DOWNERS GROVE SANITARY DISTRICT
GENERAL MANAGER'S REPORT
April 11, 2025

April Board Meeting

Copies of documentation for the following agenda items are enclosed for the April 15, 2025, meeting:

1) Proposed Agenda
2) Minutes of March 18, 2025, regular meeting
3) Change Order No. 1 Outfall Sewer Sag Repair
4) Change Order No. 1 Centex Lift Station Replacement
5) Claim Ordinance 1948
6) Memo regarding Group Insurance Coverage Renewal
7) Memo regarding the 2025 Annual Newsletter
8) Memo regarding Wroble Force Main Replacement Contract Award
9) Memo regarding 2025 Digester 1 Cleaning Contract Award
10) Progress Report on Facility Plan

BOLI Meeting

A BOLI meeting is scheduled for 6:45 pm on April 15, 2025. The meeting will be at the District Admin Center in the Board Room. The packet for that meeting is enclosed.

Operations Reports

Copies of the following are enclosed for March operations:

1) Progress Report from Carly on Administrative Services activities.
2) The WWTC Operations Report from Marc.
3) The WWTC/Lift Station Maintenance Report from Nick.
4) Progress Report from Todd on Sewer System Maintenance activities.
5) Progress Report from Keith on Sewer System Construction and Code Enforcement activities.
6) Progress Report from Reese on Laboratory activities.
7) Engineering Report

Safety

The Safety Committee met on March 31 and closed two safety reports. One report was for a loose concrete pad outside of the lab and the other was for an ice hazard under an exhaust vent on the sidewalk outside of the ops station.

Financial

A copy of the Investment Schedule as of March 31, 2025, is enclosed.

The Treasurer's Report for March 2025 covering the first eleven months of FY 25-26 is included herein, along with a summary cover memo.

Meetings

I attended the following meetings since the March 14, 2025, General Manager's report:

- March 17 – Downers Grove Village Administrator's lunch
- March 18 – Rich Township High School WWTC tour. Brian and Nick W also attended.
- April 4 – IAWA Legislative Committee meeting
- April 7 – IAWA Executive Committee meeting
- April 10 - DRSCW Executive Committee meeting at our offices. Larry also attended.
- April 10 – Annual meeting with ComEd account representative. Nick W and Michelle also attended.
- April 11 – DGEDC Board of Directors meeting

Miscellaneous

Copies of the following items are enclosed:

1) March 2025 DGSD WWTC wastewater reports of SARS-CoV-2, influenza A & B and RSV levels
2) General Manager's Report to the Employees dated March 21 and April 4
3) DRSCW/LDRWC 2024 DuPage River/Salt Creek Special Conditions Report. (This was submitted to IEPA on our behalf, as required by our NDPES permit.)

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

DOWNERS GROVE SANITARY DISTRICT
BOARD OF TRUSTEES MEETING
APRIL 15, 2025 – 7:00 PM
BOARD ROOM

PROPOSED AGENDA

I. APPROVAL OF MINUTES
   A. REGULAR MEETING – MARCH 18, 2025

II. APPROVAL OF CHANGE ORDERS
   A. OUTFALL SEWER SAG REPAIR
   B. CENTEX LIFT STATION REPLACEMENT

III. APPROVAL OF CLAIM ORDINANCE NO. 1948

IV. PUBLIC COMMENT

V. OLD BUSINESS

VI. NEW BUSINESS
   A. INSURANCE – EMPLOYEE GROUP COVERAGE
   B. ANNUAL NEWSLETTER REVIEW
   C. CONTRACT AWARDS
      1. WROBLE FORCE MAIN REPLACEMENT
      2. 2025 DIGESTER 1 CLEANING

VII. FACILITY PLAN UPDATE

VIII. BOARD PACKET QUESTIONS AND COMMENTS
   A. MAINTENANCE – CHP UPDATE

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 15, 2025. The form can be found here: https://www.dgsd.org/government/public-comment/

March 18, 2025

MINUTES

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, March 18, 2025, convening at 7:00 p.m. The meeting was held at the District's Administration Center, 2710 Curtiss Street, Downers Grove. Present were Trustees Amy E. Sejnost, Jeremy M. Wang, and Mark Eddington, General Manager Amy R. Underwood, Administrative Supervisor Carly S. Shaw, Sewer Construction Supervisor Keith W. Shaffner, Information Coordinator Alyssa J. Caballero and Attorney Dan McCormick. Mitch Backes of Assured Partners also attended and left after the insurance agenda item.

Minutes of Regular Meeting – February 11, 2025

A motion was made by Trustee Wang seconded by Trustee Eddington approving the revised minutes of the regular meeting held on February 11, 2025 and authorizing the President and Clerk to sign same. The motion carried.

Claim Ordinance No. 1947

A motion was made by Trustee Eddington seconded by Trustee Wang adopting Claim Ordinance No. 1947 in the total amount of $817,530.88 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Sejnost, Wang, and Eddington)

Public Comment – None

New Business

Business Insurance Renewals for FY 25-26

Mitch Backes 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 renewing the existing Tank Storage Pollution Liability coverage through Crum & Forster, Crime with Liberty Mutual and Workers Compensation with IPRF. Staff also recommended moving Cyber-Liability coverage to CFC. The total annual premiums are proposed at $269,084. A motion was made by Trustee Eddington seconded by Trustee Wang authorizing the Administrative Supervisor to renew all the District's insurance coverages as presented in the March 18, 2025 memo. The motion carried. (Votes recorded: Ayes-Sejnost, Wang, and Eddington.)

Budget Approval and Five-Year Financial Plan – FY 2025-26

The Five-Year Financial Plan and Budget were presented at the February Board meeting and have been available for public review since February 13 following a public notice of availability. A

motion was made by Trustee Eddington seconded by Trustee Wang to approve the budget for fiscal year 2025-26 as presented in the proposed Five-Year Financial Plan for fiscal years 2025-26 to 2029-2030. The motion carried. (Votes recorded: Ayes–Sejnost, Wang, and Eddington.) A motion was made by Trustee Eddington seconded by Trustee Wang to post the Five-Year Financial Plan for Fiscal Years 2025-26 to 2029-30 to the District's website with the following changes to the plan as presented at the February 2025 Board meeting:

- Add "FY 25-26 Budget Approved 03/18/2025" to the cover page under "Proposed 02/11/2025"
- Add a footnote to the last page of Exhibit 1 and to Exhibit 3 which says "FY 25-26 user charge rate and monthly service fee were passed under Ordinance No. ORD 25-01 on March 18, 2025."
- Add a second footnote to the last page of Exhibit 1 and to Exhibit 3 which says "FY 26-27 to FY 29-30 user charge rates and monthly service fees are projected only and will be re-evaluated in subsequent years."

The motion carried. (Votes recorded: Ayes–Sejnost, Wang, and Eddington.)

Adopt Appropriation Ordinance for Fiscal Year 2025-26

The Fiscal Year 2025-26 Appropriation Ordinance was presented at the February Board meeting and has been available for public review since February 13 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 Eddington seconded by Trustee Wang adopting the Fiscal Year 2025-26 Appropriation Ordinance and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Sejnost, Wang, and Eddington.)

Adopt Ordinance Amending Fees

General Manager Underwood presented Ordinance No. ORD 25-01. This ordinance increases various District fees and charges to the following amounts:

a) Permit inspection fees - $285 per building sanitary service for single family class and $472 per building sanitary service (or $272 per building sanitary service if no work on building sanitary service is required) for all other classes.
b) Tap-in fee - $1,113 per population equivalent (P.E.).
c) Trunk sewer service charges - $516 per P.E.
d) Lateral sewer charge - $14,349 per building drain to near side property and $10,395 per building drain to far side property.
e) Sewer construction inspection fee - $90.50 per hour straight time and $135.75 per hour overtime.
f) Basic user rate - $3.25 per 1000 gallons of water (or $78.00 per quarter for all non-metered single family residential users).
g) Surcharge rate - $0.42 per pound for biochemical oxygen demand (BOD) and $0.54 per pound for suspended solids (SS) (or $5.33 per 1000 gallons for users who do not have a sampling chamber).
h) Monthly service fee - $21 per month for all accounts, and sampling and monitoring charges if applicable.
i) Sampling and monitoring charge – This charge will vary from $7.36 per month to

$163.37 per month depending on the type of user.

A motion was made by Trustee Sejnost seconded by Trustee Eddington adopting Ordinance No. ORD 25-01 and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Sejnost and Eddington. Nay-Wang.)

Compensation of General Manager for FY25-26

A motion was made by Trustee Eddington seconded by Trustee Wang to increase General Manager Underwood's salary from $197,567 to $205,470 effective April 1, 2025. The motion carried. (Votes recorded: Ayes–Sejnost, Wang, and Eddington.)

Planned Retirement Preparation Approval

General Manager Underwood presented a memo identifying Brian Meng's anticipated retirement from the District, the related additional payouts to him anticipated under the District's vacation leave payout policy contained in the Employee Policy Manual, and compliance with new statutory requirements under Public Act 99-0646 (the Illinois Local Government Wage Increase Transparency Act). In compliance with Public Act 99-0646 (the Illinois Local Government Wage Increase Transparency Act), a motion was made by Trustee Eddington seconded by Trustee Wang to permit additional wage payments to Brian Meng spreading 300 hours of vacation over the first 3 of his last 6 months of employment, consistent with the District's Employee Policy Manual, in the amount of $7,482.74, in anticipation of his announced retirement date of September 30, 2025, increasing his retirement monthly pension amount by $75.81, and increasing the cost of his pension annuity and DGSD's pension cost by $11,831.86. The motion carried. (Votes recorded: Ayes–Sejnost, Wang, and Eddington.)

Contract Award – Mercury Clean Up

General Manager Underwood reviewed the bids received on Feb. 27 for the Mercury Clean Up project. Three bids were received. She recommended that the contract be awarded to the lowest responsible, responsive bidder Valor Technologies, Inc. in the amount of $42,145.00. A motion was made by Trustee Eddington seconded by Trustee Wang to award the contract for the Mercury Clean Up project to the lowest responsible, responsive bidder, Valor Technologies, Inc. in the amount of $42,145.00 and to authorize the General Manager to engage the contractor for this work. The motion carried. (Votes recorded: Ayes—Sejnost, Wang, and Eddington.)

Facility Plan Update

General Manager Underwood reviewed the Facility Plan progress for February.

Questions and Comments

Trustee Wang wished staff a happy Women's History month.

Trustee Eddington noted the force main repair during the sewer overflow bypass event at Wroble Lift Station that occurred on Feb. 25. He also noted the CHP system updates, noted in Maintenance Supervisor Whitefleet's monthly report.

Trustee Sejnost inquired about the status of hiring for the Maintenance Mechanic position. She noted the start of implementing Invoice Cloud for our online billing portal. She noted Maintenance Supervisor Whitefleet's update about the CHP system and expressed her appreciation for the update. She also commended staff for their work during the sewer overflow bypass event at Wroble Lift Station that occurred on Feb. 25. Lastly, she noted the District's annual progress report for the Phosphorus Discharge Optimization Plan.

A motion was made by Trustee Eddington seconded by Trustee Wang to adjourn the regular meeting at 8:47 p.m. The motion carried.

Approved: April 15, 2025

_____
President

Attest: _____
Clerk

Downers Grove Sanitary District

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

Providing a Better Environment for South Central DuPage County

MEMORANDUM

To: Board of Trustees

From : Amy Underwood, General Manager

Date: April 11, 2025

Subject: Change Order No. 1 – Outfall Sewer Sag Repair

The Outfall Sewer Sage Repair project was completed on November 19, 2024. The final payment is included in the April Claim Ordinance.

The actual quantities for several of the work items varied from the quantities estimated on the bid form by the engineer. Baxter & Woodman, who provided onsite observation during the construction, has verified the actual quantities for each work item. The draft Change Order is attached.

The attached Change Order also includes a time extension of 804 days to Substantial Completion and 834 days to Final Completion.

At the April 15 Board meeting, I will be requesting approval from the Board for Change Order No. 1 to the Outfall Sewer Sag Repair with Archon Construction for a net decrease in the contract price of $168,903.38 and a net increase in project time 804 days to Substantial Completion and 834 days to Final Completion and for the General Manager to sign same.

C: BOLI, CS, DM

00 63 63

CHANGE ORDER NO. 1

PROJECT:	Outfall Sewer Sag Repair	**DATE OF ISSUANCE:**	April 8, 2025
OWNER:	Downers Grove Sanitary District	**ENGINEER:**	Baxter & Woodman, Inc.
CONTRACTOR:	Archon Construction	**ENGINEER's Project No.**	180237.60

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

Description: Finalizing Change Order No. 1

Purpose of Change Order: Balancing change order to account for project quantity changes during construction resulting in a decrease of the Contract Value in the amount of $168,903.38

Attachments: Final Pay Request No. 3

CHANGE IN CONTRACT PRICE:		**CHANGE IN CONTRACT TIME:**
Original Contract Price:	$805,092.00	Original Contract Time: Substantial Completion: September 7, 2022 Completion: October 7, 2022
Previous Change Orders: No. - to No. -	$0.00	Change from previous Change Orders:
Current Contract Price:	$805,092.00	Current Contract Time: Substantial Completion: September 7, 2022 Completion: October 7, 2022
Net decrease of this Change Order:	$168,903.38	Net increase of this Change Order: 804/834 days
Contract Price with this Change Order:	$636,188.62	Contract Time with this Change Order: Substantial Completion: November 19, 2024 Completion: November 19, 2024

Pursuant to 720 ILCS 5/33E-9, (1) the circumstances said to necessitate the change in performance were not reasonably foreseeable at the time the contract was signed, (2) the change is germane to the original contract as signed, and (3) the change order is in the best interest of the Downers Grove Sanitary District.

PREPARED BY:	**APPROVED:**	**ACCEPTED:**
BAXTER & WOODMAN, INC.	DOWNERS GROVE SANITARY DISTRICT	ARCHON CONSTRUCTION
By Reginald R. Jansen	By	By
Reginald R. Jansen, PE Construction Project Manager	Amy R. Underwood, PE General Manager	

Downers Grove Sanitary District

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

MEMORANDUM

To: Board of Trustees

From : Amy Underwood, General Manager

Date: April 11, 2025

Subject: Change Order No. 1 – Centex Lift Station Replacement

The Centex Lift Station Replacement project was completed on January 17, 2025. The final payment is included in the April Claim Ordinance.

The attached Change Order lists credits and extras that modified the scope of work over the course of this project. Baxter & Woodman, who provided onsite observation during construction, has reviewed the backup documentation for each of these items and has verified that each item is valid.

The attached Change Order also includes a time extension of 948 days.

At the April 15 Board meeting, I will be requesting approval from the Board for Change Order No. 1 to the Centex Lift Station Replacement with Berger Excavating Contractors, Inc. for a net decrease in the contract price of $62,501.55 and a net increase in project time 948 days and for the General Manager to sign same.

C: BOLI, CS, DM

00 63 63

CHANGE ORDER NO. 1

PROJECT:	Centex Pumping Station Replacement	**DATE OF ISSUANCE:**	April 9, 2025
OWNER:	Downers Grove Sanitary District	**ENGINEER:**	Baxter & Woodman, Inc.
CONTRACTOR:	Berger Excavating Contractors, Inc.	**ENGINEER's Project No.**	181059.60

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

Description: Finalizing Change Order No. 1

Purpose of Change Order: Balancing change order to account for various project credits and extras on the project, including:

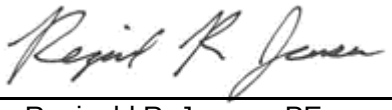
- Control panel material and scope credit
- Junction box material credit
- Excavation and backfill slope credit
- Air release valve credit
- Unknown utilities not shown on the plans
- Contaminated soils
- Wet well piping modifications
- Additional sidewalk
- Tree screening installation
- Generator plug on new cabinet
- Project escalation costs
- CCTV credit

These various credits and extras amounted to a total credit in the amount of $62,501.55

Attachments: Change Order No. 1 Supporting Documentation

CHANGE IN CONTRACT PRICE:		**CHANGE IN CONTRACT TIME:**
Original Contract Price:	$1,455,000.00	Original Contract Time: Substantial Completion: June 14, 2022 Completion: June 14, 2022
Previous Change Orders: No. - to No. -	$0.00	Change from previous Change Orders:
Current Contract Price:	$1,455,000.00	Current Contract Time: Substantial Completion: June 14, 2022 Completion: June 14, 2022
Net decrease of this Change Order:	$62,501.55	Net increase of this Change Order: 948 days
Contract Price with this Change Order:	$1,392,498.45	Contract Time with this Change Order: Substantial Completion: January 17, 2025 Completion: January 17, 2025

Pursuant to 720 ILCS 5/33E-9, (1) the circumstances said to necessitate the change in performance were not reasonably foreseeable at the time the contract was signed, (2) the change is germane to the original contract as signed, and (3) the change order is in the best interest of the Downers Grove Sanitary District.

PREPARED BY:	**APPROVED:**	**ACCEPTED:**
BAXTER & WOODMAN, INC.	DOWNERS GROVE SANITARY DISTRICT	BERGER EXCAVATING CONTRACTORS
By 	By _____	By _____
Reginald R. Jansen, PE Construction Project Manager	Amy R. Underwood, PE General Manager	

Centex Final Cost Changes Summary

Backup Attachment	Vendor	Description	Amount
Changing Pump and Control Panel from 316 to 304 (Including 240V to 480V Change)			
A.1	LAI	Material Change	$ (68,675.00)
A.2	Homestead	Change Scope - Additional Equipment	$ 22,437.00
		Sub Total	**$ (46,238.00)**
Changing Intermediate Junction Box from 316 to 304			
B.1	Homestead	Material Change	$ (338.00)
		Sub Total	**$ (338.00)**
	Provide 1 Horizontal to 2 Vertical instead of 1:1 Under Valve Vault		
C.1	Berger	Change Scope	$ (6,126.78)
		Sub Total	**$ (6,126.78)**
Remove Air Release (Manhole installed onsite)			
D.1	LAI	Change in Scope -Material Credit	$ (2,605.00)
	Berger	Not installing air release	$ (800.00)
		Sub Total	**$ (3,405.00)**
Unknown Utilities not Shown on Plans			
E.1	Berger FA_001	Change in Scope - Investigating utilities	$ 877.15
		Sub Total	**$ 877.15**
Contaminated Soil			
F.1	Berger FA_002	Change in Scope - Discovered contaminate soil	$ 1,142.74
		Sub Total	**$ 1,142.74**
Wet Well Intake Piping Modifications			
G.1	Berger FA_004	Change in Scope - Core new hole	$ 3,184.52
G.2	PROPOSAL001	Install Plate Over Intake Pipe	$ 5,000.00
		Sub Total	**$ 8,184.52**
Install Additional Sidewalk Onsite			
H.1	Berger TM_005	Additional Sidewalk	$ 838.35
		Sub Total	**$ 838.35**
Install Tree Screening Onsite			
I.1	MBI_PR_001	Tree Screening	$ 8,239.00
		Original Contract Allowance Deduction	$ (10,000.00)
		Sub Total	**$ (1,761.00)**
Install Existing Generator Plug on New Cabinet			
J.1	HEC_LS_003	Install Existing Plug to new cabinet	$ 2,740.93
		Sub Total	**$ 2,740.93**

Project Escalation Costs				
K.1	Concrete and Asphalt	Escalation	$	2,820.96
K.2	Berger	Escalation	$	28,762.58
		Sub Total	**$**	**31,583.54**
Accepting Deduct for Televising				
	Berger	Pay Item Deduction	$	(50,000.00)
		Sub Total	**$**	**(50,000.00)**
Total			**$**	**(62,501.55)**

Downers Grove, Illinois

Date: April 15, 2025

Claim Ordinance No. 1948

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 **$1,109,517.86** being in words and figures as follows:

PAYROLL END DATE: 03.15.25
PAYROLL PAID DATE: 03.21.25
G/L DATE: 04.30.25

GENERAL LEDGER RECAP

DATE 03/19/25 PERIOD END 03/15/25 PAGE 6

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		79442.82-
01-00.2000	FEDERAL TAX WITHHELD		11642.32-
01-00.2001	STATE TAX WITHHELD		5659.62-
01-00.2002	SOCIAL SECURITY WITHHELD		9314.85-
01-00.2003	IMRF WITHHELD		5439.27-
01-00.2013	CREDIT UNION WITHHELD		2737.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		5450.50-
01-00.2017	VOLUNTARY GROUP LIFE		208.00-
01-00.2020	DEFERRED COMPENSATION WITHHELD - ICMARC		150.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		438.84-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		168.31-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1707.69-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		170.74-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		930.15-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		272.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		212.00-
01-11.A003	GENERAL MANAGEMENT	10361.76	
01-11.A004	FINANCIAL RECORDS	8568.92	
01-11.A005	ADMINISTRATIVE RECORDS	2009.80	
01-11.A006	ENGINEERING	332.43	
01-11.A007	CODE ENFORCEMENT	13081.65	
01-11.A008	SAFETY ACTIVITIES	2349.51	
01-12.A006	ENGINEERING	617.37	
01-12.A009	OPERATIONS MANAGEMENT	4714.86	
01-12.A011	MAINTENANCE - WWTC	18900.02	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	411.02	
01-12.A014	MAINTENANCE - ELECTRICAL	4037.96	
01-12.A021	WWTC - OPERATIONS	17419.13	
01-12.A022	WWTC - SLUDGE HANDLING	6412.23	
01-12.A030	BUILDING AND GROUNDS	389.20	
01-13.A009	OPERATIONS MANAGEMENT	4600.86	
01-13.A041	LAB - WWTC	6129.20	
01-14.A006	ENGINEERING	47.49	
01-14.A051	SEWER MAINTENANCE	15006.42	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	400.00	
01-14.A066	INSPECTION - CODE ENFORCEMENT	6279.37	
01-15.A006	ENGINEERING	284.94	
01-15.A009	OPERATIONS MANAGEMENT	120.89	
01-15.A030	BUILDING AND GROUNDS	48.36	
01-15.A080	LIFT STATION MAINTENANCE	1420.72	
		123944.11	123944.11-

PAYROLL END DATE: 03.29.25
PAYROLL PAID DATE: 04.04.25
G/L DATE: 04.30.25

GENERAL LEDGER RECAP

DATE 04/01/25 PERIOD END 03/29/25 PAGE 6

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		79503.75-
01-00.2000	FEDERAL TAX WITHHELD		11755.72-
01-00.2001	STATE TAX WITHHELD		5614.14-
01-00.2002	SOCIAL SECURITY WITHHELD		9348.09-
01-00.2003	IMRF WITHHELD		5467.51-
01-00.2013	CREDIT UNION WITHHELD		2737.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		5453.46-
01-00.2020	DEFERRED COMPENSATION WITHHELD - ICMARC		150.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		438.84-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		168.31-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1707.69-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		170.74-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		1044.12-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		622.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		212.00-
01-11.A003	GENERAL MANAGEMENT	10643.35	
01-11.A004	FINANCIAL RECORDS	8231.38	
01-11.A005	ADMINISTRATIVE RECORDS	3544.46	
01-11.A006	ENGINEERING	142.47	
01-11.A007	CODE ENFORCEMENT	12986.67	
01-11.A008	SAFETY ACTIVITIES	48.35	
01-12.A006	ENGINEERING	522.39	
01-12.A009	OPERATIONS MANAGEMENT	4912.77	
01-12.A011	MAINTENANCE - WWTC	13947.97	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	909.46	
01-12.A014	MAINTENANCE - ELECTRICAL	7838.74	
01-12.A021	WWTC - OPERATIONS	18824.57	
01-12.A022	WWTC - SLUDGE HANDLING	6977.02	
01-12.A030	BUILDING AND GROUNDS	680.09	
01-13.A009	OPERATIONS MANAGEMENT	4255.80	
01-13.A041	LAB - WWTC	6246.36	
01-13.A042	LAB - PRETREATMENT	392.55	
01-13.A048	LAB - ENERGY RECOVERY	76.00	
01-14.A006	ENGINEERING	284.94	
01-14.A051	SEWER MAINTENANCE	14784.65	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	400.00	
01-14.A066	INSPECTION - CODE ENFORCEMENT	6308.66	
01-15.A006	ENGINEERING	94.98	
01-15.A009	OPERATIONS MANAGEMENT	241.78	
01-15.A030	BUILDING AND GROUNDS	48.36	
01-15.A080	LIFT STATION MAINTENANCE	1049.60	
		124393.37	124393.37-

Downers Grove Sanitary District

01 GENERAL FUND STANDARD CHECK REGISTER FOR 04/15/25

Date: 04/10/25
Time: 10:57am

VENDOR		INVOICE						
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
ACI Payments Inc.	A000096	03/14/25	1000134892	01-11.B110	OLR FEES	26.20	26.20	106597
Archon Construction Co., Inc.	A000102	04/08/25	PAYMENT #3	01-14.B902	OUTFALL SEWER SAG REPAIR	109336.02	109336.02	065473
ADVOCATE OCCUPATIONAL HEALTH	A000150	03/23/25	2600000882	01-12.B117	DRUG SCREENING	115.00	115.00	065439
ALEXANDER CHEMICAL CORPORATION	A000200	03/25/25	92966	01-12.B401	SODIUM BISULFITE	8172.36	8172.36	106598
ALLEGRA MARKETING PRINT MAIL	A000251	03/27/25	43507	01-11.B120	LETTERHEAD	794.70	794.70	065474
ALTMAN MANUFACTURING COMPANY INA	000288	04/01/25	16619	01-12.B501	AUGER HUBS	1100.00	1100.00	065475
ALTORFER INDUSTRIES, INC.	A000292	02/21/25	P6AC0120938	01-15.B524	BATTERY REPLACEMENT	386.03		
		03/21/25	P6AR0011341	01-15.B524	BATTERY CREDIT	386.03-		
		03/13/25	PM6A0035194	01-12.B513	EMERG GEN #1 PM	2115.00		
		03/18/25	PM6A0035331	01-15.B526	NORTHWEST GEN PM	1745.00		
		03/20/25	PM6A0035416	01-15.B528	WROBLE GEN PM	1212.00		
		03/20/25	PM6A0035418	01-15.B522	COLLEGE GEN PM	1212.00		
		03/26/25	PM6A0035613	01-11.B118	ADMIN CTR GEN PM	913.00		
		03/26/25	PM6A0035614	01-15.B520	BUTTERFIELD GEN PM	2025.00		
		03/27/25	PM6A0035643	01-15.B529	PORT GEN350 PM	2335.00		
		03/27/25	PM6A0035645	01-15.B529	PORT G150 PM	1910.00		
		03/27/25	PM6A0035647	01-15.B529	PORT GEN200 PM	2335.00		
		03/27/25	PM6A0035649	01-15.B523	EARLSTON GEN PM	1699.00		
		03/27/25	PM6A0035651	01-15.B525	LIBERTY PK GEN PM	1060.00	18561.00	106599
Amazon Business	A000296	03/25/25	1199LVXNLKM4	01-12.B512	HYDRAULIC FILTER	47.64		
		07/26/24	1NC7GHTH7XL3	01-11.B116	UTENSILS	14.99		
		07/26/24	1NC7GHTH7XL3	01-14.C225	WIPER BLADES	25.76		
		03/18/25	1P36XF6NHX7Y	01-12.B513	OIL FILTERS FOR CHP 1&2	270.36		
		03/31/25	1TGHGWFJ7DD4	01-11.B116	GLASSES/ELECTRONIC WIPES	43.57		
		03/14/25	1THR6L6V1WPK	01-14.B117	AL BOOTS	264.97	667.29	106600
AMERICLAIM INC.	A000305	03/31/25	1399094	01-14.B129	BURP CLAIM ADJUSTER	622.50	622.50	065440
AMWELL	A000322	03/31/25	02734	01-12.B506	SCUM THROUGH	16160.00	16160.00	065476
AUTOZONE - AZ COMMERCIAL	A000600	03/18/25	02576786317	01-12.C225	VEHICLE CLEANER	8.24		
		03/18/25	02576786533	01-12.C225	VEHICLE SHINE PROTECTANT	9.69		
		04/03/25	02576797029	01-12.B116	BRAKE CLEANER	107.64	125.57	065441
ED BAILIE	B000035	03/24/25	REIMBURSE	01-12.B117	IWPC CONF HOTEL/MEALS	567.32	567.32	106601
BAXTER & WOODMAN, INC.	B000120	03/14/25	0269872	01-11.B124	FLOW MONITORING	302.13		
		03/14/25	0269878	01-14.B902	OUTFALL SEWER SAG CS	544.50		
		03/14/25	0269880	01-13.B124	PRETREATMENT ASSIST 2024	638.00		
		03/14/25	0269894	01-14.B902	ROGERS ST SWR RPLC PROJ	12466.50		
		03/14/25	0269911	01-11.B124	FACILITY PLAN	14199.50	28150.63	106602
DORRANCE BERRY	B000150	03/20/25	REIMBURSE	01-13.B117	IWPC CONF HOTEL/MEALS	360.63	360.63	106603
BradyIFS	B000319	03/18/25	9872942	01-12.B116	MSB SUPPLIES	383.97		
		04/04/25	9941636	01-12.B116	MSB SUPPLIES	183.95	567.92	106604
CINTAS #344	C000300	03/18/25	4224451861	01-12.B117	PLANT UNIFORMS	127.76		
		03/18/25	4224451861	01-14.B117	SS UNIFORMS	58.64		
		03/25/25	4225192526	01-12.B117	PLANT UNIFORMS	103.34		
		03/25/25	4225192526	01-14.B117	SS UNIFORMS	46.38		
		04/01/25	4225887197	01-12.B117	PLANT UNIFORMS	178.17		
		04/01/25	4225887197	01-14.B117	SS UNIFORMS	46.38		
		04/08/25	4226627223	01-12.B117	PLANT UNIFORMS	103.15		

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		04/08/25	4226627223	01-14.B117	SS UNIFORMS	46.38	710.20	065442
STEPHANIE CIONI	C000323	03/17/25	REIMBURSE	01-13.B117	IWPC CONF HOTEL/MEALS	355.54	355.54	106605
CLOUDMELLOW	C000333	04/01/25	251509	01-11.B115	APRIL MONTHLY WEB HOSTING	95.00	95.00	065477
CLOVERLEAF TOOL CO	C000335	03/19/25	58048	01-14.B115	RODDER REPAIR	2084.97	2084.97	106606
COMCAST	C000373	04/03/25	877120120055	01-11.B112	BACK UP INTERNET	151.45	151.45	065443
Comcast	C000375	04/01/25	001002023519	01-11.B112	INTERNET SERVICE	838.20	838.20	065444
COMED	C000380	03/18/25	0464955000	01-15.B100	MAR COLLEGE LS ELECTRIC	692.39		
		03/18/25	0771764000	01-15.B100	MAR LIB PARK LS ELECTRIC	598.49		
		03/18/25	1557021222	01-15.B100	MAR EARLSTON LS ELECTRIC	431.79		
		03/19/25	2125907000	01-15.B100	MAR CENTEX LS ELECTRIC	211.65		
		02/14/25	2334423333	01-15.B100	FEB NORTHWEST LS ELECTRIC	2322.60		
		03/18/25	2334423333 2	01-15.B100	MAR NORTHWEST LS ELECTRIC	1848.20		
		03/27/25	2764819000	01-12.B100	MAR BIG TOP ELECTRIC	117.69		
		02/14/25	2843274000	01-15.B100	FEB HOBSON LS ELECTRIC	3365.23		
		03/18/25	3843274000 2	01-15.B100	MAR HOBSON LS ELECTRIC	3364.61		
		03/18/25	4675132222	01-15.B100	MAR WROBLE LS ELECTRIC	1404.86		
		03/25/25	6828085000	01-15.B100	FEB VENARD LS ELECTRIC	845.75		
		03/25/25	6828085000 2	01-15.B100	MAR VENARD LS ELECTRIC	740.79		
		03/27/25	8159307000	01-12.B100	MAR WALNUT HSE ELECTRIC	88.66		
		03/27/25	8159307000	01-14.B910	MAR BSSRAP ELECTRIC	357.88		
		02/14/25	9286103000	01-15.B100	FEB BUTTERFLD LS ELECTRIC	293.79		
		03/18/25	9286103000 2	01-15.B100	MAR BUTTERFLD LS ELECTRIC	268.04	16952.42	065445
CONCENTRIC INTEGRATION, LLC	C000410	03/14/25	0269888	01-11.B115	2024-2025 MANAGED SUPPORT	2434.00		
		03/14/25	0269888	01-12.B513	2024-2025 MANAGED SUPPORT	3651.00		
		03/14/25	0269890	01-11.B115	2024-2025 T&M SUPPORT SVC	1508.69	7593.69	106607
CONSTELLATION NEWENERGY	C000435	03/19/25	15678315	01-15.B100	MAR COLLEGE LS ELECTRIC	294.00		
		03/19/25	15678316	01-15.B100	MAR HOBSON LS ELECTRIC	1931.42		
		03/19/25	15678317	01-15.B100	MAR LIB PARK ELECTRIC	320.38		
		03/19/25	15678318	01-15.B100	MAR WROBLE LS ELECTRIC	770.14		
		03/19/25	15678319	01-15.B100	MAR EARLSTON LS ELECTRIC	239.51		
		03/26/25	15678320	01-15.B100	MAR VENARD LS ELECTRIC	337.03		
		03/20/25	15678321	01-15.B100	MAR CENTEX LS ELECTRIC	114.66		
		03/19/25	15678322	01-15.B100	MAR BUTTERFLD LS ELECTRIC	164.42		
		03/19/25	15678323	01-15.B100	MAR NORTHWEST LS ELECTRIC	1154.26	5325.82	106608
COVERALL NORTH AMERICA, INC	C000557	03/04/25	1000098754	01-11.B118	MAR ADMIN CTR CLEANING	489.00		
		04/01/25	1000128503	01-11.B118	APR ADMIN CTR CLEANING	489.00	978.00	106609
CURTIS MARTIN GROUP, INC.	C000660	03/31/25	9158	01-11.B115	SOFTWARE DATA EXTRACTION	360.00	360.00	106610
DANIEL MCCORMICK, P. C.	D000035	04/01/25	24	01-11.B124	LEGAL SERVICES	885.00	885.00	065446
DAXAM INC.	D000105	03/13/25	34284	01-12.C225	NEW VEHICLE DECALS	285.86		
		03/28/25	34325	01-12.C225	NEW VEHICLE DECALS	285.86	571.72	106611
VILLAGE OF DOWNERS GROVE	D000480	03/17/25	22209	01-12.B113	ELEVATOR INSPECTIONS	180.00		
		03/15/25	22241	01-11.B121	MAR METER READINGS	491.12		
		04/05/25	22316	01-11.C222	ADMIN CTR FUEL	119.91		
		04/05/25	22316	01-12.C222	PLANT FUEL	1168.30		
		04/05/25	22316	01-13.C222	LAB FUEL	55.37		
		04/05/25	22316	01-14.C222	SS FUEL	1824.61	3839.31	065447

