sewer. Flooding should only be indicated, as a cause if there is significant flooding that is caused by high river, stream, or lake water levels, not just localized high water in the street.

The overflow occurred during wet weather. The cause was root blockage in the public main.

**Wet Weather (if applicable)**

Date(s) and Duration of Rainfall:

Start Date:	Time:	AM PM	End Date:	Time:	AM PM	Amount of Rainfall (inches)	Amount of Snow Melt (inches)
04-04-23	2:00	<input checked="" type="checkbox"/> <input type="checkbox"/>	04-04-23	10:00	<input type="checkbox"/> <input checked="" type="checkbox"/>	0.60	

Contributing Soil Conditions (saturated, frozen, soil type)

**Where Did the Discharge from the Overflow or Bypass Go? (check all that apply)**

Provide the name of the local receiving water that the wastewater enters, which could be a nearby stream, river, lake, or wetland. If discharge does not enter directly into surface water, but indirectly by way of a ditch or storm sewer, trace the path of the ditch or storm sewer to find the receiving water.

- ☒ Runs on ground and absorbs into the soil
- ☐ Ditch: Name of surface water it drains to: \_\_\_\_\_
- ☐ Storm Sewer: Name of surface water it drains to: \_\_\_\_\_
- ☐ Surface water direct discharge: \_\_\_\_\_
- ☐ Basement Back-ups, (Number & use (i.e.residential, commercial) of buildings affected): \_\_\_\_\_
- ☐ Other, describe: \_\_\_\_\_

**Actions to Correct This Occurrence and Prevent Future Overflows or Bypasses**

Describe what actions were taken to minimize the volume of wastewater discharged from the overflow or bypass reported on this form. Also describe what actions are planned to prevent or minimize future overflows or bypasses. Illinois law and NPDES permits prohibit overflows or bypasses, unless certain specified conditions are met. Sanitary sewer overflows and bypasses may be the subject of enforcement action.

The public main was jetted and the roots were cut to relieve the sewer blockage. Debris was cleaned up, and surface was washed down thoroughly. Televising is scheduled to determine sewer condition and need for repair or increase in maintenance frequency.

**Report Completed By**

Contact Person: Amy R. Underwood  
Street Address: 2710 Curtiss Street  
PO Box: 1412  
City: Downers Grove State: IL  
Zip Code: 60515 Phone: 630-969-0664  
County: DuPage

**Authorized Representative Contact Information**

Contact Person: Amy R. Underwood  
Title: General Manager  
Street Address: 2710 Curtiss Street  
PO Box: 1412  
City: Downers Grove State: IL  
Zip Code: 60515 Phone: 630-969-0664  
County: DuPage

**Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))**

Authorized Representative Name (Print)

Amy R. Underwood

Title

General Manager



Authorized Representative Signature

04/05/2023

Date