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DUPAGE COUNTY RECORDER	D000620	03/25/25	40629111	01-11.B121	LIEN RELEASES	57.00	57.00	065448
ENERGY CHOICE, INC	E000220	03/12/25	20902	01-12.B513	CHP 1&2 SPARK PLUGS	1740.67		
		04/07/25	21568	01-12.B513	CHP 1&2 OIL BREATHER	207.99		
		04/09/25	21645	01-12.B513	CHP 2 ENGINE COOLANT	1604.76	3553.42	065449
EXODUS TECHNOLOGY SERVICE	E000480	03/22/25	25123	01-11.B124	FEB IT SUPPPORT SVC	4753.00	4753.00	065450
EYE MED VISION CARE	E000600	04/01/25	166752194	01-17.E455	VISION INSURANCE	448.70	448.70	065451
FIRST ADVANTAGE	F000130	03/31/25	2501202503	01-12.B117	DRUG TEST	46.34	46.34	106612
FirstComm	F000136	04/27/25	127823493	01-11.B112	ADMIN CTR PHONES	286.35		
		04/27/25	127823493	01-12.B112	PLANT PHONES	326.34		
		04/27/25	127823493	01-13.B112	LAB PHONES	58.59		
		04/27/25	127823493	01-14.B112	SS PHONES	170.75	842.03	065478
FIRST ENVIRONMENTAL LAB	F000140	03/21/25	189757	01-13.B123	MARCH 2025 NPDES MONTHLY	117.60		
		03/25/25	189817	01-13.B123	MARCH 2025 BIOSOLIDS	322.80	440.40	106613
G COOPER OIL COMPANY INC.	G000005	03/27/25	36140	01-12.B116	GEAR OIL	1129.72	1129.72	065452
W. W. GRAINGER, INC.	G000520	03/13/25	9437403695	01-12.C225	STORAGE SYSTEM - LS TRUCK	107.06		
		03/13/25	9437403703	01-15.B528	WROBLE VFD TOOLS	45.04		
		03/13/25	9437403711	01-12.B511	RAILING INSTALL SUPPLIES	79.67		
		03/13/25	9438042245	01-12.B511	RAILING INSTALL CUTTER	29.00		
		03/17/25	9441864122	01-12.B116	FLOOR CLEANER	132.87		
		03/18/25	9442490778	01-12.B512	RF TOOL REPLACEMENT	12.92		
		03/18/25	9442490786	01-12.B512	TOOL REPLACEMENT	38.90		
		03/19/25	9445231625	01-12.B512	FORKLIFT PART	25.39		
		03/19/25	9445231633	01-12.B512	GREASE CART WHEEL	35.72		
		03/20/25	9446038110	01-12.B116	DISPOSABLE GLOVES	154.10		
		03/20/25	9446673593	01-12.B512	FORKLIFT PART	25.39		
		03/25/25	9449548602	01-12.B116	OILER	9.32		
		03/26/25	9452582720	01-12.B113	ARC FLASH PPE	2783.86		
		03/27/25	9453928666	01-12.B812	FLANGE KIT	45.16		
		03/27/25	9453928674	01-12.B812	URINAL FLUSH VALVE	437.26		
		03/28/25	9455340290	01-12.B801	BIN DRAIN HOLES PLUGS	65.04		
		03/28/25	9455783143	01-13.B114	WATER TESTING KIT	71.77		
		03/31/25	9456999649	01-12.B512	DRILL BITS	99.94		
		04/01/25	9458495778	01-12.B116	DRILL CHUCK KEY	8.75		
		04/02/25	9459512217	01-12.B812	FLUSH VALVE RETURN	437.26-		
		04/02/25	9460303143	01-12.B512	DRILL BITS RETURN	66.88-		
		04/03/25	9461452576	01-12.B512	MAINTENANCE SUPPLIES	138.53		
		04/04/25	9462420135	01-12.B508	ULTRASONIC SENSOR	224.82	4066.37	106614
JESSICA GWOZDZ	G000630	04/03/25	REIMBURSE	01-11.B113	ELECTRIC SAFETY HANDBOOK	39.93	39.93	106615
HAWK FORD	H000052	03/19/25	143179D	01-14.C225	DRIVER SEAT REPLACEMENT	298.53	298.53	065479
HOME DEPOT	H000400	04/01/25	0062399	01-12.B812	DRAIN OPENER	7.98		
		03/31/25	1025330	01-12.B116	CLEANING SUPPLIES	17.92		
		03/21/25	1043831	01-12.B506	PRIM PMP 5 INSTALL SUPP	8.98		
		04/09/25	2020751	01-12.B512	SHOP TOOL REPLACEMENT	99.00		
		04/04/25	3194123	01-12.B506	DISCONNECT RPR PARTS RTRN	33.30-		
		03/28/25	4010400	01-12.B812	DRYALL RPR PANEL/PAIL	11.31		
		03/26/25	6061989	01-11.B118	FRONT DOOR CHIME BATTERY	6.87		

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		03/26/25	6061990	01-12.B116	CLEANING SUPPLIES	20.44		
		03/24/25	8024658	01-12.B512	MR TOOL REPLACEMENT	12.97		
		03/14/25	8083648	01-12.B116	PAPER TOWEL	5.88		
		04/02/25	9010587	01-12.B506	SCUM TROUGH PARTS	35.90		
		04/02/25	9010588	01-12.B810	GRSE PIT DOOR SLIDE BOLT	8.93	202.88	065453
IAWA	I000100	03/19/25	5947	01-11.B117	2025 CSWEA MINI CONF	516.00	516.00	065454
IL ENV PROTECTION AGENCY	I000260	03/12/25	28	01-14.B929	LOAN PAYMENT	90795.58	90795.58	106616
IMPACT NETWORKING, LLC	I000400	03/18/25	3454089	01-11.B115	COPIER REPAIR	310.00	310.00	106617
INFOSEND, INC.	I000415	03/31/25	283787	01-11.B121	CUSTOMER BILL MAILING	5254.14	5254.14	106618
JSN Contractors Supply	J000027	03/26/25	87624	01-14.B116	GREEN MARKING PAINT	417.60	417.60	065455
KARA COMPANY INC.	K000053	03/27/25	389635	01-14.B115	WIRE FLAGS	118.00	118.00	106619
KOMLINE-SANDERSON	K000230	03/25/25	42062674	01-12.B506	PMP 5 SHEAR PINS	114.00	114.00	106620
LAI, LTD	L000012	03/31/25	033125	01-12.B502	BISULFITE PMP TUBING	215.55	215.55	106621
LIBERTY MUTUAL INSURANCE CO	L000026	04/14/25	404250766	01-17.E452	CRIME PROTECTION POLICY	1083.00		
		03/31/25	999326067	01-17.E452	TRUSTEE BOND	300.00	1383.00	065480
MARC MAJEWSKI	M000110	03/01/25	REIMBURSE	01-12.B117	IWPC CONF HOTEL/DINNER	557.12	557.12	106622
MCMASTER-CARR SUPPLY COMPANY	M000360	03/20/25	42671332	01-12.B512	SHOP TOOL	130.07		
		03/21/25	42744804	01-12.B506	COLLECTOR SHEAR PIN HUBS	72.45		
		03/28/25	43138545	01-12.B116	AUGER PLATES DRILL BITS	81.90	284.42	106623
MENARDS - BOLINGBROOK	M000430	03/25/25	84254	01-12.B802	HYPO BLDG FUSE PANEL	79.99		
		04/02/25	84629	01-12.B509	DRYING BED GATE PARTS	28.50		
		04/02/25	84631	01-12.B509	DRYING BED GATE PARTS	375.50	483.99	065456
MIDWEST ENVIRONMENTAL CONSULTIN	M000571	03/20/25	2500292	01-12.B812	ASBESTOS SAMPLING	1235.00	1235.00	065481
NCPERS GROUP LIFE INSURANCE	N000010	04/01/25	3266052025	01-00.2017	VOLUNTARY LIFE INSURANCE	224.00	224.00	106624
NAPA AUTO PARTS	N000040	03/24/25	934543	01-12.B509	HYDRAULIC FILTER	13.80		
		03/25/25	934693	01-12.B509	STOCK FILTER	13.80	27.60	065457
NEUCO, INC.	N000260	03/26/25	8624342	01-12.B510	HEAT EXCHANGER SENSOR	95.76	95.76	106625
NICOR GAS	N000330	03/17/25	15876210004	01-12.B101	MAR PLANT GAS	437.84		
		03/17/25	44976210003	01-12.B101	MAR PLANT 2 GAS	344.75		
		03/17/25	51006900008	01-12.B101	MAR CHEM FEED GAS	338.64		
		03/18/25	54976210002	01-11.B101	MAR ADMIN CTR GAS	296.49		
		03/17/25	87801017812	01-12.B101	MAR WALNUT HSE GAS	204.00	1621.72	065458
Northwest Electric Motor Co.	N000565	03/20/25	2503081	01-15.B528	KEY PAD REPLACEMENT	35.65	35.65	065459
PETTY CASH	P000350	04/08/25	CASH BOX	01-11.B119	POSTAGE	12.60		
		04/08/25	CASH BOX	01-12.B117	MH CDL PERMIT	50.00	62.60	065460
POLYDYNE INC.	P000395	03/28/25	1915194	01-12.B402	BELT PRESS POLYMER	3074.04	3074.04	106626
PORTABLE JOHN, INC	P000410	03/26/25	294578	01-12.B812	PORTABLE JOHN RENTAL	174.79	174.79	106627
NICHOLAS PREEN	P000640	03/20/25	REIMBURSE	01-12.B117	IWPC CONF HOTEL/MEALS	583.37	583.37	106628
PRINCIPAL LIFE INSURANCE CO	P000650	03/18/25	10930991001	01-17.E455	APRIL DENTAL INSURANCE	3120.28	3120.28	106629
REPUBLIC SERVICES	R000264	03/15/25	055101620449	01-12.B102	GRIT SCREEN DUMPSTER	989.29	989.29	065461
ROADSAFE	R000360	02/28/25	IL481038	01-15.B528	WROBLE FM REPAIR	1800.00	1800.00	065462
ROWELL CHEMICAL CORPORATION	R000400	03/26/25	1422761	01-12.B401	SODIUM HYPOCHLORITE	7370.37	7370.37	106630
S. Schroeder Trucking, Inc.	S000059	03/24/25	70761	01-12.B509	SAND DELIVERY	2245.89	2245.89	065463
CARLY SHAW	S000305	03/14/25	REIMBURSE	01-11.B117	IAWA MINI CONF GAS/PARK	24.66	24.66	106631
SHERWIN-WILLIAMS CO.	S000320	04/02/25	67456	01-12.B506	PRIM 8 SCUM TROUGH PAINT	222.86	222.86	106632
STEPHENS PLUMBING AND	S000680	03/25/25	281897	01-14.B910	SHEAR REPAIR	319.85	319.85	065464

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STEVENSON CRANE SERVICE, INC.	S000720	03/31/25	311285	01-12.B404	GAS CLEANING MEDIA CHANGE	900.00	900.00	106633
SUNBELT RENTALS	S000799	03/20/25	166663624000	01-12.B116	PROPANE REFILL	18.87	18.87	065482
SUBURBAN LIFE PUBLICATIONS	S000867	03/31/25	10071278	01-11.B124	LEGAL PUBLICATIONS	1491.90	1491.90	065465
TELCO BILL CENTER	T000155	03/19/25	6644	01-12.B112	ELEVATOR PHONE LINE	39.99	39.99	106634
TERRACE SUPPLY COMPANY	T000250	03/31/25	0001067942	01-12.B116	CYLINDER RENTAL	48.45		
		03/24/25	0071069580	01-12.B404	GAS CLEANING MEDIA CHANGE	72.44	120.89	106635
U.S. POSTAL SERVICE	U000130	03/19/25	REFILL	01-11.B119	POSTAGE METER REFILL	1000.00	1000.00	065466
USABLUEBOOK	U000150	03/28/25	00666060	01-13.B114	LAB CHEMICALS	600.14		
		03/28/25	00666060	01-13.B116	LAB SUPPLIES	318.80	918.94	065467
UNISON SOLUTIONS, INC.	U000192	03/18/25	202510574	01-12.B404	GAS CLEANING MEDIA	22816.82	22816.82	106636
UNITED PARCEL SERVICE	U000300	03/15/25	0003Y0091115	01-13.B116	LAB SHIPPING SERVICE	113.53	113.53	065468
UNO CONSTRUCTION CO., INC.	U000450	04/15/25	MARCH 2025	01-14.B910	BSSRAP PROGRAM	51539.42	51539.42	106637
VERIZON WIRELESS	V000135	03/28/25	6109700087	01-12.B112	RAIN GAUGE COMMUNICATIONS	56.49		
		03/28/25	6109700087	01-15.B112	LS COMMUNICATIONS	283.23		
		04/01/25	6109897460	01-11.B112	ADMIN CELL PHONES	215.34		
		04/01/25	6109897460	01-12.B112	PLANT CELL PHONES	874.73		
		04/01/25	6109897460	01-13.B112	LAB CELL PHONES	155.88		
		04/01/25	6109897460	01-14.B112	SS CELL PHONES	534.60		
		04/01/25	6109897461	01-12.B112	PLANT TABLETS	152.06		
		04/01/25	6109897461	01-14.B112	SS TABLETS	108.03		
		04/01/25	6109897461	01-15.B112	LS TABLET	36.01	2416.37	065469
VESTIS	V000144	03/19/25	ORD5012621	01-11.B113	FIRST AID BOX REPLENISH	298.81	298.81	106646
VILLA PARK ELECTRICAL SUPPLY	V000145	03/31/25	27947900	01-12.B512	ELECTRICAL SUPPLIES	24.39	24.39	065470
WAGNER COMMUNICATIONS, INC	W000070	04/01/25	000035984681	01-11.B112	ANSWERING SERVICE	456.18	456.18	106638
WASTE MANAGEMENT SERVICES, INC.	W000170	04/03/25	003621920093	01-12.B102	APRIL GARBAGE/RECYCLE	701.91	701.91	106647
WESTFAX	W000350	04/01/25	1488974	01-11.B112	FAXING SERVICE	8.99	8.99	106639
WEST SIDE TRACTOR SALES CO.	W000380	03/12/25	N65460	01-12.B501	HYDRAULIC OIL	136.30	136.30	065471
VILLAGE OF WESTMONT	W000450	03/27/25	1844	01-11.B121	FEB METER READINGS	370.01	370.01	065472
ZENNI OPTICAL INC	Z000070	03/31/25	ZENOP498	01-11.B113	MR/BM SAFETY GLASSES	219.70		
		04/01/25	ZENOP572	01-11.B113	JM/MR SAFETY GLASSES	269.36	489.06	065483
						==========	==========	
					Total Payments:	449486.29	449486.29	
					ACH Payments Total:	268358.08	.00	
					Check Payments Total:	181128.21	449486.29	

VENDOR NAME	VENDOR NUMBER	INVOICE DATE	INVOICE NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
A-FORMULA MECHANICAL CORP	A000065	12/06/24	242056	01-12.B812	LAB NO HEAT REPAIR	535.00	535.00	106592
A-LEN RADIATOR & AUTOMOTIVE	A000070	04/09/25	1	01-12.B513	INTERCOOLER	940.00	940.00	065438
CHASE	B000050	03/24/25	EMPLPR031525	01-00.2000	FEDERAL TAX WITHHELD	11642.32		
		03/24/25	EMPLPR031525	01-00.2002	EMPL SOC SEC WITHHELD	9314.85		
		03/24/25	EMPLPR031525	01-17.E461	EMPLR SOC SEC WITHELD	9314.85	30272.02	106579
CHASE	B000050	04/07/25	EMPLPR032925	01-00.2000	FEDERAL TAX WITHHELD	11755.72		
		04/07/25	EMPLPR032925	01-00.2002	EMPL SOC SEC WITHHELD	9348.09		
		04/07/25	EMPLPR032925	01-17.E461	EMPLR SOC SEC WITHHELD	9348.13	30451.94	106587
D.G. SANIT DIST #XXXXXXXXX1117	D000400	04/15/25	REIMBURSE	01-00.1001	PAYROLL REIMBURSEMENT	158946.57	158946.57	106594
D.G. SANIT DIST #XXXXXXXXX1114	D000420	04/15/25	USER REFUND	01-05.3001	USER REFUNDS	1927.06	1927.06	106596
D.G. SANIT DIST #XXXXXXXXX1112	D000440	04/08/25	REIMBURSE	01-12.B116	MSB SUPPLIES	124.77	124.77	106595
DUPAGE CREDIT UNION	D000650	03/24/25	EMPLPR031525	01-00.2013	EMPL AUTHORIZED W/HOLDING	2737.00	2737.00	106578
DUPAGE CREDIT UNION	D000650	04/07/25	EMPLPR032925	01-00.2013	EMPL AUTHORIZED W/HOLDING	2737.00	2737.00	106586
FRP INSPECTION & CONSULTING	F000010	03/06/25	1265	01-12.B502	FRP TANK INSPECTIONS	2300.00	2300.00	106574
GASVODA & ASSOCIATES INC.	G000200	02/17/25	25PTS0068	01-15.B524	VOLUTE GASKET	275.31	275.31	065434
HEALTH CARE SERVICE CORP.	H000190	03/28/25	165585	01-17.E455	HEALTH INSURANCE	50616.82	50616.82	106577
ILLINOIS DEPARTMENT OF REVENUE	I000240	03/24/25	EMPLPR031525	01-00.2001	STATE STAX WITHHELD	5659.62	5659.62	106582
ILLINOIS DEPARTMENT OF REVENUE	I000240	04/07/25	EMPLPR032925	01-00.2001	STATE TAX WITHHELD	5614.14	5614.14	106588
ILLINOIS MUNICIPAL	I000300	04/07/25	PENSION	01-00.2003	EMPL PENSION DEPOSIT	10843.31		
		04/07/25	PENSION	01-00.2014	EMPL VOL PENSION DEPOSIT	10888.86		
		04/07/25	PENSION	01-17.E461	EMPLR VOL PENSION DEPOSIT	17277.02	39009.19	106593
KANSAS CITY LIFE INSURANCE CO	K000045	03/31/25	1676960	01-17.E455	LIFE INSURANCE	412.50	412.50	106583
LOMBARD TOYOTA	L000285	03/31/25	2025GMVEHICL	01-11.C226	GM VEHICLE PURCHASE	24526.70	24526.70	106584
MIDAMERICA ADMIN HRA ACCOUNT	M000557	04/02/25	HRA ACCOUNT	01-17.E455	HRA ACCOUNT	400.00	400.00	106590
MISSION SQUARE RETIREMENT	M000600	03/21/25	EMPLPR031525	01-00.2020	DEF COMP MISSION SQUARE	150.00	150.00	106576
MISSION SQUARE RETIREMENT	M000600	04/02/25	EMPLPR032925	01-00.2020	DEF COMP MISSION SQUARE	150.00	150.00	106585
NORTHWEST LAWN AND POWER EQUIPM	N000566	07/26/24	10104	01-12.B512	PUMP SAVER KIT	17.19	17.19	065435
REPAIR SERVICE CORPORATION	R000263	03/08/25	6298	01-12.B502	FRP TANK REPAIRS	2460.00	2460.00	106575
TRANSAMERICA RETIREMENT	T000415	03/21/25	EMPLPR031525	01-00.2026	DEF COMP IPPFA	930.15		
		03/21/25	EMPLPR031525	01-00.2027	DEF COMP IPPFA ROTH	272.00		
		03/21/25	EMPLPR031525	01-00.2028	DEF COMP LOAN REPAY	212.00	1414.15	106581
TRANSAMERICA RETIREMENT	T000415	04/04/25	EMPLPR032925	01-00.2026	DEF COMP IPPFA	1044.12		
		04/04/25	EMPLPR032925	01-00.2027	DEF COMP IPPFA ROTH	622.00		
		04/04/25	EMPLPR032925	01-00.2028	DEF COMP LOAN REPAY	212.00	1878.12	106589
JOAN M WEEKS	W000215	04/07/25	REIMBURSE	01-14.B129	REIMBURSE FRO BACK UP	1366.90	1366.90	065437
						==========	==========	
					Total Payments:	364922.00	364922.00	
					ACH Payments Total:	362322.60	.00	
					Check Payments Total:	2599.40	364922.00	

========== VENDOR ==========		====== INVOICE =======						
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
BAXTER & WOODMAN, INC.	B000120	03/14/25	0269899	02-49.0502	WROBLE FORCE MAIN RPR	6930.50	6930.50	106640
Berger Excavating Contractors,	B000137	04/09/25	216707F1	02-47.0506	CENTEX PS REPLACEMENT	210173.65	210173.65	106648
IL ENV PROTECTION AGENCY	I000260	03/12/25	28 2	02-30.0515	LOAN PAYMENT	46595.52	46595.52	106641
						==========	==========	
					Total Payments:	263699.67	263699.67	
					ACH Payments Total:	263699.67	.00	
					Check Payments Total:	.00	263699.67	

VENDOR NAME	VENDOR NUMBER	INVOICE DATE	INVOICE NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
BAXTER & WOODMAN, INC.	B000120	03/14/25	0269883	03-20.0504	CGD SYSTEM CS	2936.25	2936.25	106642
CONCENTRIC INTEGRATION, LLC	C000410	03/14/25	0269908	03-20.0506	GAS DETCT SYS SCADA INTEG	840.00	840.00	106643
CONNELLY ELECTRIC CO	C000417	03/31/25	00520013	03-20.0506	GAS DETECT SYSTEM	13230.00	13230.00	106644
IL ENV PROTECTION AGENCY	I000260	03/12/25	28 3	03-30.0515	LOAN REPAYMENT	14403.65	14403.65	106645
						31409.90	31409.90	
					Total Payments:	31409.90	31409.90	
					ACH Payments Total:	31409.90	.00	
					Check Payments Total:	.00	31409.90	

DATE _____

REVIEWED _____

TRUSTEE APPROVAL _____

PRESIDENT

_____

CLERK

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-00.1000	CASH		814408.29-
01-00.1001	CASH - PAYROLL ACCOUNT	158946.57	
01-00.2000	FEDERAL TAX WITHHELD	23398.04	
01-00.2001	STATE TAX WITHHELD	11273.76	
01-00.2002	SOCIAL SECURITY WITHHELD	18662.94	
01-00.2003	IMRF WITHHELD	10843.31	
01-00.2013	CREDIT UNION WITHHELD	5474.00	
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	10888.86	
01-00.2017	VOLUNTARY GROUP LIFE	224.00	
01-00.2020	DEFERRED COMPENSATION WITHHELD - ICMARC	300.00	
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	1974.27	
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH	894.00	
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD	424.00	
01-05.3001	USER RECEIPTS	1927.06	
01-11.B101	NATURAL GAS	296.49	
01-11.B110	BANK CHARGES	26.20	
01-11.B112	COMMUNICATION	1956.51	
01-11.B113	EMERGENCY/SAFETY EQUIPMENT	827.80	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	4707.69	
01-11.B116	SUPPLIES	58.56	
01-11.B117	EMPLOYEE/DUTY COSTS	540.66	
01-11.B118	BUILDING AND GROUNDS	1897.87	
01-11.B119	POSTAGE	1012.60	
01-11.B120	PRINTING/PHOTOGRAPHY	794.70	
01-11.B121	USER BILLING MATERIALS	6172.27	
01-11.B124	CONTRACT SERVICES	21631.53	
01-11.C222	GAS/FUEL	119.91	
01-11.C226	VEHICLE PURCHASES	24526.70	
01-12.B100	ELECTRICITY	206.35	
01-12.B101	NATURAL GAS	1325.23	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	1691.20	
01-12.B112	COMMUNICATION	1449.61	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	2963.86	
01-12.B116	SUPPLIES	2428.55	
01-12.B117	EMPLOYEE/DUTY COSTS	2431.57	
01-12.B401	CHEMICALS - DISINFECTION	15542.73	
01-12.B402	CHEMICALS - SLUDGE DEWATERING	3074.04	
01-12.B404	CHEMICALS - OTHER	23789.26	
01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	1236.30	
01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	4975.55	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	16580.89	
01-12.B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	224.82	
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	2677.49	
01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	95.76	
01-12.B511	EQPT/EQPT REPAIR - TERTIARY TREATMENT	108.67	
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	641.17	

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	10529.78	
01-12.B801	BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOSAL	65.04	
01-12.B802	BLDG AND GROUNDS - DISINFECTION	79.99	
01-12.B810	BLDG AND GROUNDS - SLUDGE DIGESTION	8.93	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	2009.24	
01-12.C222	GAS/FUEL	1168.30	
01-12.C225	OPERATION/REPAIR	696.71	
01-13.B112	COMMUNICATION	214.47	
01-13.B114	CHEMICALS	671.91	
01-13.B116	SUPPLIES	432.33	
01-13.B117	EMPLOYEE/DUTY COSTS	716.17	
01-13.B123	OUTSIDE LAB SERVICES	440.40	
01-13.B124	CONTRACT SERVICES	638.00	
01-13.C222	GAS/FUEL	55.37	
01-14.B112	COMMUNICATION	813.38	
01-14.B115	EQUIPMENT/EQUIPMENT REPAIR	2202.97	
01-14.B116	SUPPLIES	417.60	
01-14.B117	EMPLOYEE/DUTY COSTS	462.75	
01-14.B129	REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGES	1989.40	
01-14.B902	SEWER SYSTEM REPAIRS - REPLACEMENT	122347.02	
01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	52217.15	
01-14.B929	ARRA LOAN PRINCIPAL REPAYMENT	90795.58	
01-14.C222	GAS/FUEL	1824.61	
01-14.C225	OPERATION/REPAIR	324.29	
01-15.B100	ELECTRICITY	21714.01	
01-15.B112	COMMUNICATION	319.24	
01-15.B520	EQPT/EQPT REPAIR - BUTTERFIELD	2025.00	
01-15.B522	EQPT/EQPT REPAIR - COLLEGE	1212.00	
01-15.B523	EQPT/EQPT REPAIR - EARLSTON	1699.00	
01-15.B524	EQPT/EQPT REPAIR - HOBSON	275.31	
01-15.B525	EQPT/EQPT REPAIR - LIBERTY PARK	1060.00	
01-15.B526	EQPT/EQPT REPAIR - NORTHWEST	1745.00	
01-15.B528	EQPT/EQPT REPAIR - WROBLE	3092.69	
01-15.B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	6580.00	
01-17.E452	LIABILITY/PROPERTY	1383.00	
01-17.E455	EMPLOYEE GROUP HEALTH	54998.30	
01-17.E461	SOCIAL SECURITY	35940.00	
02-00.1000	CASH		263699.67-
02-30.0515	PAYMENT ON LOAN PRINCIPAL	46595.52	
02-47.0506	CONSTRUCTION CONTRACTS AND PURCHASES	210173.65	
02-49.0502	DESIGN ENGINEERING/ARCHITECTURAL	6930.50	
03-00.1000	CASH		31409.90-
03-20.0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVISN	2936.25	
03-20.0506	CONSTRUCTION CONTRACTS AND PURCHASES	14070.00	
03-30.0515	PAYMENT ON LOAN PRINCIPAL	14403.65	
		1109517.86	1109517.86-

Date: 04.08.25 **Petty Cash Checking Reimbursement** **D-440**
Due Date: 04.15.25
Invoice #: Reimburse

Date	Purchased From	Description	Code	Amount	Ck No.
03.13.25	Costco	MSB Supplies	12B116	124.77	3961

Total Receipts/Reimbursement **124.77**

Expense by code

14B910	
11B120	
12B116	124.77
14B912	
TOTAL	124.77

Date: **04.08.25** **Petty Cash Reimbursement** **P - 350**
Due Date: **04.15.25**
Invoice #: Cash Box

Date	Purchased From	Reimbursed To	Description	Code	Amount
03.05.25	USPS	Megan	Postage	11B119	6.30
03.13.25	USPS	Michelle	Postage	11B119	6.30
04.03.25	State of IL	Marcus	CDL Permit	12B117	50.00
			Total Receipts		62.60

Expense by code

11B116	
11B119	12.60
11B113	
12B117	50.00
14B115	
11B120	
12B116	
13B116	
TOTAL:	62.60

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Amy R. Underwood
General Manager

FROM: Carly Shaw
Administrative Supervisor

DATE: April 15, 2025

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, 2025 renewal. The District's medical insurance carrier, BlueCross BlueShield of Illinois (BCBSIL) calculated and offered to the District a composite rate for each tier of coverage for each plan (a set rate for each of the following tiers: Employee Only, Employee Plus Spouse, Employee Plus Child(ren) or Family coverage).

To assist in analyzing the renewal I have prepared the attached comparison of the renewal and our current rates. Both assume there are no changes in the employee plan selections. We again utilized the services of a consultant, Allera Group, for this renewal, who has consulted on previous annual renewals since 2003. They will not be able to attend the board meeting on April 15, but our representative Amy Abell will be available for questions via phone.

History

The District has maintained medical coverage with BCBSIL and starting in 2021 offered three different plans for employees to choose from (an HMO plan, a broad network hybrid PPO plan, and a richer, narrower network PPO plan). All plans require employee premium contributions which will be adjusted in the years we experience increases. The District last shopped the medical coverage in 2018 receiving premiums that were significantly higher than what BCBSIL provided. We did look at other options again this year, but the rates were much higher than what BCBSIL has provided for the upcoming year. The District has had dental coverage through Principal and vision coverage with EyeMed for several years as well.

The District also continues to offer a Health Reimbursement Account to employees or their spouses who are eligible to receive our health benefits but choose to have coverage through other means. The District contributes $100 per employee and $100 per spouse monthly to an account for them to use towards eligible health related expenses. This has been maintained with MidAmerica, who also manages our Flexible Spending Accounts and Dependent Care Accounts. Historically we have seen 5-7 employees and spouses participate in this program. In 2024 we had 6 participants.

Dental and Vision Coverage

We are going into year 2 of a 4-year rate lock with EyeMed which means there is no increase in premiums or any changes to those benefits. For dental coverage there is a rate increase of 3% for 2025 with Principal, our current carrier. Alera Group did negotiate this rate down from a 6% increase originally proposed. They did shop other carriers for comparison, and these came in much higher and were not competitive with Principal, especially after the reduction on the rate increase that was negotiated. The increase you see in my proposed totals for 2025-26 is due to staffing adjustments.

Medical Insurance Coverage

The three medical plan options that have been quoted for the 2025-2026 fiscal year are under the amount budgeted for group health insurance at our current enrollment. Our broker has informed us that we can offer all three medical plans to our group with no minimum participation required for any one plan. We are seeing an increase in all plans offered this year. We are also seeing slight increases in deductibles, out-of-pocket maximums and prescription co-pays.

1) Employee Option 1 (HMO) – 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. BCBSIL reduced the benefits of this plan in most categories. This plan has an increase of 4.6% in total premiums this year.

2) Employee Option 2 (Hybrid PPO) – 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. BCBSIL reduced the benefits of this plan in most categories, but it continues to provide great value for having access to both the narrow and wide PPO networks offered by BCBSIL. This plan has an increase of 10.1% in total premiums this year.

3) Employee Option 3 (Rich PPO) – 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. BCBSIL reduced the benefits of this plan in most categories. This plan has an increase of 9.5% in total premiums this year.

Life Insurance Coverage

The District's life insurance with Kansas City Life does not have any change in premiums for 2025-26.

Employee Premium Contributions

Below is a table highlighting the recommended employee premium contribution requirements based on their plan selection. We will again apply an equal percentage to the premiums for both the District and Employee contributions to each tier of coverage. This means that an employee can choose whichever tier (Employee Only, Employee plus Spouse, Employee plus Children, Family) under any plan offered and pay the same percentage of the premiums as they would under the others. The employee premium for the Employee Only tier is 5% and all other tiers are 10%. 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.

OPTION 1 (Rich HMO)	Annual Employee Contribution	Per Paycheck
Employee Only	$447.57	$17.21
Employee Plus Spouse	$1,790.28	$68.86
Employee Plus Children	$1,656.01	$63.69
Family	$2,551.15	$98.12
OPTION 2 (Hybrid PPO)	Annual Emp. Contribution	Per Paycheck
Employee Only	$535.23	$20.59
Employee Plus Spouse	$2,140.92	$82.34
Employee Plus Children	$1,980.35	$76.17
Family	$3,050.81	$117.34
OPTION 3 (Rich, but Narrow PPO)	Annual Employee Contribution	Per Paycheck
Employee Only	$577.56	$22.21
Employee Plus Spouse	$2,310.24	$88.86
Employee Plus Children	$2,136.97	$82.19
Family	$3,292.09	$126.62

Recommendations for Renewal

For the June 1, 2025 renewal, I am recommending that the District's Board of Trustees make the following motion at their regular meeting held on April 15, **"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 15, 2025 for medical insurance coverage with BlueCross BlueShield of Illinois, resume dental coverage with Principal, vision insurance with EyeMed, and life insurance coverage with Kansas City Life / NIS with an overall anticipated percent change of 7.71% 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 recommend we continue to offer the Health Reimbursement Account to employees as a cost savings measure.

In offering the same plans as in the current year with the proposed change in employee premiums, I have calculated the District would see an increase in costs of approximately 7.71%, which is below the 10% increase we used in the budget. This is based upon the assumption there will be no changes in the employee plan selections.

Over the last six years, the annual average percentage premium increase for the District to offer the employees' group insurance benefit is 5.67%.

If you concur with this recommendation, this item should be placed on the agenda for the April 15 regular Board meeting.

Attachment

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

DOWNERS GROVE SANITARY DISTRICT
HISTORY OF PREMIUMS AND BENEFITS

USING CURRENT EMPLOYEE CENSUS

April 15, 2025

PREMIUMS

		PLAN UTILIZATION				Proposed Rates (6/1/25 - 5/31/26)						Current Rates (6/1/24 - 5/31/25)					
						EMPLOYEE OPTION 3		EMPLOYEE OPTION 2		EMPLOYEE OPTION 1		EMPLOYEE OPTION 3		EMPLOYEE OPTION 2		EMPLOYEE OPTION 1	
						BLUE CROSS BLUE SHIELD OF ILLINOIS		BLUE CROSS BLUE SHIELD OF ILLINOIS		BLUE CROSS BLUE SHIELD OF ILLINOIS		BLUE CROSS BLUE SHIELD OF ILLINOIS		BLUE CROSS BLUE SHIELD OF ILLINOIS		BLUE CROSS BLUE SHIELD OF ILLINOIS	
						RICH PPO PLAN (NARROW NETWORK)		Hybrid PPO PLAN		RICH HMO PLAN		RICH PPO PLAN (NARROW NETWORK)		Hybrid PPO PLAN		RICH HMO PLAN	
MEDICAL	ALL	WAIVE	RICH PPO	HYBRID PPO	HMO	Monthly Premium	Cost based on utilization	Monthly Premium	Cost based on utilization	Monthly Premium	Cost based on utilization	Monthly Premium	Cost based on utilization	Monthly Premium	Cost based on utilization	Monthly Premium	Cost based on utilization
MED-CLASS 1-EMPLOYEE ONLY		0	3	1	7	$962.60	$2,887.80	$892.05	$892.05	$745.95	$5,221.65	$871.26	$2,613.78	$801.97	$801.97	$711.37	$4,979.59
MED-CLASS 2-EEE&SPOUSE		0	0	0	3	$1,925.20	$0.00	$1,784.10	$0.00	$1,491.90	$4,475.70	$1,742.52	$0.00	$1,603.94	$0.00	$1,422.74	$4,268.22
MED-CLASS 3-EEE&CHILD(REN)		0	3	0	2	$1,780.81	$5,342.43	$1,650.29	$0.00	$1,380.01	$2,760.02	$1,611.83	$4,835.49	$1,483.64	$0.00	$1,316.03	$2,632.06
MED-CLASS 4-FAMILY		0	3	2	8	$2,743.41	$8,230.23	$2,542.34	$5,084.68	$2,125.96	$17,007.68	$2,483.09	$7,449.27	$2,285.61	$4,571.22	$2,027.40	$16,219.20
	32	0	9	3	20		$16,460.46		$5,976.73		$29,465.05		$14,898.54		$5,373.19		$28,099.07
MONTHLY PREMIUM							$16,460.46		$5,976.73		$29,465.05		$14,898.54		$5,373.19		$28,099.07
ANNUAL PREMIUMS							$197,525.52		$71,720.76		$353,580.60		$178,782.48		$64,478.28		$337,188.84
EMPLOYEE CONTRIBUTIONS							($18,019.87)		($6,636.85)		($32,225.07)		($16,309.98)		($5,966.65)		($30,731.13)
NET ANNUAL PREMIUM FOR PLANS WITH CONTRIBUTIONS							$179,505.65		$65,083.91		$321,355.53		$162,472.50		$58,511.63		$306,457.71
PERCENT CHANGE - MEDICAL BEFORE CONTRIBUTIONS						7.30%	$622,826.88						$580,449.60				
PERCENT CHANGE - PROPOSED MEDICAL PREMIUMS AFTER CONTRIBUTIONS						7.30%	$565,945.09						$527,441.84				
HRA EMPLOYER PAID CONTRIBUTIONS							$7,200.00						$7,200				
PROPOSED MEDICAL AFTER CONTRIBUTIONS AND WITH HRA							$573,145.09						$534,641.84				
LIFE INSURANCE MONTHLY						$12.50	$400.00					$12.50	$400.00				
						PRINCIPAL						PRINCIPAL					
DENTAL						1 YEAR (06/01/25 - 5/31/26)						1 YEAR (06/01/24 - 5/31/25)					
DENTAL-CLASS 1-EMPLOYEE ONLY	10					37.52	$375.20					36.43	$364.30				
DENTAL-CLASS 2-EEE&SPOUSE	3					76.19	$228.57					73.97	$221.91				
DENTAL-CLASS 3-EEE&CHILD(REN)	4					93.58	$374.32					90.86	$363.44				
DENTAL-CLASS 4-FAMILY	15					138.96	$2,084.40					134.92	$2,023.80				
MONTHLY PREMIUM	32						$3,062.49						$2,973.45				
ANNUAL PREMIUMS							$36,749.88						$35,681.40				
PERCENT CHANGE-DENTAL ONLY							2.99%						5.02%				
						EYEMED						EYEMED					
						4 YEAR RATE GUARANTEE						4 YEAR RATE GUARANTEE					
						(06/01/24-05/31/28)						(06/01/24-05/31/28)					
VISION																	
VISION-CLASS 1-EMPLOYEE ONLY	10					$6.52	$65.20					$6.52	$65.20				
VISION-CLASS 2-EEE&SPOUSE	3					$12.40	$37.20					$12.40	$37.20				
VISION-CLASS 3-EEE&CHILD(REN)	4					$13.05	$52.20					$13.05	$52.20				
VISION-CLASS 4-FAMILY	15					$19.19	$287.85					$19.19	$287.85				
MONTHLY PREMIUM	32						$442.45						$442.45				
ANNUAL PREMIUMS							$5,309.40						$5,309.40				
PERCENT CHANGE - VISION ONLY							0.00%						1.77%				
PERCENT CHANGE - ALL COVERAGES																	
TOTAL MONTHLY PREMIUM							$51,667.03						$47,369.39				
TOTAL ANNUAL PREMIUMS							$620,004.37						$575,632.64				
PERCENT CHANGE - ALL COVERAGES							7.71%										
ANNUAL AVERAGE PERCENT CHANGE OVER SIX YEARS							5.67%										

MEDICAL BENEFITS

	Proposed Rates (6/1/25 - 5/31/26)			Current Rates (6/1/24 - 5/31/25)		
MEDICAL PLAN NAME	Blue Cross Blue Shield of Illinois P5E1BCE Blue Choice Preferred	Blue Cross Blue Shield of Illinois G506OPT Blue Options	Blue Cross Blue Shield of Illinois P506PSN HMO Blue Precision	Blue Cross Blue Shield of Illinois P5E1BCE Blue Choice Preferred	Blue Cross Blue Shield of Illinois G506OPT Blue Options	Blue Cross Blue Shield of Illinois P506PSN HMO Blue Precision
ANNUAL DEDUCTIBLE-IN NETWORK - INDIVIDUAL	**$600**	**$850 BC/$2,100 PPO**	$0	$500	$750 BC/$2,000 PPO	$0
ANNUAL DEDUCTIBLE-IN NETWORK - FAMILY MAXIMUM	**$1,800**	**$2,550 BC/$6,300 PPO**	$0	$1,500	$2,250 BC/$6,000 PPO	$0
ANNUAL OUT OF POCKET-IN NETWORK - INDIVIDUAL	**$1,750**	**$7,000 BC/$8,750 PPO**	**$1,750**	$1,500	$6,750 BC/$8,500 PPO	$1,500
ANNUAL OUT OF POCKET-IN NETWORK - FAMILY MAXIMUM	**$5,250**	**$17,500 BC/$18,400 PPO**	**$5,250**	$4,500	$17,300 BC/$18,200 PPO	$4,500
ANNUAL DEDUCTIBLE-OUT OF NETWORK - INDIVIDUAL	**$1,200**	**$4,200**	N/A	$1,000	$4,000	N/A
ANNUAL DEDUCTIBLE-OUT OF NETWORK - FAMILY MAXIMUM	**$3,600**	**$12,600**	N/A	$3,000	$12,000	N/A
ANNUAL OUT OF POCKET-OUT OF NETWORK - INDIVIDUAL	Unlimited	Unlimited	N/A	Unlimited	Unlimited	N/A
ANNUAL OUT OF POCKET-OUT OF NETWORK - FAMILY MAXIMUM	Unlimited	Unlimited	N/A	Unlimited	Unlimited	N/A
OFFICE VISIT CO-PAY (PCP / SPECIALIST)	**$25/$50**	**$45/$70 BC - $65/$110 PPO**	**$15 PCP**/$45 specialist	$20 / $40	$40/$60 BC - $60/$100 PPO	$10 PCP/$45 specialist
INPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE/COPAY	$200 then Ded/Coins	$250 BC/$500 PPO then Ded/Coins	$150 Copay then 0%	$200 then Ded/Coins	$250 BC/$500 PPO then Ded/Coins	$150 Copay then 0%
OUTPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE/COPAY	$150 then Ded/Coins	$200 BC/$400 PPO then Ded/Coins	$100 Copay then 0%	$150 then Ded/Coins	$200 BC/$400 PPO then Ded/Coins	$100 Copay then 0%
INPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE - OUT OF NETWORK	$300 then Ded/Coins	$600 then Ded/Coins	N/A	$300 then Ded/Coins	$600 then Ded/Coins	N/A
OUTPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE - OUT OF NETWORK	$250 then Ded/Coins	$500 then Ded/Coins	N/A	$250 then Ded/Coins	$500 then Ded/Coins	N/A
ER CO-PAY	$400 then Ded/Coins	$600 then Ded/Coins	$300 Ded then 0%	$400 then Ded/Coins	$600 then Ded/Coins	$300 Ded then 0%
COINSURANCE PERCENTAGE	90/10	80/20 BC 60/40 PPO - OON - 50/50	100/0	90/10	80/20 BC 60/40 PPO - OON - 50/50	100/0
DISCOUNTED PHARMACY CO-PAYS	**$5/$15/$60/$110/$250/$350**	**$15/$25/$60/$110/$350/$450**	**$5/$15/$60/$110/$250/$350**	$0/$10/$50/$100/$150/$250	$10/$20/$50/$100/$150/$250	$0/$10/$50/$100/$150/$250
2ND TIER PHARMACY CO-PAYS						
LT MAX-IN NETWORK	NONE	NONE	NONE	NONE	NONE	NONE
LT MAX-OUT OF NETWORK	NONE	NONE	NONE	NONE	NONE	NONE
LIFE INSURANCE (BY ASSORTED CARRIERS)	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

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

DATE: April 11, 2025

RE: DGSD Annual Newsletter

Copies of the following items are attached for the Board's review at the April 15 meeting:

1) DGSD Annual newsletter
2) WWTC Open House Invitation insert
3) Biosolids Distribution Program brochure
4) Easy Pay transfer form/Invoice Cloud portal announcement insert

The newsletter this year has updated information and is in a full-color format. We are highlighting the District's sewer programs on the front page to remind customers they are available to them. In anticipation of the new billing portal and ending the District's Easy Pay program, we have included an insert announcing the portal and a form authorizing the District to transfer customer's banking information to the new ACH autopay on the new portal.

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

Attachments

cc: BOLI, ARU, DM

Downers Grove Sanitary District

2025 Annual
NEWSLETTER

"Providing a Better Environment for South Central DuPage County"

2710 Curtiss Street
Downers Grove, IL 60515
Phone: 630-969-0664
www.dgsd.org

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

Emergency Response
Available 24/7

Follow us on social media

Sunrise over secondary clarifiers and Operations Center at the wastewater treatment center.

SEWER PROBLEMS? OUR ASSISTANCE PROGRAMS CAN HELP!

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

Our assistance programs available to residents include:

Building Sanitary Service Repair Assistance Program

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

Example of a cleanout being installed (left) and a finished installation (right).

SEWER ASSISTANCE PROGRAMS CONTINUED

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

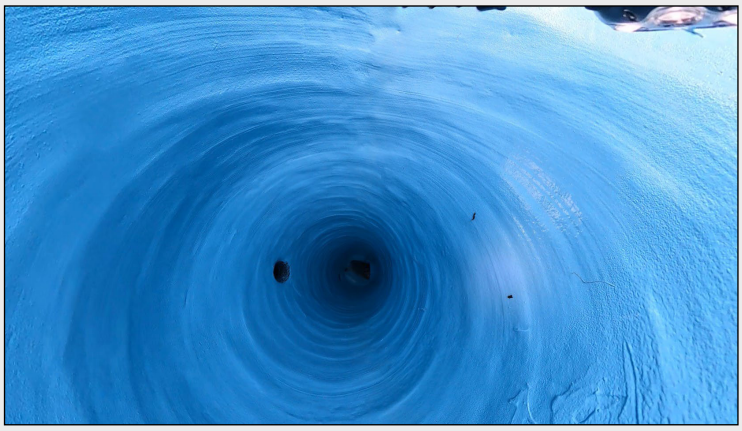
If District personnel determine that the sanitary sewer backup was caused by a blockage of the public sanitary sewer, the resident may be eligible for reimbursement of some costs associated with the backup. Please note that sanitary sewer backups occurring as a result of precipitation-related high flow 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.

CARING FOR OUR INFRASTRUCTURE

The District's most valuable asset is the sewer collection system which includes more than 250 miles of gravity sewers. Beyond these sewers, there are nearly 300 miles of privately owned building service pipes that connect buildings to the public mains owned by the District. The District also owns nine lift stations that are used to pump sewage uphill to another gravity sewer to transport the sewage 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.

This sewer system dates back as far as 1904 and requires 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 been using a state-of-the-art trenchless sewer rehabilitation 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. Photos below show the inside of a sewer pipe before rehabilitation (left) and after (right) the CIPP process.



2025 CONSTRUCTION PROJECTS

Warren Avenue Sewer Rehabilitation

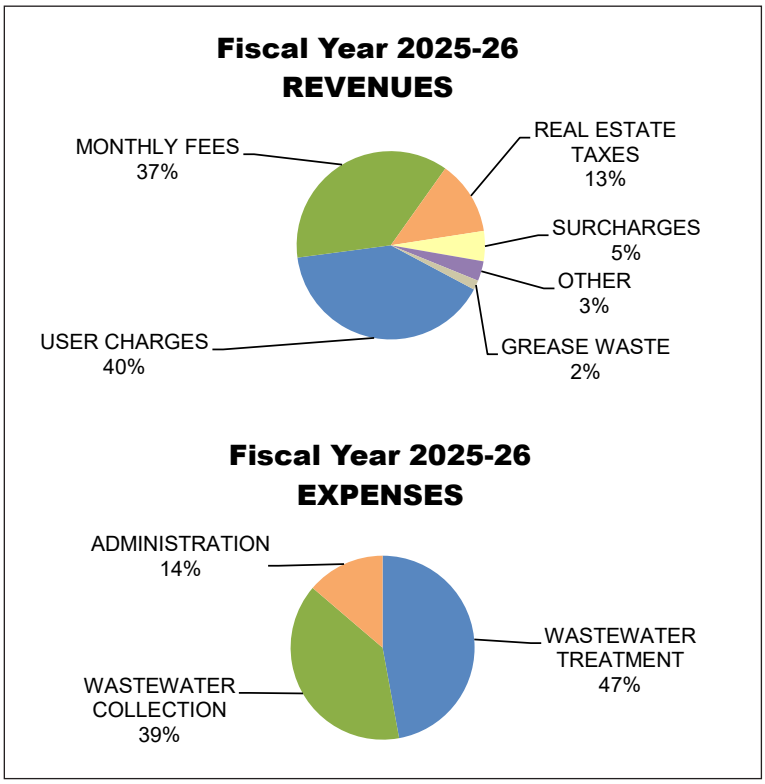
Approximately 800 lineal feet of 36" reinforced concrete sanitary sewer which runs under Warren Avenue between Seeley Avenue and Oakwood Avenue in Downers Grove will be rehabilitated this year using cured-in-place sanitary sewer liner.

Wroble Force Main Replacement

Approximately 600 lineal feet of 16" force main which runs south of 63rd Street under Fairview Avenue (the border between Downers Grove and Westmont) will be replaced this year. This is a section of the force main which carries pumped sewage from the District's Wroble Lift Station to the gravity sewer system.

OPERATING BUDGET

The District maintains a five-year plan, which projects revenues and expenses for all District activities, available for review on our website. The five-year plan includes the approved budget for the current fiscal year. General corporate revenues are projected to be $12.19 million and expenses are projected to be $13.29 million. The expenses include $5,200,700 for the sewer system, $6,262,011 for wastewater treatment and $1,826,390 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, maintenance and replacement.



CHANGE IN SEWER BILL RATES 2025

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 $3.25 from $2.75 per 1,000 gallons of water consumption and the monthly fee increased to $21.00 from $20.00 per account. Sampling and monitoring charges assessed to commercial and industrial users increased, effective April 6, 2025. 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 $1,579,654 for repairs to the sanitary sewer infrastructure, a 5% increase from last year. This levy results in a tax rate of $0.0395 per $100 of assessed value. A single-family residence with a market value of $300,000 will pay $39.50 in real estate taxes to the District in 2025.

NEW CUSTOMER BILLING PORTAL INCLUDING NEW ACH PAYMENT OPTION

This summer the District will be launching a new, user-friendly customer billing portal. The new portal offers seamless access from any mobile device or computer, making paying your sewer bill easier than ever. The District is committed to providing customers with a more accessible and efficient service.

The new billing portal, hosted through Invoice Cloud, will allow customers to:

- Register accounts for all properties;
- Make or schedule payments using a credit card or banking information;
- Enroll in new, secure FREE ACH AutoPay;
- Sign up for AutoPay and Paperless Billing;
- Use the "Guest Pay" feature to pay account balances;
- Monitor payment and account history;
- View/print a PDF of your bills; and
- Enroll in Pay by Text.

As part of this transition, the current Easy Pay program offered by the District will be replaced by a new, free ACH payment option available through Invoice Cloud starting **June 2, 2025**. To continue your automatic ACH payments, customers must authorize the District to securely transfer your account details to Invoice Cloud by visiting **www.dgsd.org/easypay-transfer** or completing the enclosed form.

Customers can also pay their bills by mail, in person or via dropboxes located throughout the District. Learn more about payment options at **www.dgsd.org/youraccount.**

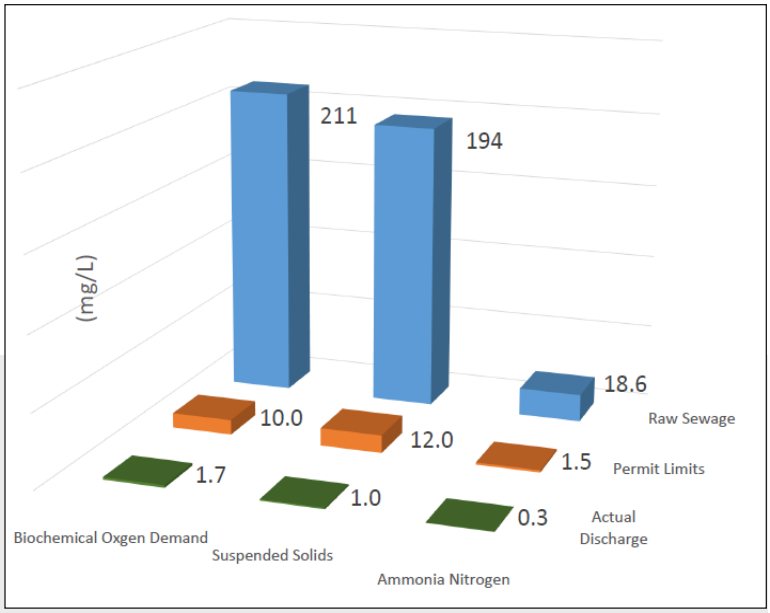
InvoiceCloud®

Please note, the District no longer has a P.O. Box mailing address. If you use the bill payment feature through your bank, please update our address to:

2710 Curtiss St.
Downers Grove, IL 60515

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 to the right indicates the successful treatment provided by the District during 2024 for three major NPDES permit parameters.



Illinois Wastewater Surveillance System

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

The initiative is a collaboration between the Illinois Department of Public Health (IDPH) and the University of Illinois System's Discovery Partners Institute (DPI). The program aims to deliver actionable information to public health decision makers. Learn more at **iwss.uillinois.edu**.

Watershed Group

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

DISTRICT SUPPORTS #FLUSHSMART CAMPAIGN

In July 2022, an Illinois law went into effect that now requires "Do Not Flush" labeling on non-flushable wipes, such as baby wipes and cleaning wipes, to prevent costly sewer clogs. This legislation aligns with the #FlushSmart campaign created by the Responsible Flushing Alliance and is supported by the District and other wastewater agencies statewide to educate residents about proper disposal. Improperly flushed items, including wipes, paper towels, and fats/oils/grease, cause significant damage to sewer systems. District customers are urged to look for the "Do Not Flush" symbol (as shown on the right) and dispose of these items in the trash to protect our infrastructure and community.

Our customers and residents in the surrounding area are also encouraged to recycle their used cooking oil through our Used Cooking Oil Recycling program. Used cooking oil can be dropped off any time at the Administration Center on the east side of the building. For more tips on how to keep your sewer system flowing smoothly, visit **www.dgsd.org/maintain-sewer-line**.

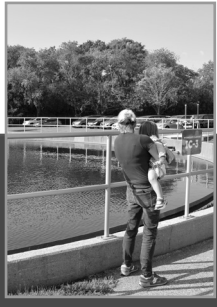
The Downers Grove Sanitary District is a separate unit of local government that provides sanitary sewerage service for you. We operate independently from your city or village. Our Board of Trustees meets monthly at the District office. These evening meetings are open to the public and include an opportunity 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. 4, 2025, from 9 a.m. to noon. If you have any questions regarding any of the information in this newsletter or would like to learn more about the District, please call the District office at 630-969-0664 or visit our website at **www.dgsd.org**.

BOARD OF TRUSTEES
DOWNERS GROVE SANITARY DISTRICT

Downers Grove
Sanitary District

OPEN HOUSE



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!

SATURDAY, OCT. 4, 2025
9 A.M. TO NOON

For more info, call 630-969-0664 or visit 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

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.

NEW CUSTOMER BILLING PORTAL

This summer the District will be launching a new, user-friendly customer billing portal. The new billing portal, hosted through Invoice Cloud, will allow customers to:

- Register accounts for all properties;
- Make or schedule payments using a credit card or banking information;
- Enroll in new, secure, free ACH AutoPay;
- Sign up for AutoPay and Paperless Billing;
- Use the “Guest Pay” feature to pay account balances;
- Monitor payment and account history;
- View/print a PDF of your bills; and
- Enroll in Pay by Text.

Please note, customers currently registered on our current customer portal will have to re-register on the new portal, re-sign up for automatic payments via credit card or checking account, re-sign up for paperless billing and enter payment options after June 2, 2025.

InvoiceCloud®

EasyPay Update – ACH autopay transferred to Invoice Cloud

As part of the transition to a new online billing portal, the current Easy Pay program offered by the District will be replaced by a new, free ACH payment option starting **June 2, 2025**. If you are currently enrolled in the District's Easy Pay program and want to continue your free automatic ACH payments, customers are required to authorize the District to securely transfer your account details to Invoice Cloud by completing the form below or visiting **www.dgsd.org/easypay-transfer**. You can also scan the QR code below.

I authorize the Downers Grove Sanitary District to transfer my bank account information to Invoice Cloud for the free ACH autopay.

If authorization is not received, your information will not be transferred.

If your account is not currently enrolled in EasyPay (different than the current customer portal) your account information will not be transferred.

_____ _____

Name(s) on Sewer Bill Sanitary District Account Number

_____ _____

Signature Date

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

Downers Grove Sanitary District

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

Providing a Better Environment for South Central DuPage County

MEMORANDUM

To: Board of Trustees

From : Amy Underwood, General Manager

Date: April 11, 2025

Subject: Contract Award – Wroble Force Main Replacement

Bids were opened for the Wroble Force Main Replacement project on April 8, 2025. Two bids were received. Both bidders were pre-qualified as required by the Downers Grove Sanitary District Pre-Qualification Policy. Baxter & Woodman reviewed the bids for conformance with the contract documents. A letter of recommendation from Baxter & Woodman recommending award of the contract to the lowest, responsible and responsive bidder, Uno Construction Co., Inc., in the amount of $408,880.00 is attached. The bid tabulation is also attached for your information.

The Improvement Fund (Fund 02) FY25-26 budget includes $550,000 for construction of this project and $15,000 for construction management engineering services.

At the April 15 Board meeting, I will request the Board award the Wroble Force Main Replacement project to the lowest responsible and responsive bidder, Uno Construction Co., Inc., in the amount of $408,880.00 and for the General Manager and Assistant Clerk to sign the same.

C: BOLI, CS, DM

BAXTER & WOODMAN
Consulting Engineers

April 9, 2025

President and Board of Trustees
Downers Grove Sanitary District
2710 Curtiss Street
Downers Grove, Illinois 60515

Attention: Ms. Amy R. Underwood, PE, General Manager

RECOMMENDATION TO AWARD

Subject: Downers Grove Sanitary District – Wroble Force Main Replacement

Dear President and Board of Trustees:

The following bids were received for the Project on April 8, 2025:

Bidder	Amount of Bid
Uno Construction Co. Inc. Downers Grove, IL	$408,880.00
Sheridan Plumbing & Sewer Inc. Bedford Park, IL	$556,607.50

Our Engineer's Estimate of Probable Cost for this Project was $460,000. We have analyzed each of the bids and find Uno Construction Co. Inc. to be the lowest responsible Bidder.

Uno Construction Co. Inc. has successfully completed past street projects for the District and maintains a good working relationship with the District. Based upon our familiarity and past working relationships with Uno Construction Co. Inc., we believe that they are qualified to complete the Project.

We recommend the award of the Contract to Uno Construction Co. Inc. in the amount of $408,880.00.

Sincerely,

BAXTER & WOODMAN, INC.
CONSULTING ENGINEERS

Shane M. Firsching, PE

SMF:jmc
P:\DGSD1\2400581-Wroble Force Main Re\00-Design\12-Bidding\Letter of Recommendation - Wroble.docx

Downer's Grove Sanitary District, Illinois
Wroble Force Main Replacement

Bid Date/Time: April 8, 2025 @ 10:00 AM
Engineer's Job No. 2400581.00

				Engineer's Estimate		Uno Construction Co., Inc.		Sheridan Plumbing & Sewer, Inc.	
No.	Item	QTY	Unit	Unit Price	Total Price	Unit Price	Total	Unit Price	Total
1.2	PRECONSTRUCTION VIDEO RECORDING	1	LSUM	$ 1,000.00	$ 1,000.00	$ 320.00	$ 320.00	$ 1,000.00	$ 1,000.00
1.3	TRAFFIC CONTROL AND PROTECTION	1	LSUM	$ 40,000.00	$ 40,000.00	$ 7,500.00	$ 7,500.00	$ 25,000.00	$ 25,000.00
1.4	EROSION AND SEDIMENTATION CONTROL								
	INLET PROTECTION FILTER	7	EACH	$ 250.00	$ 1,750.00	$ 40.00	$ 280.00	$ 175.00	$ 1,225.00
	SILT FENCE	80	LIN. FT.	$ 4.00	$ 320.00	$ 3.00	$ 240.00	$ 5.00	$ 400.00
1.5	TREE ROOT PRUNING	1	EACH	$ 500.00	$ 500.00	$ 50.00	$ 50.00	$ 400.00	$ 400.00
1.6	REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL	180	CU. YD.	$ 80.00	$ 14,400.00	$ 75.00	$ 13,500.00	$ 155.00	$ 27,900.00
1.7	SOIL TESTS FOR CONTAMINANTS	2	EACH	$ 1,000.00	$ 2,000.00	$ 4,000.00	$ 8,000.00	$ 1,200.00	$ 2,400.00
1.8	CONTAMINATED WASTE DISPOSAL	40	TON	$ 85.00	$ 3,400.00	$ 150.00	$ 6,000.00	$ 89.00	$ 3,560.00
1.9	FORCE MAIN (OPEN CUT, R.J.T.), 16-INCH, PVC	603	LIN. FT.	$ 195.00	$ 117,585.00	$ 250.00	$ 150,750.00	$ 405.00	$ 244,215.00
1.10	NON-PRESSURE CONNECTION, 16-INCH	2	EACH	$ 8,000.00	$ 16,000.00	$ 4,000.00	$ 8,000.00	$ 13,000.00	$ 26,000.00
1.11	TEMPORARY NON-PRESSURE CONNECTION, 16-INCH	3	EACH	$ 8,000.00	$ 24,000.00	$ 3,500.00	$ 10,500.00	$ 3,500.00	$ 10,500.00
1.12	REMOVE AND REPLACE INLETS	3	EACH	$ 3,500.00	$ 10,500.00	$ 1,500.00	$ 4,500.00	$ 3,500.00	$ 10,500.00
1.13	GRANULAR BACKFILL	1,100	TON	$ 35.00	$ 38,500.00	$ 55.00	$ 60,500.00	$ 31.50	$ 34,650.00
1.14	HOT-MIX ASPHALT SURFACE REMOVAL (COLD MILLING)	890	SQ. YD.	$ 15.00	$ 13,350.00	$ 5.00	$ 4,450.00	$ 18.00	$ 16,020.00
1.15	PAVEMENT RESTORATION								
	HMA SURFACE, 3-INCH	670	SQ. YD.	$ 50.00	$ 33,500.00	$ 26.00	$ 17,420.00	$ 32.00	$ 21,440.00
	HMA SURFACE, 2-INCH	140	SQ. YD.	$ 40.00	$ 5,600.00	$ 25.00	$ 3,500.00	$ 30.00	$ 4,200.00
	HMA BASE, 8-INCH	670	SQ. YD.	$ 45.00	$ 30,150.00	$ 120.00	$ 80,400.00	$ 65.00	$ 43,550.00
	HMA DRIVEWAY, 2-INCH SURFACE	90	SQ. YD.	$ 90.00	$ 8,100.00	$ 15.00	$ 1,350.00	$ 25.00	$ 2,250.00
	HMA DRIVEWAY, 6-INCH BASE	90	SQ. YD.	$ 90.00	$ 8,100.00	$ 15.00	$ 1,350.00	$ 45.00	$ 4,050.00
	CURB & GUTTER, B6.12	630	LIN. FT.	$ 70.00	$ 44,100.00	$ 17.00	$ 10,710.00	$ 55.00	$ 34,650.00
	DETECTOR LOOP REMOVAL AND REPLACEMENT	40	LIN. FT.	$ 75.00	$ 3,000.00	$ 50.00	$ 2,000.00	$ 200.00	$ 8,000.00
1.16	PAVEMENT MARKING								
	WIDTH, 4-INCH	1,500	LIN. FT.	$ 4.00	$ 6,000.00	$ 2.00	$ 3,000.00	$ 2.50	$ 3,750.00
	WIDTH, 6-INCH	30	LIN. FT.	$ 6.00	$ 180.00	$ 3.00	$ 90.00	$ 3.25	$ 97.50
	WIDTH, 12-INCH	110	LIN. FT.	$ 12.00	$ 1,320.00	$ 3.00	$ 330.00	$ 5.50	$ 605.00
	WIDTH, 24-INCH	30	LIN. FT.	$ 12.00	$ 360.00	$ 7.00	$ 210.00	$ 10.75	$ 322.50
	SYMBOLS AND LETTERS	30	SQ. FT.	$ 20.00	$ 600.00	$ 5.00	$ 150.00	$ 10.25	$ 307.50
1.17	RESTORATION OF LAWNS AND PARKWAYS	740	SQ. YD.	$ 25.00	$ 18,500.00	$ 17.00	$ 12,580.00	$ 40.00	$ 29,600.00
1.18	SUPPLEMENTAL WATERING	15	DAY	$ 1,000.00	$ 15,000.00	$ 80.00	$ 1,200.00	$ 1.00	$ 15.00
	TOTAL AMOUNT OF BIDS				**$ 460,000.00**		**$ 408,880.00**		**$ 556,607.50**

Downers Grove Sanitary District

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

Providing a Better Environment for South Central DuPage County

MEMORANDUM

To: Board of Trustees

From : Amy Underwood, General Manager

Date: April 11, 2025

Subject: Contract Award – 2025 Digester 1 Cleaning

The District budgeted $163,000 to clean Digester 1 in FY 25-26. Digester 1 was last cleaned in 2016.

Bids were opened for the 2025 Digester 1 Cleaning project on April 10, 2025. We received three bids for the project. The bid tabulation is attached for your information. Synagro Central, LLC (Synagro) of Baltimore, Maryland was the lowest bidder with a bid of $132,703.

Synagro is well qualified to do this work.

At the April 15 Board meeting, I will request the Board award the 2025 Digester 1 Cleaning project to the lowest responsible and responsive bidder, Synagro Central, LLC, in the amount of $132,703 and for the General Manager and Assistant Clerk to sign the same.

C: BOLI, CS, DM

DOWNERS GROVE SANITARY DISTRICT
2025 Digester 1 Cleaning Project
BID TABULATION
April 10, 2025

Bidder	Synagro Central, LLC 435 Williams Ct. Suite 100 Baltimore, MD 21220	M & J Asphalt Paving Co., Inc. 3124 South 60th Ct. Cicero, IL 60804	Stewart Spreading 3870 N. Route 71 Sheridan, IL 60551
Scope of Work			
1. Mobilization and Demobilization of Equipment	$38,953.00	$3,210.00	$10,000.00
2. Digester 1 Cleaning (Price per gallon X estimate of 250,000 gals.)	$93,750.00	$175,000.00	$155,000.00
TOTAL BID:	$132,703.00	$178,210.00	$165,000.00
Bid Bond	10%	10%	10%
Addenda Acknowleged	2	2	2
Statement of Experience	X	X	X
Illinois Prevailing Wage Act & Substance Abuse Prevention Acknowledgement	X	X	X

To: Board of Trustees
From: Amy Underwood
Re: Facility Planning Report for March 2025
Date: April 11, 2025

A payment request from Baxter & Woodman (B&W) for this project is included in the April Claim Ordinance.

Engineer's Fee	$320,000.00
Total Completed to Date	$152,990.86
Less Previous Payments	-$138,791.36
Current Payment Due	**$14,199.50**
Remaining	$167,009.14

District staff are preparing population projections.

Ultrasonic testing of the steel structure wall thickness for the Hobson and Wroble lift stations is being scheduled. The results will assist District staff in determining lift station useful life and replacement needs. Once the results are received, a meeting will be scheduled with B&W to start the lift station portion of the Facility Plan.

B&W provided the draft basis of design refinement for the Wastewater Treatment Center (WWTC) to the District for review with some questions for us to answer.

Engineers from B&W visited the WWTC on April 8 for a site tour of the facility. Deficiencies and needs were discussed.

C: BOLI, CS, DM

BOARD OF LOCAL IMPROVEMENTS
DOWNERS GROVE SANITARY DISTRICT

PROPOSED AGENDA
April 15th, 2025
6:45 p.m.

I. Approve Minutes of March 18th, 2025

II. Public Comment

III. P717: 100 39th Street – 35 Single Family Home Subdivision

BOARD OF LOCAL IMPROVEMENTS
MINUTES

March 18, 2025

A meeting of the Board of Local Improvements of the Downers Grove Sanitary District was held on Tuesday, March 18, 2025. The meeting was held at the District's Administration Center, 2710 Curtiss Street, Downers Grove. Present were Board Members Kenneth J. Rathje, Robert T. Jungwirth, and Mark J. Scacco, and General Manager Amy R. Underwood, Administrative Supervisor Carly Shaw, Sewer Construction Supervisor Keith W. Shaffner, Information Coordinator Alyssa J. Caballero, and Trustees Amy E. Sejnost and Mark Eddington. President Rathje called the meeting to order at 6:45 p.m.

Minutes of November 19, 2024, Meeting

A motion was made by Scacco seconded by Jungwirth approving the revised minutes of the meeting held on November 19, 2024. The motion carried.

Public Comment – None

P716 – 1034 Norfolk Street, Downers Grove

The Board reviewed a request for sanitary sewer service from Meilie Tsai, homeowner, for proposed new single-family home property with a gross acreage of .21 acres. This property is within the District's Facilities Planning Area but is not within the District's current corporate limits. The proposed home will generate an estimated wastewater flow of 350 gallons per day. Service can be provided by extending the sanitary sewer main located on Norfolk Street. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommended approval of this request. Jungwirth inquired about the direction of the extension as related to the Unsewered Area Plan. Staff informed Jungwirth that the property can be served by a sewer extension from the east or the west sewer main on Norfolk. Rathje inquired about what properties could be included in the recapture if completed for this project. Staff informed Rathje that there would be two other homes that would benefit from the proposed sewer extension. The two homes would be 1030 Norfolk and 1031 Norfolk. A motion was made by Scacco seconded by Jungwirth approving this request subject to annexation, receipt of Illinois EPA permit, payment of all fees per ordinance, compliance with all District ordinances and standard conditions. The motion carried. (Votes recorded: Ayes–Rathje, Jungwirth and Scacco.)

Upon a motion by Jungwirth seconded by Scacco, the meeting was adjourned at 6:54 p.m. The motion carried.

Approved: April 15, 2025

_____
President

Attest: _____
Clerk

BOARD OF LOCAL IMPROVEMENTS
April 15, 2025
STAFF BRIEFING

P717: 100 39th Street, Downers Grove, IL

REQUEST:

Anna Sutton from M/I Homes of Chicago, LLC, is requesting sanitary sewer service for a proposed 35 single-family home subdivision. The property has a gross acreage of 20.7 acres. It is within the District's Facilities Planning Area (FPA) but not within current corporate limits. The proposed 35 single family home subdivision will generate an estimated wastewater flow of 12,250 gallons per day. This flow is based on 350 gallons per day per single family home. The Sanitary District design allocation for 10 PE per acre is well above the estimated waste water flow from the homes of 122.5 PE.

SUMMARY:

Service can be provided to 18 of the proposed homes by existing sanitary sewer main on 39th Street, Cumnor Road, and Williams Street. The other 17 homes will need a 900-foot sanitary sewer main extension. The sanitary sewer main extension will be extended from the sanitary sewer main on 39th Street. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommend approval of this request subject to receipt of an Illinois EPA permit, Annexation and payment of all fees per ordinance.

DATE 03/31/25

P717

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

SANITARY SEWER SERVICE REQUEST

Location 100 39th Street, Downers Grove, IL 60515

Legal Description Lot n/a Block n/a Subdivision n/a

W40 - Utility Billing Jurisdiction P.I.N. 06-33-300-006

Name of Owner on Deed M/I Homes of Chicago, LLC Phone No. _____

Developer M/I Homes Phone No. _____

Name of Person Making Request Anna Sutton Phone No. (312) 995-2268

E mail: asutton@mihomes.com

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

2135 City Gate Ln, Suite 620, Naperville, IL 60563

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

Number of Acres Involved 18.47 Present Zoning R-4 - DuP Proposed Zoning R-3/PUD (DG)

Is the Property (A) Improved no (B) Vacant yes

(A) If Improved, Describe Improvements Currently two vacant radio buildings are on property. Along with three radio towers.

Number & Type of Units 35, single-family units & 4-bedrooms

(B) If Vacant or Additional Improvements or Remodeling Are Proposed, Describe M/I Homes plans to make improvements to the ROW, watermain, wetland, bicycle path, and single family units.

_____ Number & Type of Units 35, single-family, 4-bd

Estimated Starting Date of Project Fall of 2025

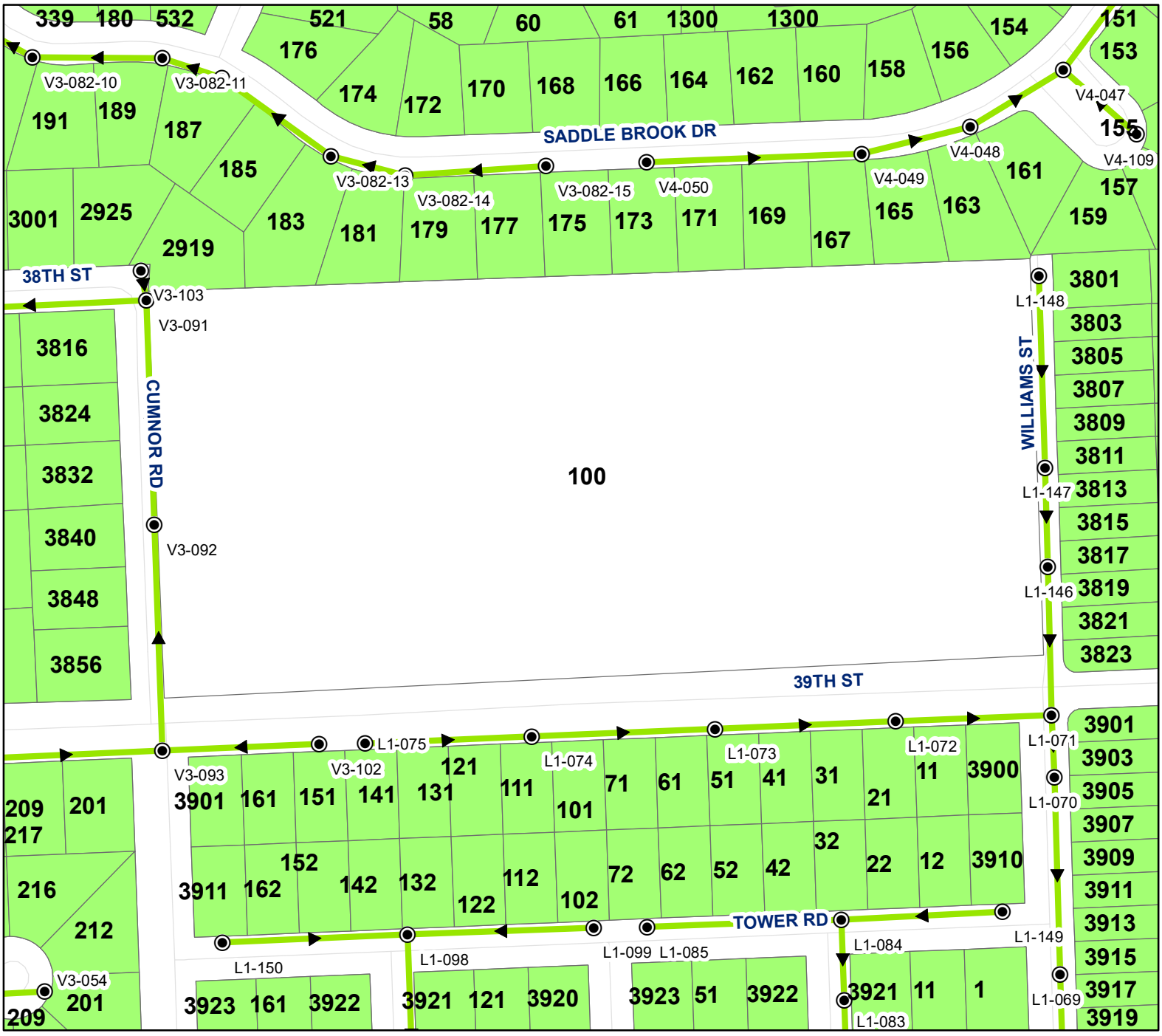
If You Propose to Annex to a Community, Which One Downers Grove - annexation

NOTE: If this request is for

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

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

Downers Grove Sanitary District
P717 - M/I Homes Subdivision
100 39th Street

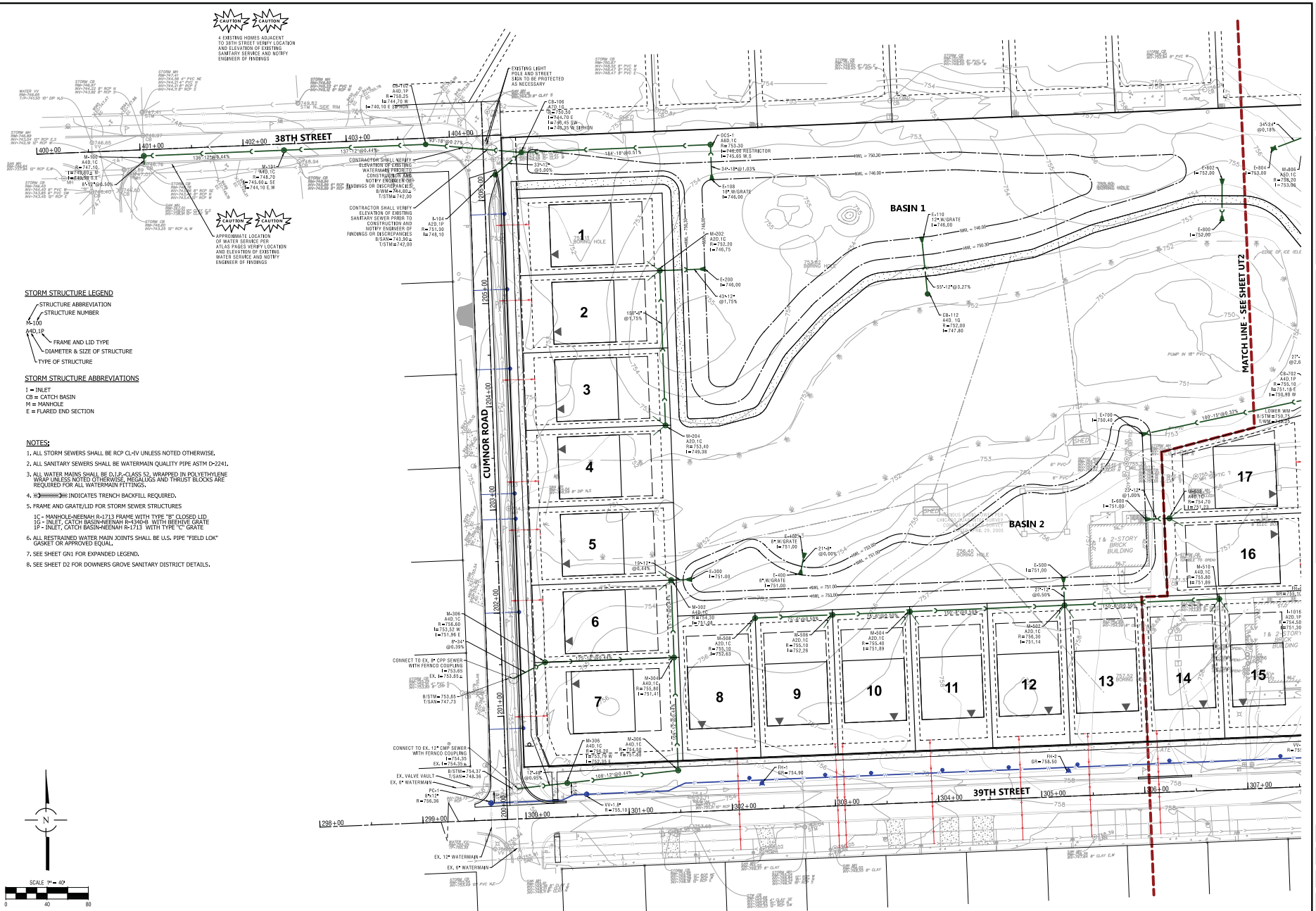


Legend

- Sanitary Manholes
- Sanitary Sewer
- annexed_parcels

0 87.5 175 350 Feet

N W E S



STORM STRUCTURE LEGEND

STRUCTURE ABBREVIATION
STRUCTURE NUMBER
M-100
A4D.1P
FRAME AND LID TYPE
DIAMETER & SIZE OF STRUCTURE
TYPE OF STRUCTURE

STORM STRUCTURE ABBREVIATIONS

I = INLET
CB = CATCH BASIN
M = MANHOLE
E = FLARED END SECTION

NOTES:

1. ALL STORM SEWERS SHALL BE RCP CL-IV UNLESS NOTED OTHERWISE.
2. ALL SANITARY SEWERS SHALL BE WATERMAIN QUALITY PIPE ASTM D-2241.
3. ALL WATER MAINS SHALL BE D.I.P.-CLASS 52, WRAPPED IN POLYETHYLENE WRAP UNLESS NOTED OTHERWISE, MEGALUGS AND THRUST BLOCKS ARE REQUIRED FOR ALL WATERMAIN FITTINGS.
4. INDICATES TRENCH BACKFILL REQUIRED.
5. FRAME AND GRATE/LID FOR STORM SEWER STRUCTURES
   1C - MANHOLE-NEENAH R-1713 FRAME WITH TYPE "B" CLOSED LID
   1G - INLET, CATCH BASIN-NEENAH R-4340-B WITH BEEHIVE GRATE
   1P - INLET, CATCH BASIN-NEENAH R-1713 WITH TYPE "C" GRATE
6. ALL RESTRAINED WATER MAIN JOINTS SHALL BE U.S. PIPE "FIELD LOK" GASKET OR APPROVED EQUAL.
7. SEE SHEET GN1 FOR EXPANDED LEGEND.
8. SEE SHEET D2 FOR DOWNERS GROVE SANITARY DISTRICT DETAILS.

NO.	DATE	REMARKS

UTILITY PLAN - 1

TALON PRESERVE
DOWNERS GROVE, DUPAGE COUNTY, ILLINOIS

Spaceco
Civil Engineering & Surveying
Rosemont, IL - Morris, IL - Indianapolis, IN
spacecoinc.com

FILENAME: 13635-UT01.DGN
DATE: 03/24/2025
JOB NO. 13635
SHEET UT1
11 OF 27

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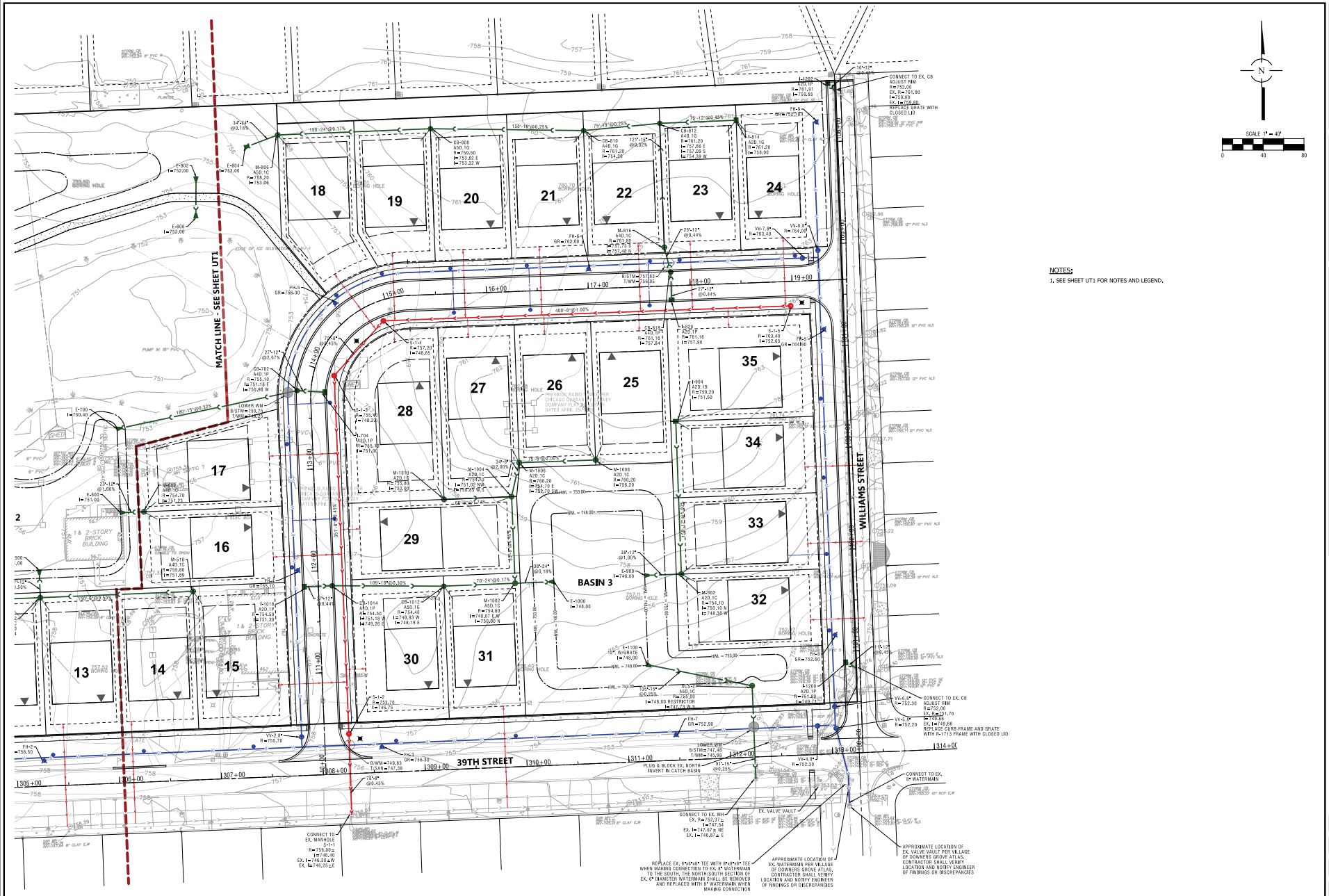

NOTES:

1. SEE SHEET UT1 FOR NOTES AND LEGEND.

NO.	DATE	REMARKS

UTILITY PLAN - 2

TALON PRESERVE

DOWNERS GROVE, DUPAGE COUNTY, ILLINOIS

Spaceco
Civil Engineering & Surveying
Rosemont, IL - Morris, IL - Indianapolis, IN
spacecoinc.com

FILENAME: 13635-UT02.DGN

DATE: 03/24/2025

JOB NO. 13635

SHEET UT2

12 OF 27

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FINAL PLAT OF SUBDIVISION
FOR
TALON PRESERVE

THE SOUTH 1/2 OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 33, TOWNSHIP 39 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, (EXCEPT THE SOUTH 50 FEET OF THE SOUTH 1/2 OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 33) IN DUPAGE COUNTY, ILLINOIS.

ALSO KNOWN AS THE SOUTH 10 CHAINS (660 FEET) OF THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 39 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN (EXCEPT THE SOUTH 50 FEET THEREOF) IN DUPAGE COUNTY, ILLINOIS.

TOTAL AREA OF SUBDIVISION

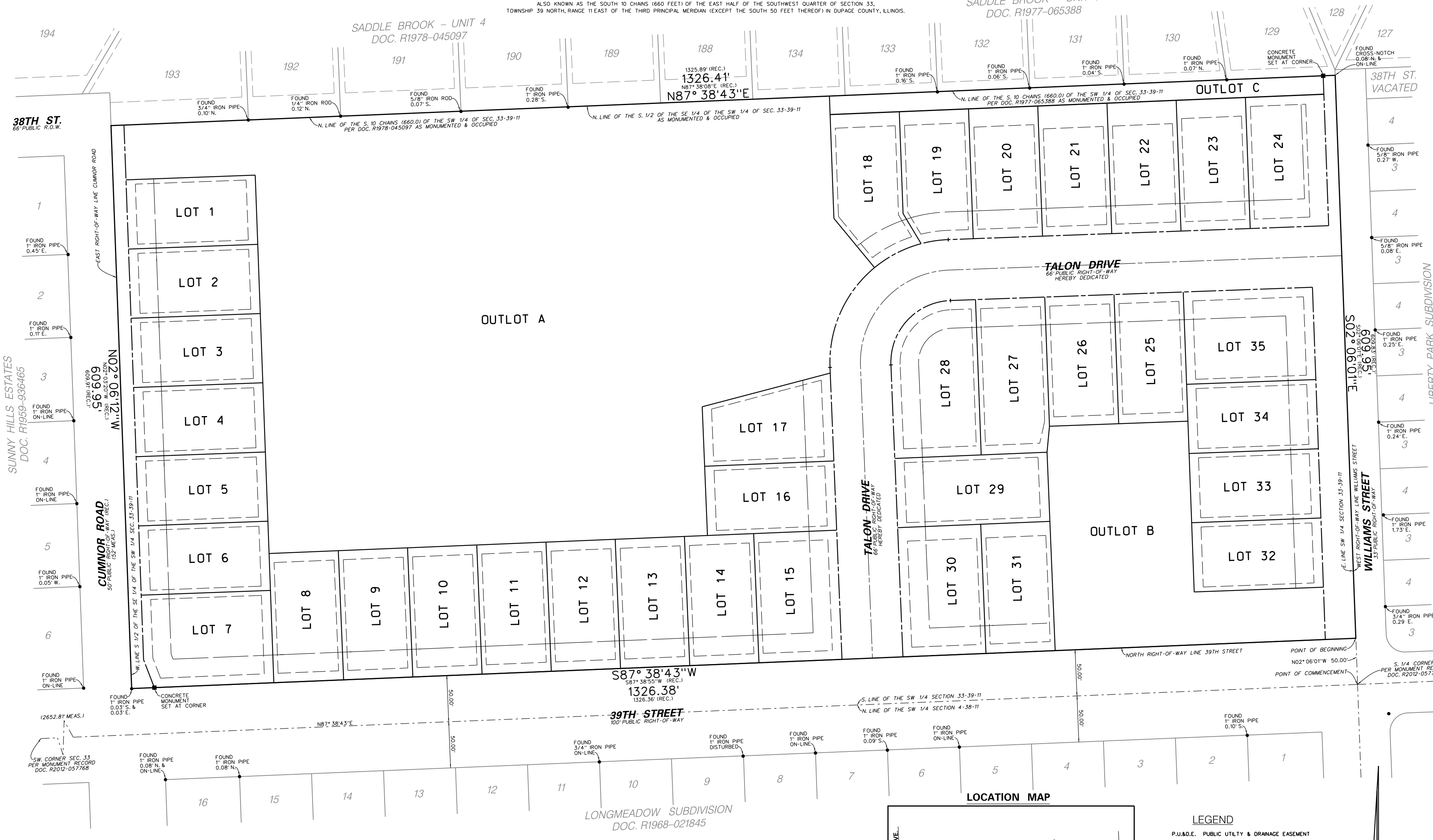
809,020 SQUARE FEET OR 18.57 ACRES, MORE OR LESS.

PERMANENT INDEX NUMBER:

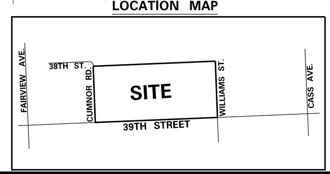
P.I.N.# 06-33-300-006

THIS PLAT HAS BEEN SUBMITTED FOR RECORDING BY AND RETURN TO:

CITY OF DOWNERS GROVE
850 CURTISS STREET
DOWNERS GROVE, ILLINOIS, 60515



LOCATION MAP



GENERAL NOTES:

1. ALL DIMENSIONS ARE GIVEN IN FEET AND DECIMAL PARTS THEREOF.
2. DIMENSIONS ALONG CURVES ARE ARC DISTANCES.
3. COMPARE DEED DESCRIPTION AND SITE CONDITIONS WITH THE DATA GIVEN ON THIS PLAT AND REPORT ANY DISCREPANCIES TO THE SURVEYOR AT ONCE.
4. NO DIMENSIONS SHALL BE DERIVED FROM SCALE MEASUREMENT.
5. (REC.) = RECORD DIMENSION
6. IRON RODS (5/8" DIA. x 24" LENGTH) WILL BE SET AT ALL LOT CORNERS, UNLESS NOTED OTHERWISE, UPON COMPLETION OF CONSTRUCTION.
7. BEARINGS BASED UPON STATE PLANE COORDINATES ILLINOIS EAST ZONE.
8. PROPERTY REFERENCE: 100 39TH STREET, DOWNERS GOVE, IL 60515
9. ALL EASEMENTS ARE HEREBY GRANTED UNLESS NOTED OTHERWISE.
10. P.U.& D.E. = PUBLIC UTILITY & DRAINAGE EASEMENT HEREBY GRANTED UNLESS NOTED OTHERWISE. SEE PROVISIONS CONTAINED HEREIN.
11. OUTLOTS TO BE OWNED AND MAINTAINED BY THE HOMEOWNER'S ASSOCIATION (HOA) UNLESS NOTED OTHERWISE.
12. ALL STREET RIGHT-OF-WAY NOTED ON THE PLAT AS HEREBY DEDICATED ARE HEREBY DEDICATED, CONVEYED, AND TRANSFERRED TO THE CITY OF DOWNERS GROVE FOR PUBLIC RIGHT-OF-WAY PURPOSES UNLESS NOTED OTHERWISE.

NOTE: THIS SHEET FOR EXISTING BOUNDARY MONUMENTATION AND GENERAL INFORMATION ONLY. SEE FOLLOWING SHEETS FOR PARTICULARS.

LEGEND

- P.U.&D.E. PUBLIC UTILTY & DRAINAGE EASEMENT
- PROPERTY/LOT LINE
- ADJOINING PROPERTY/LOT LINE
- EASEMENT LINE
- SET CONCRETE MONUMENT
- ROAD CENTERLINE
- ROAD RIGHT-OF-WAY
- BUILDING SETBACK LINE (B.S.L.)

SCALE: 1" = 50'

Thomson Surveying Ltd.
9575 W. Higgins Road, Suite 850
Rosemont, IL. 60018
TEL:(847)318-9790
FAX:(847)318-9792
wlutz@thomsonltd.com

CLIENT: M/I HOMES OF CHICAGO, LLC
CITY GATE LANE, SUITE 620
NAPERVILLE, ILLINOIS
60563

NO.	DATE		CHKD.

DSGN.	
DWN.	WJL
CHKD.	DMS
SCALE:	1" = 50'
DATE:	3-19-25

TITLE: FINAL PLAT OF SUBDIVISION
TALON PRESERVE
DOWNERS GROVE, ILLINOIS

PROJECT NO. 5697
SHEET 1 OF 3
DRAWING NO. 5697 PLAT OF SUB.DGN

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Amy R. Underwood
General Manager

FROM: Carly Shaw
Administrative Supervisor

DATE: April 4, 2025

RE: Administrative Services Progress Report – March 2025

ADMINISTRATIVE

Personnel

A job has been posted for the open Maintenance Mechanic position on our website as well as other groups such as IAWA, CSWEA, and Fox Valley Operators Association, among others. We have received 3 applications and will be scheduling interviews in early April.

Jackie Hawking has been moved to a full-time position as an Administrative Clerk. She will be assisting staff with different projects as well as ensuring our compliance with local records requirements. Jackie started as a seasonal employee in July of 2024 then was moved into a part time position in October 2024. She has been a great addition to the administrative staff.

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

We have received 2 new claims from neighboring customers who have experienced backup due to blockage caused by roots in the mainline. One of the properties is working with their insurance company to cover the damage so we are awaiting a final dollar amount for that claim and therefore will not be on the attached summary of claims. The other has provided everything needed and a reimbursement is being processed. An updated summary is attached.

Technology Update

We have had several meetings with BS&A regarding the User Billing module including a data extraction to get them more up to date information for testing. Adrienne Kasper and I have a meeting mid-April with them to follow up on this extraction and to verify that information is accurate in their software.

A kick-off meeting with Invoice Cloud was held April 3 to discuss the implementation. We will begin getting word out to customers as soon as possible so they will be prepared to move to the new portal.

Administration Center Improvements

We will be working with Carlson Flooring out of Geneva Illinois to replace the tile floors in the Admin Center hallway, bathrooms, copy room, storage closet, and landing in the stairway to the basement as well as replacing the stair treads to the basement. We hope to complete the work by the end of April.

FINANCIAL

Treasurer's Report and Investment Activity

The monthly Treasurer's Report and the District's Investment Schedule with detailed investment information (financial institution name, current rate, and dollar amount) is provided separately in the packet each month. The Schwab statement and information sheet is also attached to the investment schedule.

User Billing

Sewer disconnections for the show cause accounts are scheduled for April 8. Because we are only allowed one emergency locate per day for this, we will have to spread the disconnections over several days. As of April 9, we have 2 unpaid accounts, down from the 33 accounts we began with. One disconnection has been completed with the other scheduled to be done by April 10.

Detailed billing information is attached to this report.

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

USER BILLING SUMMARY

User Charge System

Billings for March 2025 were as follows:

User	$350,449.21
Surcharge	27,074.23
Monthly fees	398,988.28
Total	$776,511.72
Summer Usage Adjustment	$0.00
Billable Flow	127,436,076
Budgeted Billable Flow	124,428,171
% Actual/Budgeted Billable Flow	102.42%
YTD Billable Flow	1,750,043,296
YTD Budgeted Billable Flow	1,745,916,841
% Actual/Budgeted Billable Flow	100.24%

The user accounts receivable balance on 3/31/2025 is $731,354.07 and consists of:

Current charges due 4/15/2025	$590,221.86
Past due charges and penalty	141,132.21
Total	$731,354.07

The past due charges represent:

Age	User Charges	Penalty	Totals
30 days past due	$56,877.72	$6,988.06	$63,865.78
60 days past due	17,220.25	3,082.21	20,302.46
90 days & greater past due	48,906.08	8,057.89	56,963.97
Totals	$123,004.05	$18,128.16	$141,132.21

Summary of
Past Due Charges
(90 Days and Over)

Five Year Comparison

March

Year	User Charges	Penalty	Total
2025	$48,906.08	$8,057.89	$56,963.97
2024	68,937.10	12,132.98	81,070.08
2023	44,200.55	8,970.57	53,171.12
2022	55,139.44	10,814.13	65,953.57
2021	79,415.08	12,379.57	91,794.65

Twelve Months Ending March 2025

Month Ending	User Charges	Penalty	Total
3/31/25	$48,906.08	$8,057.89	$56,963.97
2/28/25	57,547.99	10,457.69	68,005.68
1/31/25	52,633.71	10,048.26	62,681.97
12/31/24	54,278.06	10,450.83	64,728.89
11/30/24	57,855.31	11,152.84	69,008.15
10/31/24	60,512.01	11,615.57	72,127.58
9/30/24	74,136.03	13,818.16	87,954.19
8/31/24	61,338.78	11,993.15	73,331.93
7/31/24	58,557.54	10,989.31	69,546.85
6/30/24	60,791.09	11,755.76	72,546.85
5/31/24	56,724.94	11,565.75	68,290.69
4/30/24	58,809.41	10,989.40	69,798.81

There were 30 accounts scheduled for Pre-Enforcement on March 14, 2025 of which 18 accounts have paid in full. There are/were 24 accounts scheduled for Pre-Enforcement on April 15, 2025 of which 1 accounty has paid in full. Show Cause started with 33 accounts. We are down to 2 accounts as of April 9, 2025.

REIMBURSEMENT PROGRAM FOR SANITARY SEWER BACKUPS
CAUSED BY PUBLIC SANITARY SEWER BLOCKAGES

04/08/25

STREET ADDRESS	CITY	NAME	DATE OF BACKUP	DATE CLAIM RECEIVED	AMOUNT OF CLAIM	ADJUSTER RECOMMENDATION	AMOUNT PAID	DATE PAID	ADJUSTER FEE	STATUS
4915 PERSHING AVE	DOWNERS GROVE	WEEKS	3/16/2025	3/18/2025	1,366.90	PAYMENT SUGGESTED - $1366.90	1,366.90		622.50	OPEN
4919										
	TOTAL NUMBER OF BACKUPS (SINCE PROGRAM START IN 1997)		258							
	TOTAL NUMBER OF CLAIMS RECEIVED (SINCE PROGRAM START IN 1997)			135						
	TOTAL AMOUNT OF CLAIMS RECEIVED (SINCE PROGRAM START IN 1997)				$176,430.62					
	TOTAL AMOUNT OF CLAIMS PAID (SINCE PROGRAM START IN 1997)						$102,534.23			
	TOTAL AMOUNT PAID TO ADJUSTER (SINCE PROGRAM START IN 1997)								$22,396.25	
	NUMBER OF CLAIMS (MOST RECENT 24 MOS)			5						
	AVERAGE AMOUNT OF CLAIM (MOST RECENT 24 MOS)				$1,642.02					
	AVERAGE AMOUNT OF PAYMENT (MOST RECENT 24 MOS)						$1,205.50			
	AVERAGE AMOUNT PAID TO ADJUSTER PER CLAIM (MOST RECENT 24 MOS)								$289.74	

To: Amy Underwood, General Manager
From: Marc Majewski, Operations Supervisor
Date: April 9, 2025
Subject: March 2025 WWTC Operations Report

Dear Amy,

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

Operations Highlights:

1. **Monthly flow:**
    - Average daily flows: 13.70 (Million Gallons per Day)
    - Total precipitation: 5.00 inches
    - Excess Flow days: 4
    - Days of discharge over 11MGD: 21
2. **Activated Sludge:**
    - Good operating performance observed throughout March.
    - Predominance of floc formers resulted in efficient solids settling
3. **Anaerobic Digesters:**
    - Pumped Volumes:
        - Primary Sludge: 680,428 gallons
        - TWAS to Dig 4(Thickened Waste Activated Sludge): 466,064 gallons
        - Total WAS to Digester 4: 466,064 gallons
        - Waste grease: 268,619 gallons
4. **Digester Gas:**
    - Total production: 5,124,755 cubic feet
    - Usage Breakdown:
        - Heat Exchangers: 344,245 cubic feet
        - CHP facilities: 4,234,367 cubic feet
    - Flared gas recorded: 549,900 cubic feet
    - Munters dehumidifier gas consumption: 242 cubic feet
5. **Biosolids:**
    - Drying and delivery season has begun.
    - 25 Dry tons of class A biosolid was distributed in the month of March.
6. **Electricity:**
    - Overall net energy from ComEd: 79,506
    - Electricity generated by CHP system: 327,488 kWh
    - Monthly net energy (including natural gas usage): 104 MWh
7. **Miscellaneous:**
    - Tours were given March 6 to Westmont High School, March 14th to DGS, March 18th Rich Township Highschool, and March 21st for DGN.

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

Sincerely,

Marc Majewski

Operations Supervisor

Monthly Operations Report Page 1

Date	WWTC Rainfall inches	B01 Parshall Flume Flow Max MGD	B01 Parshall Flume Flow Min MGD	B01 Parshall Flume Flow Avg (Daily Total) MGD	A01 Parshall Flume Flow Max MGD	A01 Parshall Flume Flow Avg (Daily Total) MGD	C01 Int Clar #1 Flow Max MGD	C01 Int Clar #1 Flow Avg (Daily Total) MGD	Outfall 003 Flow Max MGD	Outfall 003 Flow Avg (Daily Total) MGD	Total Flow Leaving WWTC Avg (Daily Total) MGD	Total Flow Leaving WWTC Max MGD	002 Outfall Flow Avg (Daily Total) MGD
3/1/2025	0.00	11.79	5.23	7.86	0.00	0.00	0.00	0.00	0.00	0.00	7.86	11.79	0.00
3/2/2025	0.00	11.39	4.81	7.75	0.00	0.00	0.00	0.00	0.00	0.00	7.75	11.39	0.00
3/3/2025	0.00	12.61	4.63	7.64	0.00	0.00	0.00	0.00	0.00	0.00	7.64	12.61	0.00
3/4/2025	0.85	23.21	4.87	13.74	0.00	0.00	0.00	0.00	0.00	0.00	13.74	23.21	0.00
3/5/2025	0.30	25.46	20.73	21.25	11.52	4.07	0.00	0.00	0.00	0.00	25.32	36.98	2.51
3/6/2025	0.00	22.35	15.17	17.67	0.00	0.00	0.00	0.00	0.00	0.00	17.67	22.35	0.00
3/7/2025	0.17	20.91	15.17	17.67	0.00	0.00	0.00	0.00	0.00	0.00	17.67	20.91	0.00
3/8/2025	0.00	16.88	11.81	15.42	0.00	0.00	0.00	0.00	0.00	0.00	15.42	16.88	0.00
3/9/2025	0.00	15.42	10.97	13.48	0.00	0.00	0.00	0.00	0.00	0.00	13.48	15.42	0.00
3/10/2025	0.00	15.69	7.71	10.57	0.00	0.00	0.00	0.00	0.00	0.00	10.57	15.69	0.00
3/11/2025	0.00	14.96	6.94	10.10	0.00	0.00	0.00	0.00	0.00	0.00	10.10	14.96	0.00
3/12/2025	0.00	14.35	6.83	9.54	0.00	0.00	0.00	0.00	0.00	0.00	9.54	14.35	0.00
3/13/2025	0.00	14.03	6.03	8.99	0.00	0.00	0.00	0.00	0.00	0.00	8.99	14.03	0.00
3/14/2025	0.01	12.35	6.02	8.90	0.00	0.00	0.00	0.00	0.00	0.00	8.90	12.35	0.00
3/15/2025	0.50	21.65	9.20	14.97	0.00	0.00	0.00	0.00	0.00	0.00	14.97	21.65	0.00
3/16/2025	0.25	19.65	9.51	14.03	0.00	0.00	0.00	0.00	0.00	0.00	14.03	19.65	0.00
3/17/2025	0.01	16.66	10.22	13.15	0.00	0.00	0.00	0.00	0.00	0.00	13.15	16.66	0.00
3/18/2025	0.00	15.16	8.90	11.49	0.00	0.00	0.00	0.00	0.00	0.00	11.49	15.16	0.00
3/19/2025	0.89	22.60	7.45	13.52	12.81	1.17	0.00	0.00	0.00	0.00	14.70	35.41	1.06
3/20/2025	0.32	25.56	20.46	20.84	10.31	6.34	0.00	0.00	0.00	0.00	27.18	35.87	2.32
3/21/2025	0.00	24.81	19.93	20.71	4.23	0.19	0.00	0.00	0.00	0.00	20.90	29.04	0.33
3/22/2025	0.00	20.96	14.32	15.96	0.00	0.00	0.00	0.00	0.00	0.00	15.96	20.96	0.00
3/23/2025	0.24	21.04	11.28	14.76	0.00	0.00	0.00	0.00	0.00	0.00	14.76	21.04	0.00
3/24/2025	0.00	18.15	11.81	14.21	0.00	0.00	0.00	0.00	0.00	0.00	14.21	18.15	0.00
3/25/2025	0.00	17.10	10.93	12.70	0.00	0.00	0.00	0.00	0.00	0.00	12.70	17.10	0.00
3/26/2025	0.00	15.04	7.91	10.79	0.00	0.00	0.00	0.00	0.00	0.00	10.79	15.04	0.00
3/27/2025	0.00	14.72	7.54	10.42	0.00	0.00	0.00	0.00	0.00	0.00	10.42	14.72	0.00
3/28/2025	1.16	25.80	7.69	18.41	16.82	3.37	0.00	0.00	0.00	0.00	21.78	42.62	2.08
3/29/2025	0.02	21.88	14.40	17.25	0.00	0.00	0.00	0.00	0.00	0.00	17.25	21.88	0.00
3/30/2025	0.27	21.44	12.77	15.93	0.00	0.00	0.00	0.00	0.00	0.00	15.93	21.44	0.00
3/31/2025	0.01	20.78	11.34	14.91	0.00	0.00	0.00	0.00	0.00	0.00	14.91	20.78	0.00
Minimum	0.00	11.39	4.63	7.64	0.00	0.00	0.00	0.00	0.00	0.00	7.64	11.39	0.00
Maximum	1.16	25.80	20.73	21.25	16.82	6.34	0.00	0.00	0.00	0.00	27.18	42.62	2.51
Total	5.00	574.40	322.58	424.62	55.68	15.15	0.00	0.00	0.00	0.00	439.77	630.08	8.30
Average	0.16	18.53	10.41	13.70	1.80	0.49	0.00	0.00	0.00	0.00	14.19	20.33	0.27

Monthly Operations Report Page 2

Date	Tertiary Flow MGD	MLSS Avg	Activated Sludge Inventory Lbs MLSS LBS	Activated Sludge SRT Days DAYS	15 Minutes Aeration Settling % mL/L	30 Minutes Aeration Settling % mL/L	60 Minutes Aeration Settling % mL/L	Sludge Volume Index mL/g	System 1 RAS TSS mg/l	System 2 RAS TSS mg/l	Dupage River Outfall DO mg/l
3/1/2025	7.86		81,454	16.10							
3/2/2025	7.75		81,454	16.45							
3/3/2025	7.64	2,800	86,860	18.59	26	21	20	76		5,680	8.5
3/4/2025	13.74	2,633	81,672	16.54	27	21	20	81	4,640		8.0
3/5/2025	21.25	2,274	70,551	7.39	17	13	13	58		10,794	
3/6/2025	17.67	2,175	67,480	7.36	23	17	16	79	4,326		8.1
3/7/2025	17.67	2,754	85,447	12.78	28	21	19	75		7,869	
3/8/2025	15.42		85,447	12.14							
3/9/2025	13.48		85,447	11.70							
3/10/2025	10.57	2,760	85,633	15.16	30	23	21	84		6,260	8.6
3/11/2025	10.10	2,673	82,912	13.49	31	25	22	92	5,062		7.8
3/12/2025	9.54	2,645	82,043	15.85	31	24	21	91		5,385	
3/13/2025	8.99	2,636	81,772	15.85	29	23	21	88	4,804		
3/14/2025	8.90	2,860	88,730	16.51	29	23	21	80		5,294	
3/15/2025	14.97		88,730	15.18							
3/16/2025	14.03		88,730	15.37							
3/17/2025	13.15	2,609	80,932	11.61	26	20	18	77		6,414	8.6
3/18/2025	11.49		92,107	10.98	26	20	19		5,028		8.5
3/19/2025	13.52	2,476	76,826	13.10	26	20	19	81		5,654	7.8
3/20/2025	20.84	1,763	54,685	9.10	19	15	14	85	4,314		
3/21/2025	20.71	1,922	59,637	7.04	17	13	13	69		8,119	
3/22/2025	15.96		59,637	7.08							
3/23/2025	14.76		59,637	7.05							
3/24/2025	14.21	2,245	69,644	10.86	21	17	16	77		6,139	8.6
3/25/2025	12.70	2,251	69,820	11.19	24	18	17	81	4,950		8.7
3/26/2025	10.79	2,295	71,201	14.65	25	20	18	85		4,966	8.1
3/27/2025	10.42	2,463	76,417	15.91	24	19	18	77	4,436		
3/28/2025	18.41	2,064	64,042	7.91	18	15	14	70		7,978	
3/29/2025	17.25		64,042	7.85							
3/30/2025	15.93		64,042	7.80							
3/31/2025	14.91	2,169	67,282	9.78	22	17	16	78		6,685	8.7
Minimum	7.64	1,763	54,684.91	7.04	16.76	13.25	12.50	58.22	4,314	4,966	7.8
Maximum	21.25	2,860	92,107.08	18.59	31.49	24.50	22.01	91.74	5,062	10,794	8.7
Total	424.62	48,466	2,354,314.17	378.38	516.62	406.07	375.67	1,585.88	37,560	87,237	100.0
Average	13.70	2,423	75,945.58	12.21	24.71	19.29	17.90	79.20	4,695	6,711	8.3

Monthly Operations Report Page 3

Date	Tertiary Flow MGD	Influent BOD 5 mg/l	Primary Clarifier BOD 5 mg/l	Intermediate Clarifier CBOD 5 mg/l	Tertiary Effluent CBOD 5 mg/l	Tertiary Effluent CBOD 5 Load	BOD 5 Removal % %	Ambient Air Temp Min Deg F	Ambient Air Temp Max Deg F	Influent Flow Temp Deg F
3/1/2025	7.86							18	35	
3/2/2025	7.75							15	41	
3/3/2025	7.64	200	135		2.6	166	98.0	33	50	53.4
3/4/2025	13.74	220	199	5.9	2.4	275	97.4	43	49	53.3
3/5/2025	21.25	98	84		4.0	709		32	53	50.7
3/6/2025	17.67	122	110	6.9	2.5	368	94.8	29	45	50.9
3/7/2025	17.67							29	45	
3/8/2025	15.42							34	40	
3/9/2025	13.48							29	54	
3/10/2025	10.57	157	119		1.5	132	97.8	35	72	52.9
3/11/2025	10.10	136	92	4.1	1.8	152	97.3	37	59	52.7
3/12/2025	9.54	164	104		2.0	159	97.3	38	59	52.8
3/13/2025	8.99	176	72	4.1	1.7	127	97.7	34	67	52.8
3/14/2025	8.90							52	81	
3/15/2025	14.97							43	71	
3/16/2025	14.03							28	43	
3/17/2025	13.15	171	68		1.8	197	97.8	23	56	52.7
3/18/2025	11.49	170	79	5.4	1.7	163	97.6	45	75	53.4
3/19/2025	13.52	178	94		2.4	271	96.6	37	54	53.6
3/20/2025	20.84	112	72	6.2	3.1	539	94.2	31	48	51.3
3/21/2025	20.71	79						29	62	
3/22/2025	15.96							36	52	
3/23/2025	14.76							36	53	
3/24/2025	14.21	112	58	2.8	2.2	261	96.7	35	53	52.7
3/25/2025	12.70	153	102	3.8	2.0	212	97.4	30	55	52.9
3/26/2025	10.79	182	84		2.2	198	97.5	30	60	52.7
3/27/2025	10.42	170	80	7.3	2.0	174	97.8	42	56	53.8
3/28/2025	18.41	125						49	56	
3/29/2025	17.25							49	71	
3/30/2025	15.93							45	77	
3/31/2025	14.91	108	44		1.0	124	96.9	36	52	52.9
Minimum	7.64	79	44	2.8	1.00	124	94.2	15	35	50.7
Maximum	21.25	220	199	7.3	4.00	709	98.0	52	81	53.8
Total	424.62	2,833	1,596	46.5	36.90	4,227	1,552.8	896	1,743	895.5
Average	13.70	149	94	5.2	2.17	249	97.1	35	56	52.7

Monthly Operations Report Page 4

Date	Tertiary Flow MGD	Influent TSS mg/l	Primary Clarifier TSS mg/l	Intermediate Clarifier TSS mg/l	Tertiary Effluent TSS mg/l	Tertiary Effluent TSS Load lbs/day	TSS Removal % %	Influent pH SU	Primary Clarifier pH SU	Tertiary Effluent pH SU	Intermediate pH SU
3/1/2025	7.86	256			1.3	85	99.5				
3/2/2025	7.75	142			1.1	71	99.2				
3/3/2025	7.64	196	95		1.0	64	99.5	7.6	7.4	7.1	7.2
3/4/2025	13.74	164	200	10.6	1.8	206	98.9	7.7	7.6	7.0	7.3
3/5/2025	21.25	84	100		4.3	762	94.9	7.7	7.8	7.1	7.3
3/6/2025	17.67	88	109	14.0	2.7	398	96.9	7.8	7.9	7.3	7.4
3/7/2025	17.67	76			1.7	250	97.8	7.8	7.9	7.3	7.5
3/8/2025	15.42	76			1.0	129	98.7				
3/9/2025	13.48	88			1.2	135	98.6				
3/10/2025	10.57	136	92		0.6	53	99.6	7.6	7.7	7.3	7.4
3/11/2025	10.10	116	100	7.6	0.6	51	99.5	7.8	7.7	7.2	7.3
3/12/2025	9.54	156	98		0.7	56	99.6	7.7	7.7	7.1	7.4
3/13/2025	8.99	184	38	7.8	1.0	75	99.5	7.8	7.7	7.1	7.3
3/14/2025	8.90	148			0.6	45	99.6	7.7	7.7	7.1	7.3
3/15/2025	14.97	128			1.0	125	99.2				
3/16/2025	14.03	100			1.0	117	99.0				
3/17/2025	13.15	164	54		0.8	88	99.5	7.8	7.8	7.4	7.4
3/18/2025	11.49	120	57	9.2	1.0	96	99.2	7.8	7.8	7.3	7.4
3/19/2025	13.52	156	100		1.0	113	99.4	7.8	7.9	7.2	7.4
3/20/2025	20.84	76	62	15.0	3.4	591	95.5	7.8	7.9	7.3	7.5
3/21/2025	20.71	60			1.7	294	97.2	7.8	7.8	7.3	7.5
3/22/2025	15.96	68			0.7	93	99.0				
3/23/2025	14.76	88			0.8	98	99.1				
3/24/2025	14.21	84			1.1	130	98.7	7.8	7.8	7.4	7.6
3/25/2025	12.70	132	60	8.1	1.0	106	99.2	7.7	7.8	7.2	7.5
3/26/2025	10.79	140	71		0.8	72	99.4	7.8	7.8	7.1	7.5
3/27/2025	10.42	132	39	12.0	0.9	78	99.3	7.8	7.6	7.1	7.3
3/28/2025	18.41	156			1.8	276	98.8	7.7	7.7	7.2	7.4
3/29/2025	17.25	56			0.5	72	99.1				
3/30/2025	15.93	74			0.9	120	98.8				
3/31/2025	14.91	84	34		0.9	112	98.9	7.8	7.9	7.4	7.6
Minimum	7.64	56	34	7.6	0.5	45	94.9	7.6	7.4	7.0	7.2
Maximum	21.25	256	200	15.0	4.3	762	99.6	7.8	7.9	7.4	7.6
Total	424.62	3,728	1,309	84.3	38.9	4,959	3,061.0	162.8	162.9	151.5	155.5
Average	13.70	120	82	10.5	1.3	160	98.7	7.8	7.8	7.2	7.4

MONTHLY OPERATIONS REPORT PAGE 5

Date	Tertiary Flow MGD	Influent Ammonia-N mg/l	Tertiary Effluent Ammonia-N mg/l	Tertiary Effluent Ammonia-N Load lbs/day	Chlorine Residual mg/l	Fecal Coliform col/100ml
3/1/2025	7.86					
3/2/2025	7.75	13.55	0.10	6.5		
3/3/2025	7.64	17.02	0.10	6.4		
3/4/2025	13.74	13.71	1.24	142.0	0.015	
3/5/2025	21.25	5.33	1.44	255.3	0.015	
3/6/2025	17.67	8.34	1.08	159.1	0.015	
3/7/2025	17.67					
3/8/2025	15.42					
3/9/2025	13.48	8.95	0.10	11.2		
3/10/2025	10.57	15.53	0.44	38.8		
3/11/2025	10.10	17.42	1.30	109.5		
3/12/2025	9.54	17.60	0.96	76.4		
3/13/2025	8.99	15.70	0.51	38.2		
3/14/2025	8.90					
3/15/2025	14.97				0.015	
3/16/2025	14.03	8.21	0.10	11.7		
3/17/2025	13.15	11.38	0.10	11.0		
3/18/2025	11.49	15.22	0.12	11.5		
3/19/2025	13.52	13.78	0.56	63.2	0.015	
3/20/2025	20.84	6.76	0.50	86.9	0.015	
3/21/2025	20.71				0.015	
3/22/2025	15.96					
3/23/2025	14.76	7.49	0.10	12.3		
3/24/2025	14.21	9.54	0.10	11.8		
3/25/2025	12.70	14.42	0.28	29.7		
3/26/2025	10.79	14.60	0.59	53.1		
3/27/2025	10.42	15.40	0.41	35.6		
3/28/2025	18.41				0.015	
3/29/2025	17.25					
3/30/2025	15.93	7.23	0.14	18.6		
3/31/2025	14.91	10.22	0.44	54.7		
Minimum	7.64	5.33	0.10	6.4	0.015	
Maximum	21.25	17.60	1.44	255.3	0.015	
Total	424.62	267.40	10.71	1,243.5	0.120	
Average	13.70	12.15	0.49	56.5	0.015	

SLUDGE DATA

Primary Sludge	TS	3.38 %	680,428	Gallons
WAS to Digester 4	TS	3.43 %	0	Gallons
WAS to Thickener	TS	3.43 %	752,837	Gallons
TWAS to Digester 4	TS	5.48 %	466,064	Gallons
Hauled Grease to Digs	TS	7.50 %	268,619	Gallons
Anaerobically Digested Sludge Pumping				
to Drying Beds	TS	3.17 %	176,820	Gallons
to BFP	TS	2.29 %	851,890	Gallons
to Lagoons	TS	%		Gallons
Total			1,028,710.0	Gallons
VS Destruction			60.0	%
Biosolids Disposal				
Class A Distribution	Mar		25	Dry Tons
Class B Hauling	Mar			Dry Tons
Total	Mar		25	Dry Tons
Class A Distribution	YTD		27	Dry Tons
Class B Hauling	YTD			Dry Tons
Total	YTD		27	Dry Tons

ENERGY DATA

Total Digester Gas Production	5,124,755	SCF
Gas Volume per Volatile Solids Load	10.3	Cu.Ft./Lb.
Digester Gas Utilization		
Heat Exchangers	344,245	SCF
Dehumidification	242	SCF
CHP	4,234,367	SCF
Total	4,578,855	SCF
Digester Gas Flared	545,900	SCF
Natural Gas Consumed		
WWTC	29,300	SCF
MSB	25,600	SCF
Chemical Feed	20,800	SCF
5006 Walnut	9,100	SCF
Kilowatt-hours Generated CHP	327,488	KWH
Net energy from Comed	79,506	KWH
Monthly net energy	104	MWH

MISCELLANEOUS

Grit Removal	Mar	20	Cu. Yds
Grit Removal	YTD	60	Cu. Yds
Anaerobic Supernate		396,126	Gallons
Waste Activated Sludge		116,811	Gals/Day
City Water Consumed		77,568	Gallons

Monthly Operations Report Page 6

Date	Tertiary Flow MGD	Influent Phosphorus mg/l	Tertiary Effluent Phosphorus mg/l	Influent Phosphorus Load lbs/day	Tertiary Effluent Phosphorus Load lbs/day	Phosphorus Removal % %	Influent Nitrogen mg/l	Tertiary Effluent Nitrogen mg/l	Influent Nitrogen Load lbs/day	Tertiary Effluent Nitrogen Load lbs/day	Nitrogen Removal % %	Tertiary Effluent Nitrate Grab mg/l
3/1/2025	7.86											
3/2/2025	7.75											
3/3/2025	7.64											
3/4/2025	13.74											
3/5/2025	21.25	1.67	1.64	316.1	290.7	1.8						
3/6/2025	17.67											
3/7/2025	17.67											
3/8/2025	15.42											
3/9/2025	13.48											
3/10/2025	10.57											
3/11/2025	10.10						25.3	11.7	2,213.1	985.3	55.5	
3/12/2025	9.54	4.16	2.89	344.1	230.0	30.5						
3/13/2025	8.99											27.13
3/14/2025	8.90											
3/15/2025	14.97											
3/16/2025	14.03											
3/17/2025	13.15											
3/18/2025	11.49	3.28	2.15	325.2	206.1	34.5						
3/19/2025	13.52	3.61	2.65	428.5	298.9	26.6						
3/20/2025	20.84											
3/21/2025	20.71											
3/22/2025	15.96											
3/23/2025	14.76											
3/24/2025	14.21	2.59	1.32	316.5	156.4	49.0						
3/25/2025	12.70											
3/26/2025	10.79											
3/27/2025	10.42											
3/28/2025	18.41											
3/29/2025	17.25											
3/30/2025	15.93											
3/31/2025	14.91											
Minimum	7.64	1.67	1.32	316.1	156.4	1.8	25.3	11.7	2,213.1	985.3	55.5	27.13
Maximum	21.25	4.16	2.89	428.5	298.9	49.0	25.3	11.7	2,213.1	985.3	55.5	27.13
Total	424.62	15.31	10.65	1,730.4	1,182.1	142.4	25.3	11.7	2,213.1	985.3	55.5	27.13
Average	13.70	3.06	2.13	346.1	236.4	28.5	25.3	11.7	2,213.1	985.3	55.5	27.13

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**IL0028380**	**Permittee:**	DOWNERS GROVE SANITARY DISTRICT	**Facility:**	DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER
Major:	Yes	**Permittee Address:**	2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515	**Facility Location:**	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 03/01/25 to 03/31/25**	**DMR Due Date:**	**04/25/25**	**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	**Title:**	General Manager	**Telephone:**	630-969-0664
Last Name:	Underwood				

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						=	8.3	=	8.1	=	7.6	19 - mg/L	0	DL/DS - Daily When Discharging	GR - Grab
					Permit Req.							Req Mon MO AV MN		Req Mon MN WK AV		Req Mon DAILY MN	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI															
00310	**BOD, 5-day, 20 deg. C**	1 - Effluent Gross	0	--	Sample								=	6.1	=	9.2	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						=	7.1			=	7.4	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								=	2.0	=	3.4	19 - mg/L	0	DL/DS - Daily When Discharging	GR - Grab
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI															
00610	**Nitrogen, ammonia total [as N]**	1 - Effluent Gross	0	--	Sample								=	0.59	=	1.68	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															
00665	**Phosphorus, total [as P]**	1 - Effluent Gross	0	--	Sample								=	1.89	=	2.89	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								=	0.11			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										=	56.0	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			=	431.47	80 - Mgal/mo								0	99/99 - Continuous	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									99/99 - Continuous	
					Value NODI															

Submission Note

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

Edit Check Errors

No errors.

Comments

31 days of discharge. 4 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:	2025-04-09 09:52 (Time Zone: -05:00)

Report Last Signed By

User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2025-04-10 09:51 (Time Zone: -05:00)

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Permit

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

Report Dates & Status

Monitoring Period:	**From 03/01/25 to 03/31/25**	**DMR Due Date:**	**04/25/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	**Oxygen, dissolved [DO]**	1 - Effluent Gross	0	--	Sample										=	7.6	19 - mg/L	0	DL/DS - Daily When Discharging	GR - Grab
					Permit Req.											Req Mon DAILY MN	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI															
00310	**BOD, 5-day, 20 deg. C**	1 - Effluent Gross	0	--	Sample								=	12.8	=	17.2	19 - mg/L	0	DL/DS - Daily When Discharging	GR - Grab
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	7.3			=	7.3	12 - SU	0	DL/DS - Daily When Discharging	GR - Grab
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		DL/DS - Daily When Discharging	GR - Grab
					Value NODI															
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample								=	7.8	=	12.2	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															
00610	**Nitrogen, ammonia total [as N]**	1 - Effluent Gross	0	--	Sample										=	1.68	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								=	1.6	=	1.87	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								=	0.19			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										=	56.0	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			=	8.3	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	
4 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:	2025-04-09 09:54 (Time Zone: -05:00)
Report Last Signed By	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2025-04-10 09:51 (Time Zone: -05:00)

DMR Copy of Record

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Permit

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Major:	Yes	**Permittee Address:**	2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515	**Facility Location:**	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 03/01/25 to 03/31/25**	**DMR Due Date:**	**04/25/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

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															
					Permit Req.											Req Mon DAILY MN	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI											C - No Discharge				
00310	**BOD, 5-day, 20 deg. C**	1 - Effluent Gross	0	--	Sample															
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge				
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		DL/DS - Daily When Discharging	GR - Grab
					Value NODI							C - No Discharge				C - No Discharge				
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample															
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge				
00610	**Nitrogen, ammonia total [as N]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI											C - No Discharge				
00665	**Phosphorus, total [as P]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge				
50060	**Chlorine, total residual**	1 - Effluent Gross	0	--	Sample															
					Permit Req.								<=	0.75 MO AVG			19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI									C - No Discharge						
74055	**Coliform, fecal general**	1 - Effluent Gross	0	--	Sample															
					Permit Req.										<=	400.0 DAILY MX	13 - #/100mL		DL/DS - Daily When Discharging	GR - Grab
					Value NODI											C - No Discharge				
82220	**Flow, total**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Discharging	
					Value NODI				C - No Discharge											

Submission Note

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

Edit Check Errors	
No errors.	
Comments	
Attachments	
No attachments.	
Report Last Saved By	
DOWNERS GROVE SANITARY DISTRICT	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2025-04-09 09:57 (Time Zone: -05:00)
Report Last Signed By	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2025-04-10 09:51 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

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

Report Dates & Status

Monitoring Period:	**From 03/01/25 to 03/31/25**	**DMR Due Date:**	**04/25/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

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										=	55.2	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										=	47.0	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										=	6.8	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								=	1.63	=	2.05	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			=	15.15	80 - Mgal/mo								0	DL/DS - Daily When Discharging	CN - Continuous
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Discharging	CN - Continuous
					Value NODI															

Submission Note

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Edit Check Errors

No errors.

Comments

4 days of discharge. Event 1: 3-4-25 to 3-5-25, discharging for 19.3 hours. 1.15 inches of rain over 22 hours. B01 flow rate at A01 start time: 16,666gpm. Event 2: 3-19-25 to 3-21-25, discharging for 30 hours. 1.21 inches of rain over 16 hours. B01 flow rate at A01 start time: 17,274gpm. Event 3: 3-28-25, discharging for 12.7 hours. 1.16 inches of rain over 3 hours. B01 flow rate at A01 start time: 17,138gpm.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry

Name: Dorrance Berry

E-Mail:	rberry@dgsd.org
Date/Time:	2025-04-09 10:06 (Time Zone: -05:00)
Report Last Signed By	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2025-04-10 09:51 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

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

Report Dates & Status

Monitoring Period:	**From 03/01/25 to 03/31/25**	**DMR Due Date:**	**04/25/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

W0430300002 ; DMF LOAD LIMITS DISPLAYED.

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00011	**Temperature, water deg. fahrenheit**	1 - Effluent Gross	0	--	Sample										=	51.1	15 - deg F		01/30 - Monthly	GR - Grab
					Permit Req.											Req Mon MO MAX	15 - deg F	0	01/30 - Monthly	GR - Grab
					Value NODI															
00300	**Oxygen, dissolved [DO]**	1 - Effluent Gross	0	--	Sample								=	8.2	=	7.8	19 - mg/L		03/DW - 3 Days Every Week	GR - Grab
					Permit Req.								>=	6.0 MN WK AV	>=	5.0 DAILY MN	19 - mg/L	0	02/DA - 2 Days Every Week	GR - Grab
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	7.0			=	7.4	12 - SU		05/DW - 5 Days Every Week	GR - Grab
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	02/DA - 2 Days Every Week	GR - Grab
					Value NODI															
00410	**Alkalinity, total [as CaCO3]**	1 - Effluent Gross	0	--	Sample										=	190.0	19 - mg/L		01/30 - Monthly	CP - Composite
					Permit Req.											Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - Composite
					Value NODI															
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample	=	159.98	=	762.21	26 - lb/d			=	1.3	=	4.3	19 - mg/L		05/DW - 5 Days Every Week	CP - Composite
					Permit Req.	<=	2202.0 MO AVG	<=	4404.0 DAILY MX	26 - lb/d			<=	12.0 MO AVG	<=	24.0 DAILY MX	19 - mg/L	0	02/DA - 2 Days Every Week	CP - Composite
					Value NODI															
00600	**Nitrogen, total [as N]**	1 - Effluent Gross	0	--	Sample										=	11.7	19 - mg/L		01/30 - Monthly	CP - Composite
					Permit Req.											Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - Composite
					Value NODI															
00610	**Nitrogen, ammonia total [as N]**	1 - Effluent Gross	2	--	Sample	=	56.52	=	255.25	26 - lb/d			=	0.49	=	1.44	19 - mg/L		05/DW - 5 Days Every Week	CP - Composite
					Permit Req.	<=	734.0 MO AVG	<=	1468.0 DAILY MX	26 - lb/d			<=	4.0 MO AVG	<=	8.0 DAILY MX	19 - mg/L	0	02/DA - 2 Days Every Week	CP - Composite
					Value															

					NODI																
00625	**Nitrogen, Kjeldahl, total [as N]**	1 - Effluent Gross	0	--	Sample											<	1.0	19 - mg/L		01/30 - Monthly	CP - Composite
					Permit Req.												Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - Composite
					Value NODI																
00630	**Nitrite + Nitrate total [as N]**	1 - Effluent Gross	0	--	Sample											=	11.7	19 - mg/L		01/30 - Monthly	CA - Calculated
					Permit Req.												Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CA - Calculated
					Value NODI																
00665	**Phosphorus, total [as P]**	1 - Effluent Gross	0	--	Sample									=	2.13	=	2.89	19 - mg/L		05/30 - 5 Times Every Month	CP - Composite
					Permit Req.										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - Composite
					Value NODI																
00666	**Phosphorus, dissolved**	1 - Effluent Gross	0	--	Sample									=	2.08	=	2.84	19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - Composite
					Value NODI																
00940	**Chloride [as Cl]**	1 - Effluent Gross	0	--	Sample											=	313.0	19 - mg/L		01/30 - Monthly	GR - Grab
					Permit Req.												Req Mon DAILY MX	19 - mg/L	0	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	=	13.7	=	21.25	03 - MGD										99/99 - Continuous	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									0	99/99 - Continuous	
					Value NODI																
50060	**Chlorine, total residual**	1 - Effluent Gross	1	--	Sample											<	0.015	19 - mg/L		CL/OC - Chlorination/Occurances	GR - Grab
					Permit Req.											<=	0.038 DAILY MX	19 - mg/L	0	CL/OC - Chlorination/Occurances	GR - Grab
					Value NODI																
80082	**BOD, carbonaceous [5 day, 20 C]**	1 - Effluent Gross	0	--	Sample	=	248.64	=	709.04	26 - lb/d			=	2.17	=	4.0	19 - mg/L		04/07 - Four Per Week	CP - Composite	
					Permit Req.	<=	1835.0 MO AVG	<=	3670.0 DAILY MX	26 - lb/d			<=	10.0 MO AVG	<=	20.0 DAILY MX	19 - mg/L	0	02/DA - 2 Days Every Week	CP - Composite	
					Value NODI																

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2025-04-09 10:11 (Time Zone: -05:00)

Report Last Signed By

User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org

Date/Time:	2025-04-10 09:51 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**IL0028380**	**Permittee:**	DOWNERS GROVE SANITARY DISTRICT	**Facility:**	DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER
Major:	Yes	**Permittee Address:**	2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515	**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 03/01/25 to 03/31/25**	**DMR Due Date:**	**04/25/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

W0430300002 ; NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

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															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI											C - No Discharge				
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI											C - No Discharge				
00610	**Nitrogen, ammonia total [as N]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI											C - No Discharge				
00665	**Phosphorus, total [as P]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge				
82220	**Flow, total**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Discharging	CN - Continuous
					Value NODI				C - No Discharge											

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org

Date/Time:	2025-04-09 10:11 (Time Zone: -05:00)
Report Last Signed By	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2025-04-10 09:51 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**IL0028380**	**Permittee:**	DOWNERS GROVE SANITARY DISTRICT	**Facility:**	DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER
Major:	Yes	**Permittee Address:**	2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515	**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 03/01/25 to 03/31/25**	**DMR Due Date:**	**04/25/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

W0430300002

Principal Executive Officer

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

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								=	149.0			19 - mg/L		09/99 - See Permit	CP - Composite
					Permit Req.									Req Mon MO AVG			19 - mg/L	0	09/99 - See Permit	CP - Composite
					Value NODI															
00530	**Solids, total suspended**	G - Raw Sewage Influent	0	--	Sample								=	120.0			19 - mg/L		09/99 - See Permit	CP - Composite
					Permit Req.									Req Mon MO AVG			19 - mg/L	0	09/99 - See Permit	CP - Composite
					Value NODI															
00600	**Nitrogen, total [as N]**	G - Raw Sewage Influent	0	--	Sample										=	25.3	19 - mg/L		01/30 - Monthly	CP - Composite
					Permit Req.											Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - Composite
					Value NODI															
00665	**Phosphorus, total [as P]**	G - Raw Sewage Influent	0	--	Sample										=	4.16	19 - mg/L		05/30 - 5 Times Every Month	CP - Composite
					Permit Req.											Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - Composite
					Value NODI															
50050	**Flow, in conduit or thru treatment plant**	G - Raw Sewage Influent	0	--	Sample	=	14.24	=	22.7	03 - MGD									99/99 - Continuous	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	
					Value NODI															

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org

Date/Time:	2025-04-09 10:13 (Time Zone: -05:00)
Report Last Signed By	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2025-04-10 09:51 (Time Zone: -05:00)

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Amy Underwood, General Manager

FROM: Nick Whitefleet, Maintenance Supervisor

DATE: April 9th, 2024

SUBJECT: March 2025 Maintenance Report

Attached is a work order summary detailing equipment repair and preventive maintenance activities conducted by the maintenance department during March 2025.

Special projects in March included:

Intermediate Clarifiers 1 & 2 Aluminum Railing Installation:

The steel railings that were removed during the lead remediation project around both the tank's perimeter and access bridges have been replaced with aluminum railings at both intermediate clarifiers 1 & 2. Normal operation and access to the clarifiers have been restored. The new railings were installed by a combination of Maintenance and Bio-Solids personnel. The total cost of the materials and installation for both tanks came in at $64,988. Although the budget originally covered just one tank this year, we redirected funds from the postponed painting project to complete both clarifiers instead.

Annual Generator PM:

The annual preventive maintenance cycle for the District's 16 stationery and portable generators was completed this month. Altorfer Power Systems performed their "Gold Advantage Service" on all 16 generators. This service includes: a 53-point inspection, oil change, fuel filter replacement, generator bearings lubrication, and laboratory analysis on both the engine coolant and oil. As usual, repair recommendations made by Altorfer during the inspections are being considered and will be scheduled if I determine they are needed and outside the District's capabilities.

Hypochlorite Building Lighting Upgrade:

The interior lighting in the hypochlorite building needed an upgrade. District electricians investigated possible solutions and identified the necessary parts to retrofit the existing H.I.D. (high intensity discharge) fixtures upstairs with safer, more efficient LED light bulbs. Upgrading the lower-level light fixture was accomplished by replacing the H.I.D. bulb with a "Cob" style LED. Another nice feature of the lighting upgrade is there is no longer a delay between the light switch turning on the old H.I.D. bulbs getting bright. The new LED bulbs are instantly bright when the switch is activated. The total cost of the lighting upgrade was $392.

CHP System – Units 1&2 Operation Update:

CHP 1: CHP 1 operated for the first 3 weeks of March until the engine was shut down for the media change. During this period, technicians from Kraft Power visited the plant and inspected both engines. While investigating the engine cylinders on CHP 1 they found what appears to be a crack in number 8 cylinder's piston. Based on their findings, they advised the engine not to be run until a repair is made. Kraft Power identified possible causes for our accelerated cylinder / piston wear and oil consumption, but nothing definitive. Kraft Power is working on providing a quote for our needed repairs on CHP 1, parts pricing, and large-scale maintenance quotes. We look forward to having multiple vendors providing competitive quotes going forward. During this time frame, communication with Nissen has not provided much, but a phone conference is scheduled for the second week of April, and we are hopeful that a plan for CHP 1 will be devised shortly.

CHP 2: CHP 2 performed well throughout the month of March. The R3 maintenance is scheduled for the beginning of April.

Gas Cleaning System Media Change: The old media was removed from both the H2S vessel and siloxane tanks and replaced with new media. Coordination between the systems, operations, and maintenance departments is required to accomplish this task. This year's media change went well, and I'm pleased to report the system is operating as it should. The total cost for the media change this year was $23,790.

Wroble Pump 2 VFD Replacement:

In the Fall of 2019, Maintenance personnel replaced the VFD for pump 1 at Wroble lift station with an LS Drive VFD. It has operated very well since its installation. This year the District budgeted $7500 if the need for a VFD replacement at Wroble occurred. Sure enough, the 16-year-old VFD began to have frequent issues, and we determined that replacement options should be investigated. Numerous quotes were received from multiple vendors offering VFDs from an assortment of manufacturers. Northwest Electric Motor proposed an LS drive which offered the lowest pricing of all vendors and manufacturers. Based on this and our familiarity and success with LS drives, this was an easy decision to make. Maintenance personnel installed, configured, and performed the start-up of the new VFD for pump 2, and it is performing as expected. An additional benefit of the LS drives is that the District's electricians have received training from the manufacturer and are certified to perform VFD start-ups which gives the drive an additional 2 years of warranty for a total of a 4-year warranty. The total cost of the VFD replacement was $4,720, over $2,700 under budget.

Centex Lift Station Replacement Update:

The VFD parameter change appears to have resolved the VFD faults, but troubleshooting is still underway to verify this.

Procurement:

Grainger - $2783.86, Arc flash PPE.

Daxam - $571.72, Qty.8, reflective “Downers Grove Sanitary District” vehicle decals.

Amwell - $16,160, Scum Trough for primary clarifier 8.

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

Work Order Summary

Work Order Completion Dates from 3/3/2025 to 3/31/2025

Work Assignment	Completion Date	Equipment	NOTATIONS
Vehicle 354, Annual Oil change (6 yard dump)	03-Mar-25	2014 Freightliner M2106 6 yd d	
Annual Oil Change Screening Compactors & Conveyor Reducers		Bar Screen Rag Compactor	
Oil Change 27,622 hours		CHP Engine Genset #1	27,622 hours, chaged oil and oil filters. Took oil sample and sent for analysis. Sample ID# 72007.
Check Hose Connections On #2 & #4 PEARTH Units		Digester 2 Mixing System	
		Digester 4 Mixing System	
Annual Gold PM		Emergency Generator 3	Annual PM performed by Altorfer Power Systems. Oil changed at service.
Install aluminum railing		Intermediate Clarifier 1	Installed new aluminum railing around tank perimeter and access bridge.
		Intermediate Clarifier 2	
Exercising of secondaries 1 and 2 influent gates		Secondary Clarifier 1	
		Secondary Clarifier 2	
Six Month Oil Check, Generator Service,	04-Mar-25	2003 Ford Truck E450/TV Unit	
12 Month/10,000 Mile Synthetic Oil Change (2011 F-250) #326 BIO/Maint		2011 Ford F-250	
12 Month/10,000 Mile Synthetic Oil Change (2011 Ford Ranger) #322 OPS		2011 Ford Ranger	
Safety lane Vehicle 353		2011 Freightliner M2	
12 Month/10,000 Mile Synthetic Oil Change (2014 Honda Civic) # 316 Amy		2014 Honda Civic CNG	
12 Month/10,000 Mile Synthetic Oil Change (2016 Ford Focus # 324 Reese		2016 Ford Focus	
Clean Bar Screens With Flush Truck		Bar Screen 1 - North	
		Bar Screen 2 -South	
Bi-Monthly check of all ladders		Belt Filter Press Building	
		Bisulfite Building	
		Blower Building	
		CHP Engine Genset #2	
Inspection and Cleaning Heat Exchangers Tubes		Digester 1 Heat Exchanger	
		Digester 2 Heat Exchanger	
Flush Pearth 2 with 3 oz of Kerosene/Oil mixture		Digester 2 Mixing System	
Bi-Monthly check of all ladders		Digester 3 Control Building	
		Digester 4 - 5 Control Buildg	

Work Assignment	Completion Date	Equipment	NOTATIONS
Inspection and Cleaning Heat Exchangers Tubes		Digester 4 Heat Exchanger	
Annual generator PM		Emergency Generator 1	Altorfer performed gold level pm on engine genset w/ oil change.
Annual Gold PM		Emergency Generator 2	Annual PM performed by Altorfer Power Systems. Oil changed at service.
Bi-Monthly check of all ladders		Excess Flow Pump Station	
		Excess Flow Sludge Pump House	
		Filter Building	
Restore exterior lighting.		Hobson Lift Station	Replaced burnt out light bulbs and failed photo-eye.
Bi-Monthly check of all ladders		Hypochlorite Feed Blg	
Repair damaged U-tube spot light		Interm Clarifier Sludge Bldg	Repaired mounting assembly on u-tube spot light.
Bi-Monthly check of all ladders		Maintenance Services Building	
		Microstrainer Building	
		Operations Center	
		System Garage	
12 Month/10,000 Mile Synthetic Oil Change (2013 GMC Van) #315-LAB	05-Mar-25	2013 Chevy Express Van CNG	12,614 miles. Only 777 miles since last change. Checked oil level - ok.
12 Month/10,000 Mile Synthetic Oil Change (2015 Focus) # 314 (Carly)		2015 Ford Focus	Changed oil and filter. Rotated tires. 61,786 miles.
Replace cutting edge on OPS Skid steer bucket		2019 Skid Steer	
12 Month/10,000 Mile Synthetic Oil Change (2021 F-150) #325 (Marc)		2021 F150 4x2	Changed oil & filter. Rotated tires. 8,746 miles.
Annual PM		Emergency Generator 1	Annual PM performed by Altorfer Power Systems. Oil changed at service.
Filter won't run in auto		Filter 2	Troubleshooting identified bad ground connection from control board. Installed replacement ground connection.
Replace Air Filter On Operations Center Furnace		Operations Center	Replaced air filter with new.
12 Month/10,000 Mile Synthetic Oil Change (2012 F-350) #307	06-Mar-25	2012 FORD F-350 LS	62,809 miles. Changed oil and oil filter. Rotated tires.
12 Month/10,000 Mile Synthetic Oil Change (2013 F-150) # 349 (Todd)		2013 FORD F-150 Reg Cab	38,668 miles. Changed oil & oil filter. Rotated tires.
MONTHLY BAR SCREEN HARDWARE AND CHANNEL INSPECTION		Bar Screen 1 - North	Completed all listed tasks. No repairs required, a few bolts required tighteneing.
		Bar Screen 2 -South	
5 year FRP tank inspection		Bisulfite Storage Tanks	Isolated, pumped down and cleaned tanks. FRP Inspections performed inspections and provided reports for all 3 tanks.
Annual Gold PM		Hobson Stationary Generator	Annual PM performed by Altorfer Power Systems. Additional charge incurred for troubleshooting tripped gen. breaker.
5 Year FRP Tank Inspections Tanks 1&2		Hypochlorite Storage Tanks	Hypochlorite tanks 1&2. Isolated, drained, & cleaned tanks. FRP Inspections inspected & provided reports.
Replace Air Filters On Both Fume Hood Air Make Up Systems		Laboratory	Replaced air filters with new from stock. Reorder not needed.

Work Assignment	Completion Date	Equipment	NOTATIONS
Pump fail, blown fuse		Raw Sewage Pump 4	Identified blown fuse, replaced with new and tested pump.
FRP Tanks 1-3 Repairs	07-Mar-25	Bisulfite Storage Tanks	Bisulfite tanks 1,2&3 repaired based on findings from 5-year inspection.
36,551 Hours. Oil change		CHP Engine Genset #2	Changed oil and oil filters. Took oil sample and sent for lab analysis. Sample # IND-71996.
Monthly Underground Storage Tanks Inspection		Emerg Gen Diesel Storage Tank	
FRP Tanks 1&2 Repairs		Hypochlorite Storage Tanks	Hypo tanks 1&2 repaired based on 5-year inspection findings.
MONTHLY EXERCISE OF SECONDARY 5		Secondary Clarifier 5	
Annual Gold PM		Venard Stationary Generator	Annual PM performed by Altorfer Power Systems.
Oil level low, top off oil	10-Mar-25	Centex Stationary Generator	Oil level found low at routine inspection. Added ~3.5 quarts to reach full level.
Annual generator PM		College Stationary Generator	Altorfer performed gold level pm on engine genset.
500 Hour Oil Change on Pearth 4		Digester 4 Mixing System	
Exercising of Raw and Excess Influent valves		Excess Flow Pump Station	
		Raw Sewage Pump Station	
3 Months Inspection on Electric Carts and Front End Loader	11-Mar-25	2016 Club Car Carryall 300	
Install exterior hazard lights and interior cap lights		2018 Ford F-150	Installed hazard lights on exterior of truck and LED lighting inside the bed cap.
3 Months Inspection on Electric Carts and Front End Loader		2019 Yamaha UMAX 2 AC (#3)	
		2022 Club Car Carryall 500	
ANNUAL FIRE EXTINGUISHER TAG AND RECIRTIFICATION		Maintenance Services Building	
Annual generator PM		Wroble Stationary Generator	Altorfer performed gold level pm on engine genset.
By-Weekly Fluid and Misc. Check of Generators	12-Mar-25	Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Annual generator PM		Northwest Stationary Generator	Altorfer performed gold level pm on engine genset.
Check All Fluids In The Equipment Listed Below	13-Mar-25	2009 Sterling LT 7500	
		2014 Freightliner M2106 6 yd d	
		2015 Wheel Loader #332	
		2017 Deere 544K Wheel Loader	
Procure storage bins to organize bed cap		2018 Ford F-150	Purchased bins to organize hardware in bed cap compartments.
Check All Fluids In The Equipment Listed Below		2019 Skid Steer	
		2022 Deere 244L Wheel Loader	
		4 inch EBARA Pump (Old Jaeger)	

Work Assignment	Completion Date	Equipment	NOTATIONS
		6 in CH&E DSL TRSH PMP PERKIN	
		6 in CHE Diesel Trash Pump C/P	
		6 in JAEGER PUMP (FORD)	
Annual generator PM		Admin Stationary Generator	Altorfer performed gold level pm on engine genset.
Bi-Monthly check of all ladders		Belt Filter Press Building	
		Bisulfite Building	
		Blower Building	
		CHP Engine Genset #2	
		Digester 3 Control Building	
		Digester 4 - 5 Control Buildg	
		Excess Flow Pump Station	
		Excess Flow Sludge Pump House	
		Filter Building	
Calibrate Influent, Effluent, & Excess Flow Transducers		Flow Meter - Excess	Verified calibration of flow meters. Recomended we replace grit (3&4) and tertiary staff gauges.
		Flow Meter - Influent	
		Flow Meter - Tertiary	
Bi-Monthly check of all ladders		Hypochlorite Feed Blg	
		Maintenance Services Building	
		Microstrainer Building	
		Operations Center	
Check All Fluids In The Equipment Listed Below		Portable Generator 150	
		Portable Generator 200	
		Portable Generator 350	
Bi-Monthly check of all ladders		System Garage	
Check All Fluids In The Equipment Listed Below		WWTC ODS Pump Air Compressor	
EXCESS 003- Exercise 30" and 24" DEZURIK Valves	14-Mar-25	Excess Flow 003 Valves	
Exercise of Excess Influent and Effluent Gates		Excess Flow Clarifier 1	
		Excess Flow Clarifier 2	
		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	
Exercise both 24" primary influent ratio valves		Tunnel From PS to Grit	
		Tunnel/Chan Primary Clarifiers	
Annual generator PM	17-Mar-25	Portable Generator 150	Altorfer performed gold level pm on engine genset. Batteries replaced.
Procure maintenance parts for stock	18-Mar-25	CHP Engine Genset #1	Purchased oil filters (Amazon) and spark plugs (Energy Choice).

Work Assignment	Completion Date	Equipment	NOTATIONS
		CHP Engine Genset #2	
Annual generator PM		Portable Generator 200	Altorfer performed gold level pm on engine genset. Batteries replaced at service.
		Portable Generator 350	
ANNUAL SERVICE ON TOYOTA FORK LIFT	19-Mar-25	2016 Toyota Forklift	Performed annual PM per fork lift O&M manual. 665 unit hours runtime.
Annual generator PM		Butterfield Stationary Generat	Altorfer performed gold level pm on engine genset. Load bank test performed.
grease pump dolly, flat tire repair		Maintenance Services Building	Portable greasing cart tires wouldn't hold air due to wheels leaking. Replaced wheels with new.
Lubricate skid steer and attachment mechanisim	20-Mar-25	2019 Skid Steer	
Annual generator PM		Earlston Stationary Generator	Altorfer performed gold level pm on engine genset. Load bank test performed.
	21-Mar-25	Liberty Park Stationary Genera	Altorfer performed gold level pm on engine genset.
Check cross collector for operation		Primary Clarifier 5	Checked cross collector pit for obstruction, none found. Replace shear pin w/ new, orderd shear pins for stock
Replace VFD with New LS drive		Wroble Pump 2	Installed new LS drive, configured, tested, and submitted information for warranty.
Replace broken motor on Auger #1	24-Mar-25	2014 AUGER-DAWG G-30 4D091	Replace broken hydraulic motor with new.
Monthly Liquid Status of Under Ground Diesel Tank		Emerg Gen Diesel Storage Tank	
Oil Bell & Gosset Pumps	25-Mar-25	Digester 1 Heat Exchanger	
		Digester 2 Heat Exchanger	
		Digester 3 Heat Exchanger	
		Digester 4 Heat Exchanger	
		Digester 5 Heat Exchanger	
		Excess Flow Pump Station	
3 MONTH OIL CHANGE-GRIT BLOWER #3- KAESER		Grit Blower 3 Kaeser	
Upgrade lighting in upper & lower levels		Hypochlorite Feed Blg	Replaced lower level light bulb with high output LED, upgraded existing fixtures upstairs for LED.
Procure spare shear pins for new pump		Primary Sludge Pump 5	Ordered 12 shear pins for stock. Different design than previous model.
Heat exchanger won't stay running	26-Mar-25	Digester 5 Heat Exchanger	Cleaned diamond port plug valve and replaced thermostat sensor for flame controller.
Media Change	27-Mar-25	CHP Gas Cleaning System	Removed old media from Siloxane vessels (2-West) and H2S vessel. Replaced media with new.
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	

Work Assignment	Completion Date	Equipment	NOTATIONS
2 MONTH EXERCISE OF INTERMEDIATE VALVES		Excess Flow Pump Station	
Monthly Cleaning of bug lights in Sand Filter Bldg.		Filter Building	
Monthly Drain check and flush at grit building		Grit Building	
2 MONTH EXERCISE OF INTERMEDIATE VALVES		Intermediate Sludge Pump 1	
		Intermediate Sludge Pump 2	
2 MONTH OUTFALL ROAD INSPECTION AND CLEARING		Outfall 001 Pipe/Sample Trough	
Procure decals for new / moved vehicles	28-Mar-25	2018 Ford F-150	Procured reflective DGSD decals to install on new / vehicles that switched departments.
		2024 Ford F150 XL 2WD SuperCab	
		2024 Ford F350 DRW Chassis 4x4	
Change Oil On Gear Reducers For Belt Press Unit & Conveyors		Belt Filter Press	
		Belt Press Sludge Conveyor	
Unison PLC fault, replace output card		CHP Gas Cleaning System	Replaced 16-point output module for Unison PLC. Concentric assisted w/ configuration.
Replace Pump element due to poor performance	31-Mar-25	Bisulfite Feed Pump 1	Replaced pump hose elements with new. Ordered more for stock.
		Bisulfite Feed Pump 2	
Procure new scum trough		Primary Clarifier 8	Procured new scum trough to replace deteriorating existing scum trough.

DOWNERS GROVE SANITARY DISTRICT
M E M O

DATE: April 9, 2025

TO: Amy Underwood
General Manager

FROM: Todd Freer
Sewer System Maintenance Supervisor

RE: Monthly Report – March 2025

1.

JULIE Line Markings:	**Current**	**Year to Date**
Received	920	1771
In District	858	1598
Marked	207	499
Man Hours	71	210.5

2.

Building Service:	**Current**	**Year to Date**
BSSRAP TV Inspections	16	43
Emergency BSSRAP Repairs	8	22
Total BSSRAP Repairs	11	31
I&I Inspections	0	1
I&I C.O. Inspections	0	0
Replace Broken Cleanout Caps	0	0
OHSP TV Inspections	1	1
Post Rodding TV	5	10

3.

Sewer Back-Ups:	**Current**	**Year to Date**
Public Sewer	2	4
Private Sewer	16	59
Surcharged Main	0	0
Pump Station	0	0
Total	18	63

4.

	Current	**Year to Date**
Sewer Cleaning (DGSD Personnel):	44,478.30Ft.	44,478.30 Ft.
a. Sewer Cleaning (Outside Contractors)	0 Ft.	0 Ft.

5.

Main Sewer Televising (DGSD personnel)	0 Ft.	668 Ft.
a. Sewer Televising (Outside Contractors)	50 Ft.	50 Ft.

6.

	Current	Year to Date
LETS TV	0	0

7.

Manhole Inspections	119	146

8. Infiltration/Inflow Removal Work

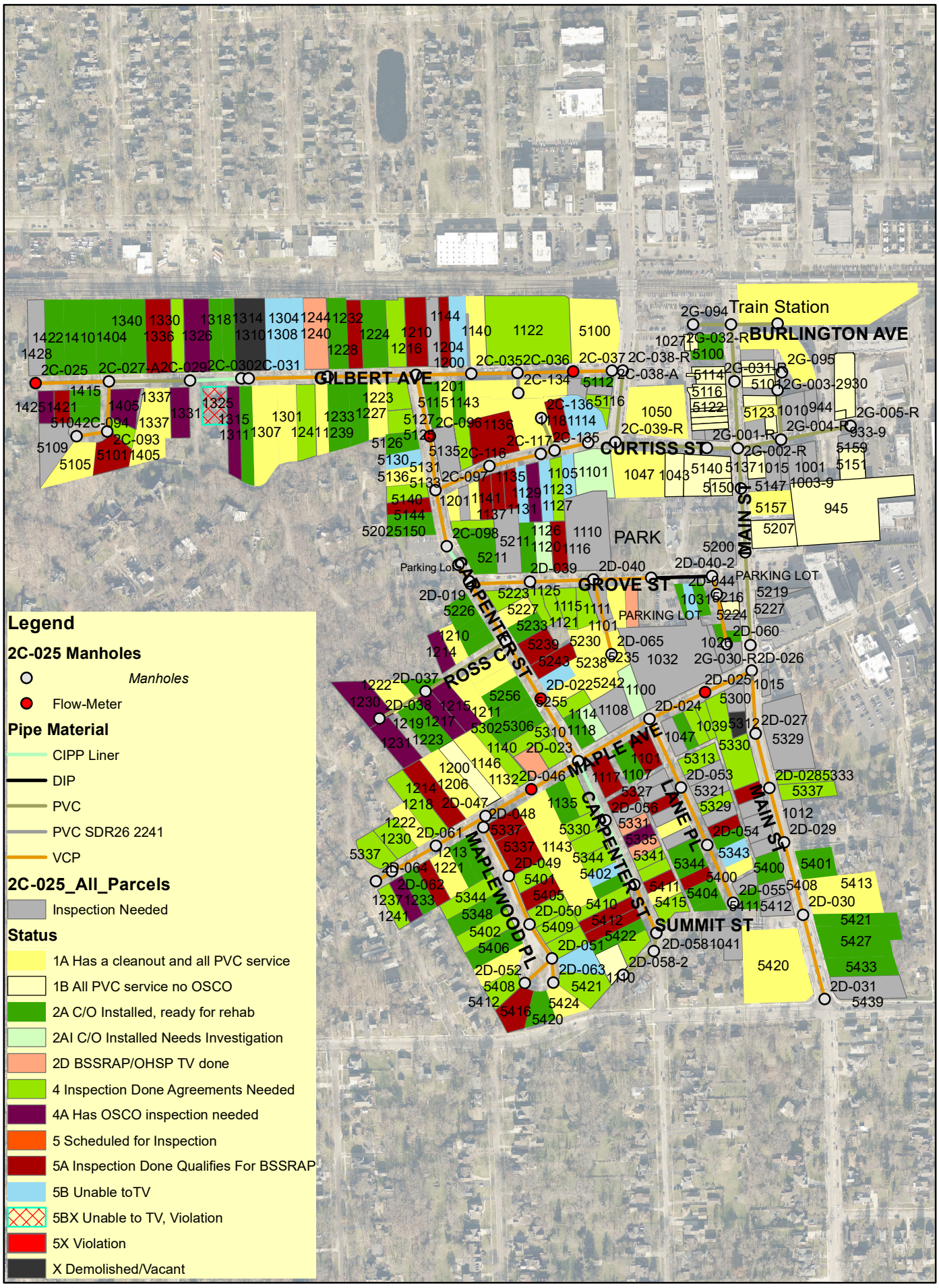
Inspection efforts on private property under the I/I program with the intention of conducting I/I removal are on-going in the 2C-025 basin in downtown Downers Grove. A map showing progress for the 2C-025 is included herein, as well as a summary sheet. Group "G" inspections are still being performed that include Main Street and Lane Place properties.

9. The VacCon Truck is expected to return to DGSD's possession by early April after the modifications that were being completed at the factory in Florida. The vehicle will be warranted as if it were a new vehicle built today. Alan Hartigan field-tested the modifications but found some minor issues that needed to be addressed that VacCon will fix before returning. Alan also visited the Cues Factory on his visit to evaluate the televising vehicles and their manufacturing process.

10. Annual cleaning in Maple Grove Woods has been completed. This maintenance of these lines is believed to help high flow situations through the Denburn Woods neighborhood.

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

2C-025 I&I Investigation Status



STATUS OF PARCELS 2C-025 I&I INVESTIGATION

Category	Inspections Scheduled	Inspections Completed	Application Received	Agreements Signed	Cleanout Installed	Service Rehab Done	**Totals**	**Total as Percentage**
1A	Y	Y	N	Y	Y	N/A	50	17%
1B	Y	Y	N	N	N	N/A	27	9%
2A	Y	Y	Y	Y	Y	N	45	16%
2AI	Y	Y	Y	Y	Y	N	4	1%
2B	Y	Y	Y	Y	Y	N	0	0%
2D	Y	Y	Y	N	N	N	4	1%
4	Y	Y	N	N	N	N	50	17%
4A	N	N	N	N	N/A	N	13	5%
5	Y	N	N	N	N	N	1	1%
5A	Y	Y	N	N	N	N	33	12%
5AX	Y	Y	N	N	N	N	0	0%
5B	Y	N	N	N	N	N	14	5%
5BX	Y	N	N	N	N	N	0	0%
0	N	N	N	N	N	N	43	15%
X	-	-	-	-	-	-	3	1%
5X	-	-	-	-	-	-	0	0%
							288	100%

Category Description:

1A - PVC service with cleanout
1B - All PVC no Cleanout
2A - Cleanout installed, ready for rehab
2AI C/O Installed Needs Investigation

2024 Basin I&I Ranking = 7

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

4/9/2025

DOWNERS GROVE SANITARY DISTRICT
M E M O

DATE: April 9, 2025

TO: Amy R. Underwood
General Manager

FROM: Keith Shaffner
Sewer Construction Supervisor

RE: Monthly Report: Sewer Construction \ Code Enforcement – March 2025

1. Permits issued:	Current	Year to Date
a. Single family	6	13
b. Multiple family	1	1
c. Commercial	1	3
d. Repair	0	3
e. Disconnection	5	12
Total	13	32

2. Inspections made:	Current	Year to Date
a. Connections	9	13
b. Finals	0	8
c. Repairs	0	5
d. Disconnects	4	10
f. Walk-Thru	0	0
g. Pre-connections	0	2
h. Overhead Sewer Program	0	0
i. Code Enforcement	0	2
j. Lateral testing	2	9
Total	21	49

3. New Sewer Extension Construction:

None

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

None

5. Code Enforcement:

Inspection of corrected sump pump violation found on Building Sanitary Sewer Service Repair Assistance Program inspection.

6. Plan & Permit Reviews:

   a. 814 Ogden – Commercial
   b. 5723 Springside – Single Family Home
   c. 2539 Ogden – Commercial
   d. 2201 Curtiss – Commercial
   e. 4018 Venard – Single Family Home
   f. 902 Maple – Multi-Family
   g. 4400 Florence – Single Family Home
   h. 6121 Woodward – Single Family Home
   i. 6111 Woodward – Single Family Home
   j. 6034 Margo – Single Family Home

7. Building Sanitary Service Access Agreements:

   a. 404 N. Park – Westmont
   b. 5200 Fairview – Downers Grove
   c. 3854 Glendenning – Downers Grove
   d. 4018 Venard – Downers Grove

8. Illinois EPA Permits:

   1362 Butterfield Road – Wendy's Downers Grove – 23 PE

9. Miscellaneous:

   None

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

Permits Issued: MARCH 2025

YEAR	PERMIT #	ADDRESS		STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2025	23	4947		WILCOX	DG	3/7/2025	SF-RB		$273.00
2025	27	4400		FLORENCE	DG	3/11/2025	DISCON		
2025	22	1922	D	CURTISS	DG	3/12/2025	SF-RB		$273.00
2025	16	404	N	PARK	W	3/12/2025	SF-RB		$273.00
2025	21	5200		FAIRVIEW	DG	3/14/2025	MULTI	$42,465.50	$452.00
2025	30	2001		63RD	DG	3/17/2025	DISCON		
2025	9	3854		GLENDENNING	DG	3/18/2025	SF-RB		$273.00
2025	32	902		MAPLE	DG	3/19/2025	DISCON		
2025	26	4018		VENARD	DG	3/19/2025	SF-SC	$3,860.50	$273.00
2025	18	4008	N	ADAMS	W	3/19/2025	SF-RB		$273.00
2025	33	4349		OAKWOOD	DG	3/21/2025	DISCON		
2025	27	4615		STANLEY	DG	3/27/2025	DISCON		
2025	24	816		OGDEN	DG	3/28/2025	COM		$452.00
						TOTAL:		$46,326.00	$2,542.00

Permit Type Index: SF=Single Family, RB=Rebuild, SC=Septic Conversion, ADD=Addition, Discon=Disconnect for Demolition, Comm=Commercial, MF=Multiple Family

Permit Final Inspections: MARCH 2025

YEAR	PERMIT #	ADDRESS	STREET	CITY	FINAL

Progress Report

To: Amy Underwood, General Manager
From: Reese Berry, Laboratory Supervisor
Date: April 9, 2025
Re: March 2025 Laboratory Report

DGSD had 4 excess flow sampling events during March 2025. DGSD had zero NPDES permit excursions during the month of March 2025.

Biosolids:

All data from the March sampling period was received. Biosolids data for Class A product was well below concentration limits. We will sample Class B Biosolids during the 2nd quarter monitoring period in the month of April.

Pretreatment:

I met with Arrow Gear during February to ensure their authorized representative understood all permit reporting requirements per their user permit. They're a new permitted user since the Fall of 2024, but he needed some guidance on what was required for self-monitoring report submittals.

We will begin to sample industrial permitted users in the coming months to fulfill DGSD requirements to sample at least semi-annually.

DGSD Annual Pretreatment Report is due at the end of April, so we are working on organizing data for that report.

Covid Sampling:

There was an update to the Covid, Influenza, and RSV sampling project through the IDPH (Illinois Department of Public Health) sampling program. They eliminated a sampling day, so we only submit samples for the program on Mondays each week. They still have regional plants within the state, which will sample more regularly. Many locations, around the state, were cut back to 1 day per week sampling. The regional sites were selected due to population density and regional location.

Biowin Modeling/Sampling:

During the month of March, we completed 1 sampling event for this project. We also include daily data we collected for various parameters throughout the month from these sampling points. The wet weather limited our ability to sample during March, along with scheduled vacation time.

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

To: Board of Trustees
From: Amy Underwood
Re: Engineering Report for March 2025
Date: April 11, 2025

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

I. Planning Projects & Studies

A. Biosolids Processing Improvements

Baxter & Woodman is addressing the District comments on the technical memorandum.

B. Maple Grove Bridge and Sanitary Sewer Replacement Project Feasibility Study

The Forest Preserve District of DuPage County is drafting an Intergovernmental Agreement to identify the cost sharing and responsibility between the Forest Preserve and the Sanitary District for the design and construction of this project. We are currently in negotiations on the cost sharing.

The Phase I engineering will be done in 2025.

II. Design Projects

A. 1-G-004 to 1-G-004A (Rogers St) Sewer Replacement

This project advertised for bids on March 20. The bid opening, which was scheduled for April 8, has been postponed to May 8 due to a delay in obtaining the Stormwater Permit from the Village.

B. Wroble Force Main Replacement

Bids were opened for this project on April 8. Staff will request that the Board award the project to the low bidder, Uno Construction, at the April 15 Board meeting.

C. Blower Room (Mercury) Clean Up

Valor Technologies started work on April 7. Midwest Environmental Consulting Services, Inc. is providing onsite observation.

III. Construction Projects

A. Centex Lift Station Replacement

The work is complete. The final payment request from Berger for this project is included in the April Claim Ordinance.

A	Original Contract Sum	A		$1,455,000.00
B	Net Change by Change Orders to Date	B	-	$62,501.55
C	Contract Sum to Date	A+B = C		$1,392,498.45

D	Total Completed and Stored to Date	D		$1,392,498.45
E	Retainage	E	-	$0.00
F	Total Earned Less Retainage	D-E= F		$1,392,498.45

G	Less Previous Certificates for Payment	Previous Payments	-	$1,182,324.80
H	**Current Payment Due**	**F-G= H**		**$210,173.65**

I	Balance to Finish, including Retainage	C-F=I	$0.00

Please refer to the Maintenance monthly report for information on the construction status.

B. Outfall 001 Sanitary Sewer Repair

The work is complete. The final payment request from Archon for this project is included in the April Claim Ordinance.

A	Original Contract Sum	A		$805,092.00
B	Net Change by Change Orders to Date	B	-	$168,903.38
C	Contract Sum to Date	A+B = C		$636,188.62

D	Total Completed and Stored to Date	D		$636,188.62
E	Retainage	E	-	$0.00
F	Total Earned Less Retainage	D-E= F		$636,188.62

G	Less Previous Certificates for Payment	Previous Payments	-	$526,852.60
H	**Current Payment Due**	**F-G= H**		**$109,336.02**

I	Balance to Finish, including Retainage	C-F=I	$0.00

C. Venard Force Main Replacement

No pay request was submitted this month.

A	Original Contract Sum	A		$669,021.00
B	Net Change by Change Orders to Date	B	+	$9,595.29
C	Contract Sum to Date	A+B = C		$678,616.29

D	Total Completed and Stored to Date	D		$634,083.33
E	Retainage	E	-	$12,681.67
F	Total Earned Less Retainage	D-E= F		$621,401.66

G	Less Previous Certificates for Payment	Previous Payments	-	$621,401.66
H	**Current Payment Due**	**F-G= H**		**$0.00**

I	Balance to Finish, including Retainage	C-F=I	$57,214.63

The reflective pavement marking and a small amount of sod will be installed in Spring when the weather allows it.

D. SCADA Platform Replacement (Ignition)

District operations staff are currently performing functionality testing of the new SCADA platform. Concentric is working on the punch list.

E. WWTC Gas Detection System – SCADA Integration

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

Engineer's Fee	$28,300.00
Total Completed to Date	$13,361.02
Less Previous Payments	-$12,521.02
Current Payment Due	**$840.00**
Remaining	$14,938.98

Concentric has provided the new SCADA screen for the District to review.

F. WWTC Gas Detection System

A payment request from Connelly Electric Co. for this project is included in the April Claim Ordinance.

A	Original Contract Sum	A		$312,000.00
B	Net Change by Change Orders to Date	B	+	$0.00
C	Contract Sum to Date	A+B = C		$312,000.00

D	Total Completed and Stored to Date	D		$216,980.00
E	Retainage	E	-	$21,698.00
F	Total Earned Less Retainage	D-E= F		$195,282.00

G	Less Previous Certificates for Payment	Previous Payments	-	$182,052.00
H	**Current Payment Due**	**F-G= H**		**$13,230.00**

I	Balance to Finish, including Retainage	C-F=I	$116,718.00

Due to manufacturing issues, delivery of the controllers has been delayed for five months.

G. 2024 Sewer Rehabilitation (Lining)

No pay request was submitted this month.

A	Original Contract Sum	A		$1,497,724.00
B	Net Change by Change Orders to Date	B	-	$62,310.00
C	Contract Sum to Date	A+B = C		$1,435,414.00

D	Total Completed and Stored to Date	D		$1,265,761.80
E	Retainage	E	-	$126,576.18
F	Total Earned Less Retainage	D-E= F		$1,139,185.62

G	Less Previous Certificates for Payment	Previous Payments	-	$1,139,185.62
H	**Current Payment Due**	**F-G= H**		**$0.00**

I	Balance to Finish, including Retainage	C-F=I	$296,228.38

The work is complete except for the grouting, which will be completed in the spring.

C: BOLI, CS, DM

DOWNERS GROVE SANITARY DISTRICT CASH BALANCES AND INVESTMENT SCHEDULE

DATE 3/31/2025

CASH BALANCES

ACCOUNT NAME	ACCOUNT NUMBER	3/31/2025 BALANCE PER BANK STATEMENT	PREVIOUS MONTH AS OF 02/28/25 BALANCE PER BANK STATEMENT	MONTHLY EARNINGS CREDIT	EARNINGS CREDIT APPLIED TO BANK FEES	NET MONTHLY EARNINGS CREDIT	YTD CUMULATIVE EARNINGS CREDIT	INT EARNED ON FUNDS IN EXCESS OF PEG BALANCE
DEPOSIT	XXXXXXXXX1116	$1,587,045.15	$1,320,346.19					
DISBURSEMENT	XXXXXXXXX1111	$215,756.49	$275,337.45					
FLEXIBLE BENEFITS	XXXXXXXXX6025	$7,345.34	$8,211.04					
PAYROLL	XXXXXXXXX1117	$220,557.18	$218,890.12					
PETTY CASH	XXXXXXXXX1112	$4,875.23	$4,153.01					
USER REFUNDS	XXXXXXXXX1114	$6,258.44	$6,293.27					
TOTAL - CASH AT BANK		**$2,041,837.83**	**$1,833,231.08**	$670.97	$1,714.42	($1,043.45)	$9,624.21	$1,217.30

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	24 MOS	8/9/2026	$250,000.00	4.000%			$250,000.00			$20,000.00
TOTAL CDs				**$250,000.00**	4.000%	$0.00	$0.00	$250,000.00	$0.00	$0.00	$20,000.00

TYPE	FINANCIAL INSTITUTION	TERM	LAST ACTION DATE	AMOUNT	CURRENT RATE OF RETURN						ESTIMATED ANNUAL RETURN
MM	BANKFINANCIAL	ONGOING	6/21/2023	$252,992.49	3.750%	$252,992.49					$9,487.22
MM	TRISTATE CAPITAL BANK	ONGOING	4/16/2021	$11.91	3.230%			$11.91			$0.38
TOTAL MM ACCOUNTS				**$253,004.40**	3.750%	$252,992.49	$0.00	$11.91	$0.00	$0.00	$9,487.60
SCHWAB - US TREASURIES		ONGOING	3/31/2025	**$3,764,681.66**	SEE ATTACHED	$3,764,681.66					SEE ATTACHED
ILLINOIS FUNDS - MONEY MARKET				**$5,795,629.09**	4.436%	$3,272,248.81	$929,285.17	$1,594,095.11	$0.00	$0.00	$257,094.11
TOTAL - ALL INVESTMENTS				**$10,063,315.15**		$7,289,922.96	$929,285.17	$1,844,107.02	$0.00	$0.00	

TOTAL CASH AND INVESTMENTS	**$12,105,152.98**

NOTES:

As of October 2024, any "Net Monthly Earnings Credits" in excess of the "Earnings Credit Applied to Bank Fees" accumulate and roll forward into the "YTD Cumulative Earnings Credit". The "YTD Cumulative Earnings Credit" will reset to $0 annually at the end of our fiscal year. The Monthly Earnings Credit Rate was 1.45% for FEBRUARY 2025 and was applied to any balances that did not earn interest.

In addition, we earn cash interest on all Chase daily balances in excess of the the peg balance. As of 1/16/2025, the Treasurer determined that there are adequate Cumulative Earnings Credits to cover the estimated Bank Fees through the end of the fiscal year. Therefore, the Treasurer reduced peg balance to $10,000 to use and deplete the Cumulative Earnings Credits which will reset to $0 on 05/01/25. Reducing this balance allows us to earn interest on a larger portion of our working cash. The interest rate for FEBRUARY 2025 was 1.35%. We will likely reset this peg balance on 5/1/25 to cover monthly bank fees and begin to build Cumulative Earnings Credits with any excess.

SCHWAB INVESTMENTS

3/31/2025

	QUANTITY/PAR	3/31/2025 CURRENT MARKET PRICE($)	3/31/2025 SCHWAB MARKET VALUE	PURCHASE PRICE($)	AT DATE OF PURCHASE COST BASIS/PURCHASE PRICE	3/31/2025 MARK TO MARKET UNREALIZED GAIN/(LOSS)
912797NC7 US TREASURY	680,000.00	$ 99.729430	$ 678,160.12	$ 97.848100	$ 665,367.28	$ 12,792.84
912797MG9 US TREASURY	517,000.00	$ 98.519110	$ 509,343.80	$ 96.757000	$ 500,233.69	$ 9,110.11
912797MS3 US TREASURY	693,000.00	$ 97.917220	$ 678,566.33	$ 96.137700	$ 666,234.63	$ 12,331.70
91282CHM6 US TREASURY NOTE	491,000.00	$ 100.625000	$ 494,068.75	$ 100.533500	$ 493,619.56	$ 449.19
91282CLP4 US TREASURY NOTE	673,000.00	$ 99.328120	$ 668,478.25	$ 98.913000	$ 665,684.49	$ 2,793.76
06405VHE2 BANK OF NEW YORK CD 6MO 4.3%	125,000.00	$ 100.024300	$ 125,030.38	$ 100.000000	$ 125,000.00	$ 30.38
38150VN39 GOLDMAN SACHS CD 12MO 4.2%	250,000.00	$ 100.043800	$ 250,109.50	$ 100.000000	$ 250,000.00	$ 109.50
27002YHJ8 EAGLEBANK CD 12MO 4.2%	125,000.00	$ 100.110400	$ 125,138.00	$ 100.000000	$ 125,000.00	$ 138.00
61690DT81 MORGAN STANLEY CD 18MO 4.25%	125,000.00	$ 100.268200	$ 125,335.25	$ 100.000000	$ 125,000.00	$ 335.25
59013K5F9 MERRICK BANK CD 24MO 4.25%	125,000.00	$ 100.546500	$ 125,683.14	$ 100.000000	$ 125,000.00	$ 683.13
FIXED INCOME - POSITIONS			$ 3,779,913.51		$ 3,741,139.65	$ 38,773.86
CASH			$ 11,783.97		$ -	
MONEY FUND (SNSXX)			$ 11,758.04	ORIG EXCESS CASH BAL	$ 624.07	
DIVIDENDS AND INTEREST EARNED**				CUMULATIVE EARNINGS THRU 2/28/25	$ 11,096.82	
				EARNINGS THIS MONTH 3/31/25	$ 11,821.12	
91282CLP4 / ACCRUED INTEREST PAID AT PURCHASE DATE 10/28/24					$ -	
TOTAL	3,804,000.00	MARKET VALUE	$ 3,803,455.52	INVESTMENT SCH TOTAL	$ 3,764,681.66	
91282CLP4 / ACCRUED INTEREST PAID AT PURCHASE DATE 10/28/24					$ -	
UNREALIZED GAIN/(LOSS)				3/31/25 YTD	$ 38,773.86	
ENDING MARKET VALUE AS REPORTED ON SCHWAB STATEMENT				3/31/2025	$ 3,803,455.51	

**All earned Dividends and Interest will be automaticall reinvested into the Money Fund (SNSXX) each month.

A Message About Your Account

Statement of Financial Condition

The most recent statement of financial condition for Charles Schwab & Co., Inc. (CS&Co) may be obtained at no cost, via the Internet at http://www.schwab.com/legal/financials or by contacting CS&Co at 1-800-435-4000. If you are a client of an independent investment advisor, contact Schwab Alliance at 1-800-515-2157. International clients, please call us at +1-415-667-7870 and Charles Schwab Hong Kong clients, please call +852-2101-0500. At December 31, 2024, CS&Co had net capital and a net capital requirement of $11.1 billion and $2.0 billion, respectively. A copy of the report may be requested via: Investor Relations, 3000 Schwab Way, Westlake, TX 76262. Independent investment advisors are not owned by, affiliated with, or supervised by CS&Co.

Industry Fee Announcement

Effective January 1, 2025, the Exchange Process Fee will be renamed the Industry Fee. For more information, please refer to the Charles Schwab Pricing Guide. (0125-9AU7)

Positions - Summary

Beginning Value as of 03/01	+	Transfer of Securities(In/Out)	+	Dividends Reinvested	+	Cash Activity	+	Change in Market Value	=	**Ending Value as of 03/31**	Cost Basis	Unrealized Gain/(Loss)
$3,782,954.24		$0.00		($37.15)		$11,821.12		$8,717.31		**$3,803,455.52**	$3,741,139.65	$38,773.86

Values may not reflect all of your gains/losses; Schwab has provided accurate gain and loss information wherever possible for most investments. Cost basis may be incomplete or unavailable for some of your holdings and may change or be adjusted in certain cases. Statement information should not be used for tax preparation, instead refer to official tax documents. For additional information refer to Terms and Conditions.

Cash and Cash Investments

Type	Symbol	Description	Quantity	Price($)	Beginning Balance($)	Ending Balance($)	Change in Period Balance($)	Pending/Unsettled Cash($)	Interest/ Yield Rate	% of Acct
Cash					0.00	11,777.50	11,777.50	0.00		<1%
Bank Sweep		CHARLES SCHWAB BANK [X,Z]			251,000.00	6.47	(250,993.53)		0.05%	<1%
Bank Sweep		SCHWAB PREMIER BANK [X,Z]			249,000.00	0.00	(249,000.00)		0.05%	
Money Fund (Non-Sweep)	SNSXX	SCHWAB US TREASURY MONEY [◊]	11,758.0400	1.0000	11,720.89	11,758.04	37.15			<1%
Total Cash and Cash Investments					**$511,720.89**	**$23,542.01**	**($488,178.88)**			**<1%**

Positions - Fixed Income

Symbol/ CUSIP	Description	Coupon	Maturity Date	Quantity/Par	Price($)	Market Value($)	Adj Cost Basis/ *Orig Cost Basis*($)	Unrealized Gain/(Loss)($)	Yield to Maturity	Est. Annual Income($)	Accrued Income($)	% of Acct
912797NC7	US TREASURY		04/24/25	680,000.0000	99.72943	678,160.12	665,367.28 *665,367.28*	12,792.84	4.51%	N/A	0.00	18%
912797MG9	US TREASURY		08/07/25	517,000.0000	98.51911	509,343.80	500,233.69 *500,233.69*	9,110.11	4.35%	N/A	0.00	13%
912797MS3	US TREASURY		10/02/25	693,000.0000	97.91722	678,566.33	666,234.63 *666,234.63*	12,331.70	4.33%	N/A	0.00	18%
91282CHM6	US TREASUR NT Moodys: NR S&P: NR	4.5%	07/15/26	491,000.0000	100.62500	494,068.75	493,619.56 *493,619.56*	449.19	4.17%	22,095.00	4,638.73	13%
91282CLP4	US TREASUR NT	3.5%	09/30/26	673,000.0000	99.32812	668,478.25	665,684.49 *665,684.49*	2,793.76	4.09%	23,555.00	64.36	18%
06405VHE2	THE BANK OF NEW Y Moodys: NR S&P: NR	4.3%	09/08/25	125,000.0000	100.02430	125,030.38	125,000.00 *125,000.00*	30.38	4.30%	N/A	368.15	3%
38150VN39	GOLDMAN SACHS BAN Moodys: NR S&P: NR	4.2%	02/11/26	250,000.0000	100.04380	250,109.50	250,000.00 *250,000.00*	109.50	4.20%	N/A	1,409.59	7%
27002YHJ8	EAGLEBANK Moodys: NR S&P: NR	4.2%	03/06/26	125,000.0000	100.11040	125,138.00	125,000.00 *125,000.00*	138.00	4.20%	5,250.00	359.59	3%
61690DT81	MORGAN STANLEY B Moodys: NR S&P: NR	4.25%	09/08/26	125,000.0000	100.26820	125,335.25	125,000.00 *125,000.00*	335.25	4.25%	5,312.50	392.98	3%
59013K5F9	MERRICK BANK Moodys: NR S&P: NR	4.25%	03/10/27	125,000.0000	100.54650	125,683.13	125,000.00 *125,000.00*	683.13	4.25%	5,312.50	320.21	3%
Total Fixed Income				**3,804,000.0000**		**$3,779,913.51**		**$38,773.86**		**$61,525.00**	**$7,553.61**	**99%**

Accrued Income represents the interest that would be received if the fixed income investment was sold prior to the coupon payment.
Yield to Maturity is the annualized rate of return earned if held until maturity date.

Transactions - Summary

Beginning Cash* as of 03/01	+ Deposits	+ Withdrawals	+ Purchases	+ Sales/Redemptions	+ Dividends/Interest	+ Expenses	= Ending Cash* as of 03/31
$500,000.00	$0.00	$0.00	($500,037.15)	$0.00	$11,821.12	$0.00	$11,783.97

Other Activity **$0.00**

Other activity includes transactions which don't affect the cash balance such as stock transfers, splits, etc.

*Cash (includes any cash debit balance) held in your account plus the value of any cash invested in a sweep money fund.

Transaction Details

Date	Category	Action	Symbol/ CUSIP	Description	Quantity	Price/Rate per Share($)	Charges/ Interest($)	Amount($)	Realized Gain/(Loss)($)
03/05	Purchase		61690DT81	MORGAN STANLEY B 4.25%26 CD FDIC INS DUE 09/08/26	125,000.0000	100.0000		(125,000.00)	
03/07	Purchase		27002YHJ8	EAGLEBANK 4.2%26 CD FDIC INS DUE 03/06/26	125,000.0000	100.0000		(125,000.00)	
	Purchase		06405VHE2	THE BANK OF NEW Y 4.3%25 CD FDIC INS DUE 09/08/25	125,000.0000	100.0000		(125,000.00)	
03/10	Purchase		59013K5F9	MERRICK BANK 4.25%27 CD FDIC INS DUE 03/10/27	125,000.0000	100.0000		(125,000.00)	
03/17	Interest	Bank Interest X,Z		BANK INT 021625-031525				3.74	
	Interest	Bank Interest X,Z		BANK INT 021625-031525				2.73	
03/31	Purchase	Reinvested Shares	SNSXX	SCHWAB US TREASURY MONEY INVESTOR	37.1500	1.0000		(37.15)	
	Interest	Bond Interest	91282CLP4	US TREASUR NT 3.5%09/26				11,777.50	
	Dividend	Div For Reinvest	SNSXX	SCHWAB US TREASURY MONEY				37.15	
Total Transactions								**($488,216.03)**	**$0.00**

Date column represents the Settlement/Process date for each transaction.

Bank Sweep Activity

Date	Description	Amount
03/01	**Beginning Balance** X,Z	**$500,000.00**
03/05	BANK TRANSFER TO BROKERAGE	(125,000.00)
03/07	BANK TRANSFER TO BROKERAGE	(250,000.00)
03/10	BANK TRANSFER TO BROKERAGE	(125,000.00)
03/15	BANK INTEREST - CHARLES SCHWAB BANK X,Z	3.74

Date	Description	Amount
03/15	BANK INTEREST - SCHWAB PREMIER BANK X,Z	2.73
03/17	BANK SWEEP XFER FROM SCHWAB PREMIER BANK	(2.73)
03/17	BANK SWEEP XFER TO CHARLES SCHWAB BANK X	2.73
03/31	**Ending Balance** X,Z	**$6.47**
03/31	**Interest Rate** * Z	**0.05%**

* Your interest period was 02/16/25 - 03/15/25. Z

Downers Grove Sanitary District

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Downers Grove, IL 60515-0703
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Providing a Better Environment for South Central DuPage County

MEMORANDUM

To: Board of Trustees
From: Amy R. Underwood, General Manager
Date: April 11, 2025
Subject: Treasurer's Report for March 2025

Attached please find the subject report that tracks income and expenses for the first eleven months of Fiscal Year 24-25.

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

Year-to-date	Income	Expenses
General Fund	$ 11,644,328.40 (page 1)	$ 9,966,979.71 (page 6)
Improvement Fund	$ 839,500.83 (page 7)	$ 856,410.90 (page 8)
Construction Fund	$ 269,749.89 (page 9)	$ 229,894.58 (page 10)
Public Benefit Fund	$ 0.00 (page 11)	$ 0.00 (page 11)
TOTAL	$ 12,753,579.12	$ 11,053,285.19

C: BOLI, DM, CS

Fund number & Description	Ending Fund Balance
Fund 01 : GENERAL FUND	$8,898,046.65
Fund 02 : IMPROVEMENT FUND	$1,453,728.01
Fund 03 : CONSTRUCTION FUND	$1,861,068.76
Fund 05 : PUBLIC BENEFIT FUND	$37,817.83
Recap Totals	$12,250,661.25

FUND 01 GENERAL FUND

COST NUMBER	DESCRIPTION	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	1,505,404.04-	1,473,600-	31,804.04-	2.2	1,473,600-
3001	USER RECEIPTS	485,805.39-	429,072-	4,478,264.53-	4,360,025-	118,239.53-	2.7	4,702,200-
3002	SURCHARGES	47,422.37-	43,252-	442,940.55-	439,507-	3,433.55-	.8	474,000-
3004	PLAN REVIEW FEES	.00	0	.00	500-	500.00	100.0-	500-
3005	CONSTRUCTION INSPECTION FEES	.00	0	.00	500-	500.00	100.0-	500-
3006	PERMIT INSPECTION FEES	2,090.00-	1,500-	15,140.00-	17,500-	2,360.00	13.5-	19,000-
3007	INTEREST ON INVESTMENTS	24,558.51-	6,500-	297,959.67-	71,500-	226,459.67-	316.7	77,500-
3013	SAMPLING AND MONITORING	13,921.92-	8,030-	133,349.36-	105,470-	27,879.36-	26.4	116,000-
3014	REPLACEMENT TAXES	7,340.86-	10,300-	118,148.87-	98,000-	20,148.87-	20.6	120,000-
3015	MISCELLANEOUS INCOME	115.00-	300-	3,854.01-	3,700-	154.01-	4.2	4,000-
3016	SALE OF ELECTRICITY	.00	1,000-	19,553.84-	19,000-	553.84-	2.9	20,000-
3020	SALE OF PROPERTY	.00	4,000-	68,494.00-	88,000-	19,506.00	22.2-	92,000-
3021	TELEVISION INSPECTION	.00	0	.00	150-	150.00	100.0-	150-
3023	PROPERTY LEASE PAYMENTS	3,392.86-	3,300-	36,801.21-	36,700-	101.21-	.3	40,000-
3024	MONTHLY SERVICE FEES	461,346.16-	405,015-	4,494,295.83-	4,455,185-	39,110.83-	.9	4,860,200-
3027	GREASE WASTE	23,359.21-	16,000-	209,874.59-	184,000-	25,874.59-	14.1	200,000-
3035	INTERFUND TRANSFER	.00	0	750,000.00	800,000	50,000.00-	6.3-	1,150,000
3040	RENEWABLE ENERGY CREDITS	.00	0	60,366.90-	22,500-	37,866.90-	168.3	30,000-
3094	GRANTS AND INCENTIVES	.00	0	509,881.00-	0	509,881.00-	.0	0
	DEPT 05 TOTALS	1,069,352.28-	928,269-	11,644,328.40-	10,575,837-	1,068,491.40-	10.1	11,079,650-
	FUND REVENUE TOTAL	1,069,352.28-	928,269-	11,644,328.40-	10,575,837-	1,068,491.40-	10.1	11,079,650-
DEPT 11	O & M EXPENSES - ADMINISTRATION							
SECT A	SALARIES AND WAGES							
A001	TRUSTEES	.00	0	17,097.50	18,000	902.50-	5.0-	18,000
A002	BOLI	.00	0	.00	900	900.00-	100.0-	900
A003	GENERAL MANAGEMENT	20,826.53	22,320	252,355.77	267,780	15,424.23-	5.8-	290,100
A004	FINANCIAL RECORDS	17,174.84	21,170	218,499.33	254,030	35,530.67-	14.0-	275,200
A005	ADMINISTRATIVE RECORDS	4,073.17	2,410	42,726.60	28,890	13,836.60	47.9	31,300
A006	ENGINEERING	807.33	90	1,845.46	1,110	735.46	66.3	1,200
A007	CODE ENFORCEMENT	26,962.98	25,730	321,847.69	308,770	13,077.69	4.2	334,500
A008	SAFETY ACTIVITIES	3,687.20	4,220	50,467.76	50,680	212.24-	.4-	54,900
A030	BUILDING AND GROUNDS	.00	660	1,218.04	7,940	6,721.96-	84.7-	8,600
	SECT A TOTALS	73,532.05	76,600	906,058.15	938,100	32,041.85-	3.4-	1,014,700
SECT B	OPERATIONS AND MAINTENANCE							
B100	ELECTRICITY	289.72	600	2,905.68	8,200	5,294.32-	64.6-	8,800
B101	NATURAL GAS	713.55	400	1,545.58	3,300	1,754.42-	53.2-	3,500
B102	WATER, GARBAGE AND OTHER UTILITIES	54.98	200	558.98	1,300	741.02-	57.0-	1,300
B110	BANK CHARGES	26.80	950	330.87	10,550	10,219.13-	96.9-	11,500
B112	COMMUNICATION	2,620.69	2,400	22,325.15	26,400	4,074.85-	15.4-	28,000
B113	EMERGENCY/SAFETY EQUIPMENT	3,189.00	1,700	19,949.04	20,000	50.96-	.3-	21,700
B115	EQUIPMENT/EQUIPMENT REPAIR	6,579.32	23,750	76,846.36	273,250	196,403.64-	71.9-	297,000

FUND 01 GENERAL FUND

COST NUMBER	DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL-BUDGET VARIANCE	VAR %	TOTAL BUDGET
B116	SUPPLIES	477.81	600	5,380.38	7,100	1,719.62-	24.2-	7,500
B117	EMPLOYEE/DUTY COSTS	940.87	2,000	13,285.11	22,000	8,714.89-	39.6-	23,500
B118	BUILDING AND GROUNDS	997.79	5,000	17,161.46	55,000	37,838.54-	68.8-	56,200
B119	POSTAGE	16.40	600	7,152.70	8,600	1,447.30-	16.8-	9,200
B120	PRINTING/PHOTOGRAPHY	70.00	300	11,219.19	14,200	2,980.81-	21.0-	14,500
B121	USER BILLING MATERIALS	10,253.68	7,000	90,476.43	77,000	13,476.43	17.5	83,000
B124	CONTRACT SERVICES	42,709.80	29,000	246,800.46	320,000	73,199.54-	22.9-	348,800
B137	MEMBERSHIPS/SUBSCRIPTIONS	99.99	700	8,906.06	8,500	406.06	4.8	8,900
	SECT B TOTALS	69,040.40	75,200	524,843.45	855,400	330,556.55-	38.6-	923,400
	SECT C VEHICLES							
C222	GAS/FUEL	183.79	200	1,742.13	2,900	1,157.87-	39.9-	3,100
C225	OPERATION/REPAIR	28.46	0	2,675.35	2,700	24.65-	.9-	2,700
C226	VEHICLE PURCHASES	1,000.00	0	1,000.00	28,000	27,000.00-	96.4-	28,000
	SECT C TOTALS	1,212.25	200	5,417.48	33,600	28,182.52-	83.9-	33,800
	DEPT 11 TOTALS	143,784.70	152,000	1,436,319.08	1,827,100	390,780.92-	21.4-	1,971,900
	DEPT 12 O & M EXPENSES - WWTC							
	SECT A SALARIES AND WAGES							
A006	ENGINEERING	1,377.22	610	11,858.29	7,290	4,568.29	62.7	7,900
A009	OPERATIONS MANAGEMENT	9,885.68	9,420	107,932.94	112,980	5,047.06-	4.5-	122,400
A010	MAINTENANCE - BUDGET	.00	53,510	.00	642,090	91,870.81-	14.3-	695,600
A011	MAINTENANCE - WWTC	31,807.27	0	362,627.93	0	.00	.0	0
A012	MAINTENANCE - VEHICLES	.00	0	229.69	0	.00	.0	0
A013	MAINTENANCE - ENERGY RECOVERY	338.49	0	5,578.83	0	.00	.0	0
A014	MAINTENANCE - ELECTRICAL	13,847.04	0	181,782.74	0	.00	.0	0
A020	WWTC - BUDGET	.00	47,270	.00	567,230	4,913.34	.9	614,500
A021	WWTC - OPERATIONS	32,273.19	0	405,891.65	0	.00	.0	0
A022	WWTC - SLUDGE HANDLING	11,756.45	0	164,069.67	0	.00	.0	0
A023	WWTC - ENERGY RECOVERY	.00	0	2,182.02	0	.00	.0	0
A030	BUILDING AND GROUNDS	8,898.13	5,590	97,083.86	67,110	29,973.86	44.7	72,700
	SECT A TOTALS	110,183.47	116,400	1,339,237.62	1,396,700	57,462.38-	4.1-	1,513,100
	SECT B OPERATIONS AND MAINTENANCE							
B100	ELECTRICITY	6,923.28	11,000	104,440.85	134,000	29,559.15-	22.1-	145,000
B101	NATURAL GAS	3,216.57	1,400	7,129.97	11,600	4,470.03-	38.5-	12,500
B102	WATER, GARBAGE AND OTHER UTILITIES	2,178.53	4,000	26,694.39	41,000	14,305.61-	34.9-	43,500
B103	ODOR CONTROL	.00	200	.00	3,700	3,700.00-	100.0-	4,000
B104	FUEL - GENERATORS	.00	0	225.00	14,500	14,275.00-	98.5-	14,500
B112	COMMUNICATION	1,977.20	1,500	17,297.70	21,000	3,702.30-	17.6-	22,500
B113	EMERGENCY/SAFETY EQUIPMENT	1,650.34	3,000	17,048.21	35,200	18,151.79-	51.6-	38,200
B116	SUPPLIES	1,740.64	2,800	22,639.35	31,000	8,360.65-	27.0-	33,800
B117	EMPLOYEE/DUTY COSTS	2,307.11	3,000	23,149.21	33,000	9,850.79-	29.9-	34,500
B124	CONTRACT SERVICES	.00	0	204,234.00	204,300	66.00-	.0	204,300

FUND 01 GENERAL FUND

COST NUMBER	DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL-BUDGET VARIANCE	VAR %	TOTAL BUDGET
B130	NPDES PERMIT FEES	.00	0	53,000.00	53,000	.00	.0	53,000
B131	SLUDGE HAULING/DISPOSAL SERVICES	.00	0	126,782.25	67,500	59,282.25	87.8	135,000
B400	CHEMICALS - BUDGET	.00	16,083	.00	230,415	103,847.56-	45.1-	246,500
B401	CHEMICALS - DISINFECTION	.00	0	74,620.81	0	.00	.0	0
B402	CHEMICALS - SLUDGE DEWATERING	7,995.60	0	42,325.88	0	.00	.0	0
B404	CHEMICALS - OTHER	.00	0	9,620.75	0	.00	.0	0
B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS	10,971.37	3,000	234,934.72	273,000	38,065.28-	13.9-	275,400
B502	EQPT/EQPT REPAIR - DISINFECTION	10,545.08	2,500	13,382.38	56,000	42,617.62-	76.1-	58,400
B503	EQPT/EQPT REPAIR - EXCESS FLOW	.00	5,000	4,217.92	55,300	51,082.08-	92.4-	60,400
B504	EQPT/EQPT REPAIR - GRIT REMOVAL	.00	1,500	2,129.71	45,500	43,370.29-	95.3-	47,000
B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	8,073.41	6,000	38,292.04	72,400	34,107.96-	47.1-	78,400
B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	2,703.73	2,700	61,964.56	148,900	86,935.44-	58.4-	151,600
B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	907.40	7,300	71,423.47	184,400	112,976.53-	61.3-	191,700
B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	.00	500	13,835.91	20,200	6,364.09-	31.5-	20,700
B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	26.54	2,500	13,796.23	27,500	13,703.77-	49.8-	30,000
B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	9,005.44	10,000	30,959.56	93,000	62,040.44-	66.7-	103,000
B511	EQPT/EQPT REPAIR - TERTIARY TREATMENT	17,801.99	2,500	122,017.41	126,400	4,382.59-	3.5-	128,900
B512	EQPT/EQPT REPAIR - WWTC GENERAL	1,219.26	4,000	47,525.69	51,200	3,674.31-	7.2-	55,200
B513	EQPT/EQPT REPAIR - WWTC UTILITIES	18,687.64	26,000	431,659.38	804,000	372,340.62-	46.3-	831,800
B801	BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOS	.00	25	53.46	275	221.54-	80.6-	300
B802	BLDG AND GROUNDS - DISINFECTION	348.36	700	9,077.81	7,900	1,177.81	14.9	8,600
B803	BLDG AND GROUNDS - EXCESS FLOW	.00	600	169.87	8,400	8,230.13-	98.0-	9,000
B804	BLDG AND GROUNDS - GRIT REMOVAL	717.75	500	10,212.85	5,500	4,712.85	85.7	5,900
B805	BLDG AND GROUNDS - INFLUENT PUMPING	.00	2,000	6,389.13	22,000	15,610.87-	71.0-	23,000
B807	BLDG AND GROUNDS - SECONDARY TREATMENT	.00	100	23.48	1,500	1,476.52-	98.4-	1,600
B809	BLDG AND GROUNDS - SLUDGE DEWATERING	.00	600	740.23	7,100	6,359.77-	89.6-	7,700
B810	BLDG AND GROUNDS - SLUDGE DIGESTION	2,262.68	500	12,149.12	6,300	5,849.12	92.8	6,800
B811	BLDG AND GROUNDS - TERTIARY TREATMENT	177.40	2,000	10,440.34	49,600	39,159.66-	79.0-	51,600
B812	BLDG AND GROUNDS - WWTC GENERAL	736.77	24,000	138,757.75	387,400	248,642.25-	64.2-	436,400
B813	BLDG AND GROUNDS - WWTC UTILITIES	212.65	300	307.80	4,100	3,792.20-	92.5-	4,400
	SECT B TOTALS	112,386.74	147,808	2,003,669.19	3,338,090	1,334,420.81-	40.0-	3,575,100
	SECT C VEHICLES							
C222	GAS/FUEL	1,346.63	2,000	19,961.31	25,000	5,038.69-	20.2-	27,000
C225	OPERATION/REPAIR	264.33	500	11,648.70	6,500	5,148.70	79.2	7,000
C226	VEHICLE PURCHASES	.00	0	99,706.00	104,800	5,094.00-	4.9-	104,800
	SECT C TOTALS	1,610.96	2,500	131,316.01	136,300	4,983.99-	3.7-	138,800
	DEPT 12 TOTALS	224,181.17	266,708	3,474,222.82	4,871,090	1,396,867.18-	28.7-	5,227,000
	DEPT 13 O & M EXPENSES - LABORATORY							
	SECT A SALARIES AND WAGES							
A009	OPERATIONS MANAGEMENT	8,626.62	5,620	96,277.05	67,380	28,897.05	42.9	73,000
A040	LABORATORY - BUDGET	.00	17,380	.00	208,520	41,544.47-	19.9-	225,900
A041	LAB - WWTC	11,736.44	0	146,340.81	0	.00	.0	0
A042	LAB - PRETREATMENT	1,477.42	0	12,512.10	0	.00	.0	0

FUND 01 GENERAL FUND

COST NUMBER	DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL-BUDGET VARIANCE	VAR %	TOTAL BUDGET
A043	LAB - SURCHARGE PROGRAM	.00	0	3,804.92	0	.00	.0	0
A045	LAB - SOLIDS	.00	0	113.87	0	.00	.0	0
A046	LAB - AMMONIA	.00	0	56.94	0	.00	.0	0
A047	LAB - MICRO	.00	0	265.12	0	.00	.0	0
A048	LAB - ENERGY RECOVERY	293.96	0	3,881.77	0	.00	.0	0
	SECT A TOTALS	22,134.44	23,000	263,252.58	275,900	12,647.42-	4.6-	298,900
	SECT B OPERATIONS AND MAINTENANCE							
B112	COMMUNICATION	273.06	200	2,431.71	2,800	368.29-	13.2-	3,000
B114	CHEMICALS	1,626.95	2,300	25,743.34	25,400	343.34	1.4	27,700
B115	EQUIPMENT/EQUIPMENT REPAIR	38,661.02	4,000	53,687.25	48,000	5,687.25	11.9	52,000
B116	SUPPLIES	524.79	2,100	12,880.27	27,600	14,719.73-	53.3-	29,700
B117	EMPLOYEE/DUTY COSTS	134.79	500	4,624.01	7,500	2,875.99-	38.4-	8,000
B122	MONITORING EQUIPMENT	166.98	0	1,810.61	9,700	7,889.39-	81.3-	9,700
B123	OUTSIDE LAB SERVICES	1,465.40	4,300	17,857.02	47,300	29,442.98-	62.3-	51,500
B124	CONTRACT SERVICES	1,303.50	6,200	16,231.17	68,800	52,568.83-	76.4-	75,000
	SECT B TOTALS	44,156.49	19,600	135,265.38	237,100	101,834.62-	43.0-	256,600
	SECT C VEHICLES							
C222	GAS/FUEL	41.81	50	596.72	950	353.28-	37.2-	1,000
C225	OPERATION/REPAIR	.00	0	48.33	750	701.67-	93.6-	1,000
	SECT C TOTALS	41.81	50	645.05	1,700	1,054.95-	62.1-	2,000
	DEPT 13 TOTALS	66,332.74	42,650	399,163.01	514,700	115,536.99-	22.5-	557,500
	DEPT 14 O & M EXPENSES - SEWER SYSTEM							
	SECT A SALARIES AND WAGES							
A006	ENGINEERING	47.49	380	3,897.03	4,520	622.97-	13.8-	4,900
A050	SEWER MAINTENANCE - BUDGET	.00	23,200	.00	278,400	57,024.29	20.5	301,600
A051	SEWER MAINTENANCE	24,326.69	0	325,700.19	0	.00	.0	0
A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	800.00	0	9,724.10	0	.00	.0	0
A060	INSPECTION - BUDGET	.00	18,150	.00	217,750	50,333.67-	23.1-	235,900
A061	INSPECTION - NEW CONSTRUCTION	.00	0	1,012.10	0	.00	.0	0
A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	.00	0	12,955.12	0	.00	.0	0
A063	INSPECTION - PERMIT INSPECTIONS	.00	0	7,771.74	0	.00	.0	0
A064	INSPECTION - MISCELLANEOUS	.00	0	5,875.85	0	.00	.0	0
A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	.00	0	11,757.20	0	.00	.0	0
A066	INSPECTION - CODE ENFORCEMENT	13,336.87	0	128,044.32	0	.00	.0	0
A070	SEWER INVESTIGATIONS - BUDGET	.00	1,580	.00	19,020	13,121.73-	69.0-	20,600
A072	SEWER INVESTIGATIONS	3,315.47	0	5,898.27	0	.00	.0	0
	SECT A TOTALS	41,826.52	43,310	512,635.92	519,690	7,054.08-	1.4-	563,000
	SECT B OPERATIONS AND MAINTENANCE							
B112	COMMUNICATION	984.13	800	9,217.73	8,800	417.73	4.8	9,500

FUND 01 GENERAL FUND

COST NUMBER	DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL-BUDGET VARIANCE	VAR %	TOTAL BUDGET
B113	EMERGENCY/SAFETY EQUIPMENT	13.46	250	1,602.36	2,750	1,147.64-	41.7-	3,000
B115	EQUIPMENT/EQUIPMENT REPAIR	92.96	2,000	57,370.58	72,500	15,129.42-	20.9-	74,500
B116	SUPPLIES	377.48	400	4,863.36	4,400	463.36	10.5	4,700
B117	EMPLOYEE/DUTY COSTS	1,638.52	1,800	14,634.65	19,800	5,165.35-	26.1-	21,500
B124	CONTRACT SERVICES	.00	0	124,204.40	105,000	19,204.40	18.3	105,000
B127	JULIE SYSTEM	.00	0	16,047.42	16,400	352.58-	2.2-	16,400
B128	OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM	.00	1,000	.00	14,000	14,000.00-	100.0-	15,000
B129	REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGE	.00	1,000	350.00	11,000	10,650.00-	96.8-	12,000
B900	SEWER SYSTEM REPAIRS - BUDGET	.00	275,000	.00	2,780,100	463,071.42-	16.7-	3,055,100
B901	SEWER SYSTEM REPAIRS - I/I PROGRAM	.00	0	208,170.77	0	.00	.0	0
B902	SEWER SYSTEM REPAIRS - REPLACEMENT	8,069.25	0	75,265.97	0	.00	.0	0
B903	SEWER SYSTEM REPAIRS - REHABILITATION	.00	0	1,172,217.18	0	.00	.0	0
B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	98,348.53	0	751,887.08	0	.00	.0	0
B912	SEWER SYSTEM REPAIRS - BSSRAP - NONTARGET I	207.32	0	207.32	0	.00	.0	0
B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/R	.00	0	18,484.66	0	.00	.0	0
B929	ARRA LOAN PRINCIPAL REPAYMENT	.00	0	90,795.60	0	.00	.0	0
	SECT B TOTALS	109,731.65	282,250	2,545,319.08	3,034,750	489,430.92-	16.1-	3,316,700
	SECT C VEHICLES							
C222	GAS/FUEL	1,246.40	1,600	19,433.89	18,400	1,033.89	5.6	20,000
C225	OPERATION/REPAIR	1,434.11	1,200	4,554.23	13,800	9,245.77-	67.0-	15,000
C226	VEHICLE PURCHASES	.00	0	112,579.26	114,500	1,920.74-	1.7-	114,500
	SECT C TOTALS	2,680.51	2,800	136,567.38	146,700	10,132.62-	6.9-	149,500
	DEPT 14 TOTALS	154,238.68	328,360	3,194,522.38	3,701,140	506,617.62-	13.7-	4,029,200
	DEPT 15 O & M EXPENSES - LIFT STATIONS							
	SECT A SALARIES AND WAGES							
A006	ENGINEERING	142.47	380	851.02	4,520	3,668.98-	81.2-	4,900
A009	OPERATIONS MANAGEMENT	507.73	120	8,364.20	1,380	6,984.20	506.1	1,500
A030	BUILDING AND GROUNDS	.00	190	1,072.54	2,210	1,137.46-	51.5-	2,400
A080	LIFT STATION MAINTENANCE	3,953.73	1,730	39,403.95	20,670	18,733.95	90.6	22,400
	SECT A TOTALS	4,603.93	2,420	49,691.71	28,780	20,911.71	72.7	31,200
	SECT B OPERATIONS AND MAINTENANCE							
B100	ELECTRICITY	10,261.96	16,000	119,977.43	184,000	64,022.57-	34.8-	200,000
B104	FUEL - GENERATORS	.00	0	334.81	4,600	4,265.19-	92.7-	4,600
B112	COMMUNICATION	319.24	400	3,833.93	4,600	766.07-	16.7-	5,000
B113	EMERGENCY/SAFETY EQUIPMENT	.00	0	1,212.34	2,200	987.66-	44.9-	2,200
B116	SUPPLIES	.00	0	172.74	400	227.26-	56.8-	400
B124	CONTRACT SERVICES	.00	0	.00	500	500.00-	100.0-	500
B520	EQPT/EQPT REPAIR - BUTTERFIELD	.00	600	994.00	7,100	6,106.00-	86.0-	7,700
B521	EQPT/EQPT REPAIR - CENTEX	36.78	300	1,751.95	3,500	1,748.05-	49.9-	3,800
B522	EQPT/EQPT REPAIR - COLLEGE	.00	300	3,327.00	20,000	16,673.00-	83.4-	20,200
B523	EQPT/EQPT REPAIR - EARLSTON	.00	2,600	17,229.97	28,700	11,470.03-	40.0-	31,300

FUND 01 GENERAL FUND

COST NUMBER	DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL-BUDGET VARIANCE	VAR %	TOTAL BUDGET
B524	EQPT/EQPT REPAIR - HOBSON	3,212.41	10,500	46,779.43	91,200	44,420.57-	48.7-	101,700
B525	EQPT/EQPT REPAIR - LIBERTY PARK	.00	100	1,343.73	4,100	2,756.27-	67.2-	4,200
B526	EQPT/EQPT REPAIR - NORTHWEST	11,709.59	100	12,303.88	8,500	3,803.88	44.8	8,600
B527	EQPT/EQPT REPAIR - VENARD	1,212.00	1,300	2,490.50	14,900	12,409.50-	83.3-	15,900
B528	EQPT/EQPT REPAIR - WROBLE	6,579.71	1,300	19,169.34	14,300	4,869.34	34.1	15,500
B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	979.19	5,200	2,239.57	57,500	55,260.43-	96.1-	62,700
B820	BLDG AND GROUNDS - BUTTERFIELD	.00	0	1,339.37	0	1,339.37	.0	0
B821	BLDG AND GROUNDS - CENTEX	.00	0	1,112.30	0	1,112.30	.0	0
B822	BLDG AND GROUNDS - COLLEGE	.00	0	.00	5,000	5,000.00-	100.0-	5,000
B823	BLDG AND GROUNDS - EARLSTON	32.35	0	1,328.27	20,800	19,471.73-	93.6-	20,800
B824	BLDG AND GROUNDS - HOBSON	72.40	0	2,071.27	57,800	55,728.73-	96.4-	57,800
B825	BLDG AND GROUNDS - LIBERTY PARK	.00	0	3,497.77	0	3,497.77	.0	0
B826	BLDG AND GROUNDS - NORTHWEST	47.92	0	1,507.24	20,000	18,492.76-	92.5-	20,000
B827	BLDG AND GROUNDS - VENARD	.00	0	1,118.97	0	1,118.97	.0	0
B828	BLDG AND GROUNDS - WROBLE	.00	0	2,595.32	8,400	5,804.68-	69.1-	8,400
B829	BLDG AND GROUNDS - LIFT STATIONS GENERAL	82.11	2,000	183.55	29,300	29,116.45-	99.4-	31,300
	SECT B TOTALS	34,545.66	40,700	247,914.68	587,400	339,485.32-	57.8-	627,600
	DEPT 15 TOTALS	39,149.59	43,120	297,606.39	616,180	318,573.61-	51.7-	658,800
	DEPT 17 O & M EXPENSES - INSURANCE & EMPLOYEE BENEFITS							
	SECT E INSURANCE AND EMPLOYEE BENEFITS							
E452	LIABILITY/PROPERTY	1,596.00	0	253,232.55	242,000	11,232.55	4.6	242,000
E455	EMPLOYEE GROUP HEALTH	46,899.18	49,000	512,810.73	539,000	26,189.27-	4.9-	587,500
E460	IMRF	17,865.75	14,550	169,631.32	179,450	9,818.68-	5.5-	194,000
E461	SOCIAL SECURITY	18,967.30	19,240	229,471.43	237,260	7,788.57-	3.3-	256,500
	SECT E TOTALS	85,328.23	82,790	1,165,146.03	1,197,710	32,563.97-	2.7-	1,280,000
	DEPT 17 TOTALS	85,328.23	82,790	1,165,146.03	1,197,710	32,563.97-	2.7-	1,280,000
	DEPT 91 SA EXPENSE							
	DEPT 91 TOTALS	.00	0	.00	0	.00		0
	FUND EXPENSE TOTAL	713,015.11	915,628	9,966,979.71	12,727,920	2,760,940.29-	21.7-	13,724,400
	FUND 01 TOTALS	356,337.17-	12,641-	1,677,348.69-	2,152,083	3,829,431.69-	177.9-	2,644,750

FUND 02 IMPROVEMENT FUND

COST NUMBER	DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
DEPT 05	REVENUES					
3007	INTEREST ON INVESTMENTS	3,565.86-	1,200-	32,230.86-	14,200-	15,400-
3010	TRUNK SEWER SERVICE CHARGES	21,988.25-	7,500-	57,269.97-	82,500-	90,000-
3035	INTERFUND TRANSFER	.00	0	750,000.00-	400,000-	750,000-
	DEPT 05 TOTALS	25,554.11-	8,700-	839,500.83-	496,700-	855,400-
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS					
0500	PROJECT BUDGET	.00	0	.00	46,600	93,200
0515	PAYMENT ON LOAN PRINCIPAL	.00	0	46,595.53	0	0
	DEPT 30 TOTALS	.00	0	46,595.53	46,600	93,200
DEPT 36	CAPITAL EXP - LIBERTY PARK LIFT STATION UPGRADE					
	DEPT 36 TOTALS	.00	0	.00	0	0
DEPT 41	CAPITAL EXP - BUTTERFIELD LIFT STATION UPGRADE					
	DEPT 41 TOTALS	.00	0	.00	0	0
DEPT 42	CAPITAL EXP - COLLEGE LIFT STATION UPGRADE					
	DEPT 42 TOTALS	.00	0	.00	0	0
DEPT 47	CAPITAL EXP - CENTEX LIFT STATION UPGRADE					
0506	CONSTRUCTION CONTRACTS AND PURCHASES	.00	0	133,649.80	0	0
	DEPT 47 TOTALS	.00	0	133,649.80	0	0
DEPT 48	CAPITAL - VENARD LIFT STATION UPGRADE					
0500	PROJECT BUDGET	.00	0	.00	845,000	845,000
0502	DESIGN ENGINEERING/ARCHITECTURAL	.00	0	737.50	0	0
0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVI	.00	0	9,906.34	0	0
0506	CONSTRUCTION CONTRACTS AND PURCHASES	.00	0	621,401.66	0	0
	DEPT 48 TOTALS	.00	0	632,045.50	845,000	845,000
DEPT 49	CAPITAL EXP - WROBLE LIFT STATION UPGRADE					
0500	PROJECT BUDGET	.00	5,000	.00	21,000	26,000
0502	DESIGN ENGINEERING/ARCHITECTURAL	18,470.70	0	44,120.07	0	0
	DEPT 49 TOTALS	18,470.70	5,000	44,120.07	21,000	26,000

FUND 02 IMPROVEMENT FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
DEPT 74	CAPITAL EXP - SEWER - UNSEWERED AREAS						
0500	PROJECT BUDGET		.00	0	.00	500	500
	DEPT 74 TOTALS		.00	0	.00	500	500
	FUND EXPENSE TOTAL		18,470.70	5,000	856,410.90	913,100	964,700
	FUND 02 TOTALS		7,083.41-	3,700-	16,910.07	416,400	109,300

FUND 03 CONSTRUCTION FUND

COST NUMBER	DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
DEPT 05	REVENUES					
3007	INTEREST ON INVESTMENTS	7,037.07-	1,900-	64,040.39-	21,200-	23,100-
3009	SEWER PERMIT FEES	46,326.00-	20,800-	205,709.50-	229,200-	250,000-
3035	INTERFUND TRANSFER	.00	0	.00	400,000-	400,000-
	DEPT 05 TOTALS	53,363.07-	22,700-	269,749.89-	650,400-	673,100-
DEPT 20	CAPITAL EXP - WWTC - GAS DETECTION/ALARMING					
0500	PROJECT BUDGET	.00	23,000	.00	444,000	444,000
0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVI	1,202.50	0	14,590.06	0	0
0506	CONSTRUCTION CONTRACTS AND PURCHASES	64,329.15	0	194,573.02	0	0
	DEPT 20 TOTALS	65,531.65	23,000	209,163.08	444,000	444,000
DEPT 21	CAPITAL EXP - WWTC - BIOSOLIDS IMPROVEMENTS					
0500	PROJECT BUDGET	.00	40,000	1,137.50	380,000	447,500
0501	REPORT ENGINEERING/ARCHITECTURAL	.00	0	5,190.35	0	0
	DEPT 21 TOTALS	.00	40,000	6,327.85	380,000	447,500
DEPT 22	CAPITAL EXP - WWTC - DIGESTER GAS SAFETY EQUIP					
0500	PROJECT BUDGET	.00	75,000	.00	260,000	335,000
	DEPT 22 TOTALS	.00	75,000	.00	260,000	335,000
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS					
0500	PROJECT BUDGET	.00	0	.00	14,450	28,900
0515	PAYMENT ON LOAN PRINCIPAL	.00	0	14,403.65	0	0
	DEPT 30 TOTALS	.00	0	14,403.65	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

FUND 03 CONSTRUCTION FUND

NUMBER	DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
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					
	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	65,531.65	138,000	229,894.58	1,098,450	1,255,400
	FUND 03 TOTALS	12,168.58	115,300	39,855.31-	448,050	582,300

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

FUND 71 SEWER EXTENSIONS ESCROW

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

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER
Wastewater Report, March 2025

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

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

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

SARS-CoV-2 LEVELS IN WASTEWATER

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

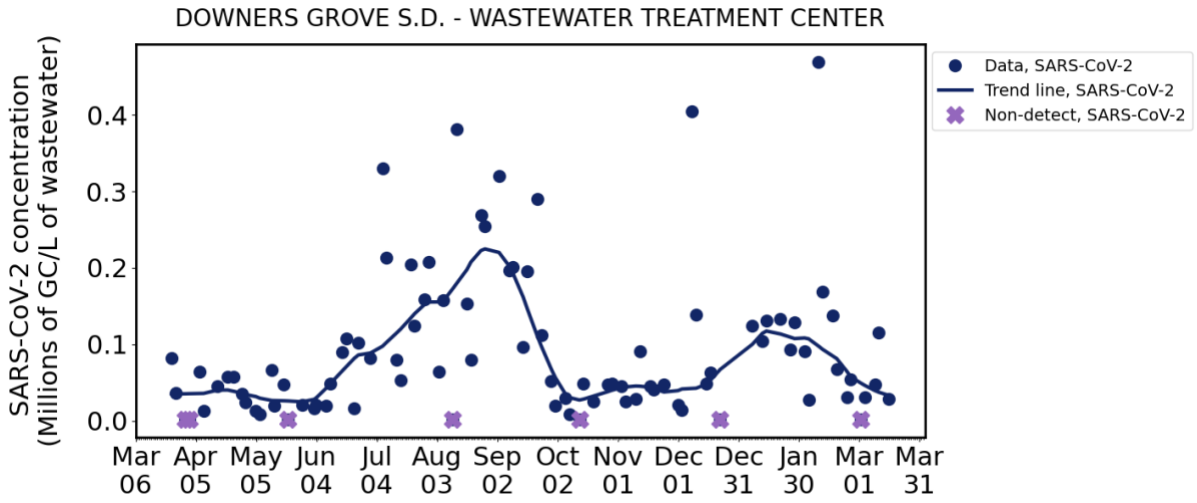

Figure 1. Time series plot of SARS-CoV-2 viral concentrations in millions of gene copies per liter (GC/L) of wastewater. Historical data can be found on the IWSS dashboard, link above.

SARS-CoV-2 SAMPLING RESULTS - LAST 8 SAMPLES

Date	SARS-CoV-2 (GC/L)
2025-03-16	28,500

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2025-03-11	115,575
2025-03-09	47,250
2025-03-04	30,450
2025-03-02	Non-detect
2025-02-25	54,000
2025-02-23	31,125
2025-02-18	66,975

SARS-CoV-2 LINEAGES IN WASTEWATER

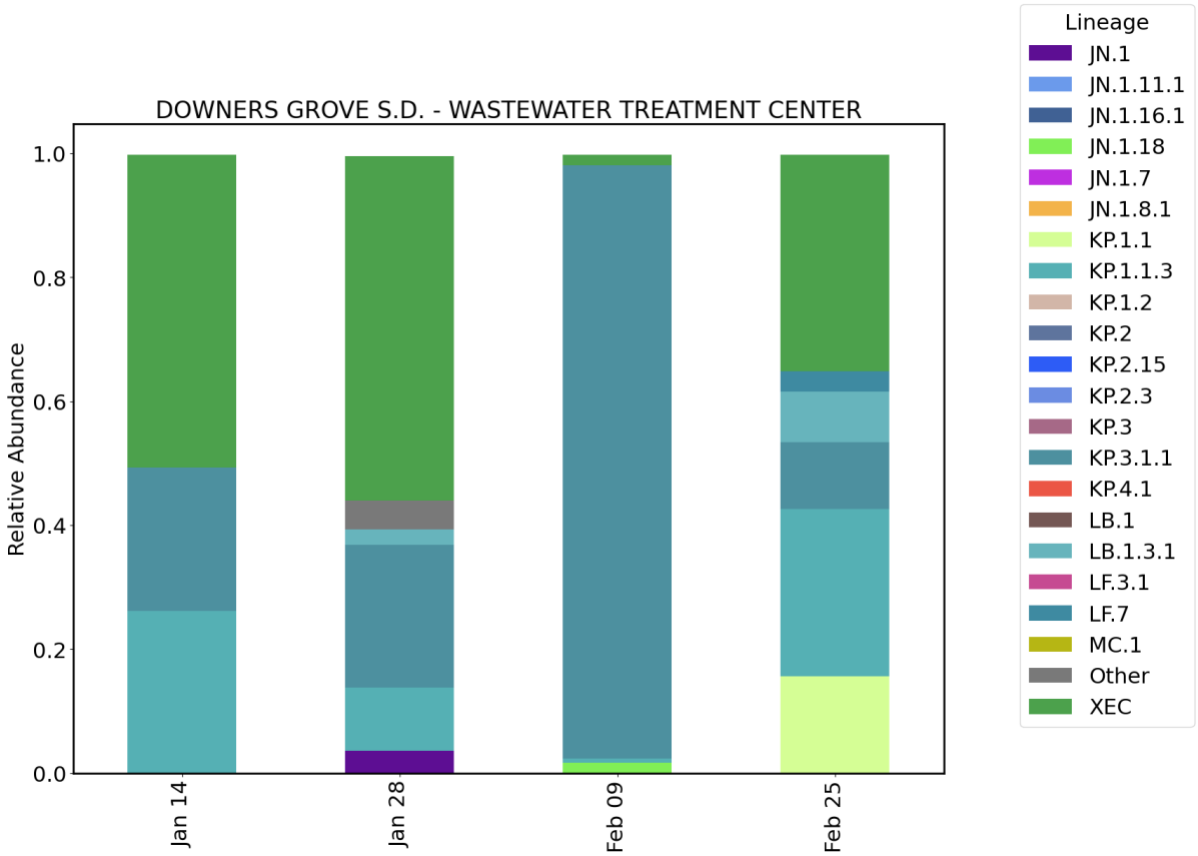

Figure 2. Stacked barplot showing the relative abundances of SARS-CoV-2 lineages in wastewater samples. All lineages in the legend, excluding "Other," are associated with Omicron. The most recently available two months worth of data are shown.

INFLUENZA A/B LEVELS IN WASTEWATER

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

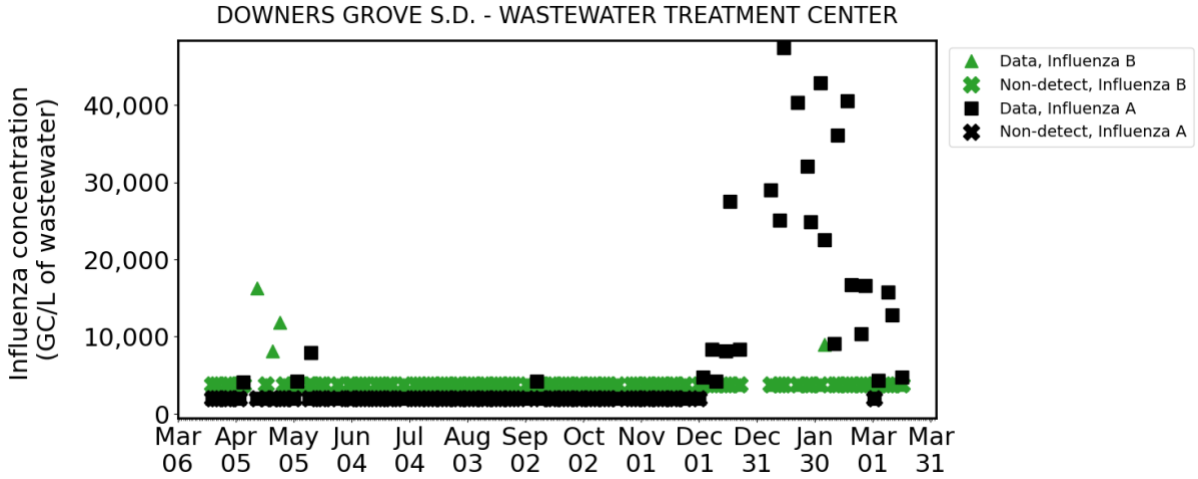

Figure 3. Time series plot of Influenza A/B viral concentrations in gene copies per liter (GC/L) of wastewater. Historical data can be found on the IWSS dashboard, link above.

INFLUENZA A/B SAMPLING RESULTS - LAST 8 SAMPLES

Date	Influenza A (GC/L)	Influenza B (GC/L)
2025-03-16	4,725	Non-detect
2025-03-11	12,825	Non-detect
2025-03-09	15,750	Non-detect
2025-03-04	4,350	Non-detect
2025-03-02	Non-detect	Non-detect
2025-02-25	16,575	Non-detect
2025-02-23	10,350	Non-detect
2025-02-18	16,725	Non-detect

RSV LEVELS IN WASTEWATER

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

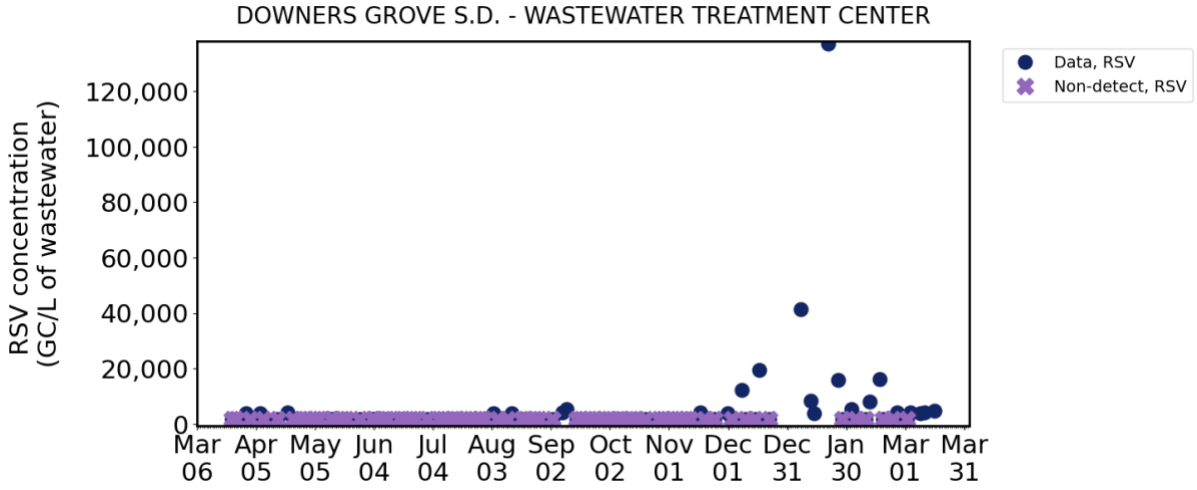

Figure 4. Time series plot of RSV viral concentrations in gene copies per liter (GC/L) of wastewater. Historical data can be found on the IWSS dashboard, link above.

RSV SAMPLING RESULTS - LAST 8 SAMPLES

Date	RSV (GC/L)
2025-03-16	4,725
2025-03-11	4,275
2025-03-09	3,975
2025-03-04	4,350
2025-03-02	Non-detect
2025-02-25	4,125
2025-02-23	Non-detect
2025-02-18	Non-detect

Guide to Interpreting Data on SARS-CoV-2, Influenza, & Respiratory Syncytial Virus (RSV) Gene Copies in Wastewater Samples

What do the results mean?

There are several factors to consider when interpreting viral data in wastewater. The rate, magnitude, and duration of shedding may vary from one person to another and from virus to virus, thus how or even whether it is possible to translate viral levels in wastewater into precise community health metrics is an open scientific question. It is only appropriate to monitor and observe the trends of viral gene copies detected in a community over time. The data presented in tables, graphs, and trend assessments show the concentration of RNA copies in the wastewater area from the community where the wastewater was collected. A significant increase in viral gene copies over time is an indicator that cases may be increasing in the community. Wastewater data should not be interpreted in isolation but rather considered alongside other public health metrics.

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

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

How are the gene copies measured in the wastewater?

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

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

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

What is the viral gene copy trend line?

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

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

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

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

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

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

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

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

What are lineages and how are they determined?

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

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

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

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

What is the sequencing plot showing me?

This plot is displaying the relative abundance, or proportion, of lineages found in a wastewater sample collected on a particular date. This plot was generated after comparing sample sequences to a SARS-CoV-2 reference genome and identifying characteristic mutations that are

associated with different variants. We then calculate the percentage of each variant present in the sample. This plot summarize the variant detections; lineages are displayed, as there are often many variants detected that are in the same lineage.

What do the results mean?

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

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

We cannot tell how many people are sick from the lineages observed in the wastewater. We can only see relative proportions of the variants that are present in the community served by the wastewater treatment plant. We do pay attention to specific mutations that have been identified as having clinical implications (e.g., for effectiveness of medications or disease severity).

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

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

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

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

Why do the lineages in the legend change periodically?

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

GENERAL MANAGER'S REPORT TO EMPLOYEES **March 21, 2025**

WWTC Operations Data – February

The DMR for February indicates that the final effluent averaged 1.80 mg/l CBOD, 0.3 mg/l suspended solids and 0.10 mg/l ammonia nitrogen over a daily average flow of 8.02 MGD. There were no permit excursions for the month.

Sewer Permits – February

There were 11 sewer permits issued in February – 3 single family, 1 commercial, 3 repair, and 4 disconnections.

Financial Data – February

In February, the District received $903,484 in the General Fund. Revenues into the General Fund included $351,294 in user charges, $30,598 in surcharges and $388,022 in monthly fees. General fund expenses totaled $655,884. The Improvement fund had revenues of $3,260 and expenses of $3,201. The Construction fund had revenues of $35,811 and expenses of $119,515.

Personnel

We have posted a job for the open Maintenance Mechanic position. Please refer interested parties to our website to view the job description, benefits details, and to apply.

https://www.dgsd.org/opportunities/#employment

Employee Outerwear

We appreciate your patience while we continue to work with vendors on quotes to get the best items and pricing from one place. It has been challenging but we are making some progress. As soon as the items are available in the shop we will let staff know. Items will include T-shirts, polos, sweatshirts, and other options that may be useful for spring/summer.

Five Year Financial Plan and Appropriation Ordinance

At the March 18 meeting, the Board approved the Fiscal Year 2025-26 budget. The FY 2025-26 budget includes a $0.50 increase for the user fee (increasing from $2.75 to $3.25 per 1,000 gal) and a $1.00 increase for the monthly fee (increasing from $20.00 to $21.00). The budget includes operation and maintenance expenses of $13,289,100, improvement fund expenses of $808,700 and construction fund expenses of $650,900 for the fiscal year starting May 1, 2025. The Board also approved the FY 2025-26 Appropriation Ordinance.

TopHealth April 2025

April's issue of TopHealth is enclosed.

Safety Documents

If you need to reference one of the District's Safety Policies, Programs or Procedures, you can find it in Target Solutions using either the link on the yellow folder at the top right of the home page or by selecting File Center from the menu at the left. In addition to the safety documents, other District policies and procedures can be found in the File Center.

Illinois Wastewater Surveillance System

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

Sewer Rehabilitation/Infiltration and Inflow Removal

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

Status of Projects

1) Centex Lift Station Replacement

   The contractor, Baxter & Woodman's electrical engineers, the equipment supplier and ComEd continue to work on addressing the electrical issues at this station.

2) Venard Force Main Replacement

   Striping will be completed in the spring, when the weather is warm enough.

3) SCADA Platform Replacement (Ignition)

   The District has reviewed every screen that Concentric has created to date. It is expected that the operators will start functionality testing of the new screens next week.

4) WWTC Combustible Gas Detection and Alarm System

   The contractor has installed conduit, emergency fixtures, gas sensors and transmitters. The controllers are expected to be delivered in the last week of March.

5) 2024 Sewer Rehabilitation (Outfall, Powell, and Ogden CIPP)

   The grouting work will be completed in the spring, when the weather is warm enough.

6) Facility Plan

B&W continues to work on the Facility Plan. The condition assessment walkthrough for the WWTC is expected to be scheduled in April.

7) Handrail Replacement

The bridge railing has been installed.

8) Blower Room Cleanup

At the March Board meeting, the Board awarded this project to the lowest responsive and responsible bidder, Valor Technologies, Inc. A purchase order has been issued.

9) Rogers Street Mainline Sewer Replacement

This project will replace 28 feet of 15" sanitary sewer between MH 1G-004 and MH 1G-004-A. This project was advertised for bids on March 20th. A pre-bid meeting will be held on Thursday, March 27th.

10) Wroble Force Main Replacement

Under this project, 610 feet of the Wroble Lift Station force main south of the intersection of 63rd St and Fairview Ave will be replaced. This project was advertised for bids on March 20th. A pre-bid meeting will be held on Thursday, March 27th.

GENERAL MANAGER'S REPORT TO EMPLOYEES **April 4, 2025**

Personnel

Jackie Hawking has been moved to a full-time Administrative Clerk position in the Administration Department.

We are currently scheduling interviews for the open Maintenance position. Please refer interested parties to our website to view the job description, benefits details, and to apply.

https://www.dgsd.org/opportunities/#employment

Employee Outerwear

In the coming weeks, T-shirts, Polo Shirts, and Sweatshirts will be made available for those employees who qualify for the outerwear reimbursement. We will also offer a quarter-zip long sleeve shirt and a vest. These items will be available to office staff as well. Please keep an eye on Teams for the announcement that the items are available.

We are still working out pricing on high-vis items and those will be added as soon as that is resolved.

Illinois Wastewater Surveillance System

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

Sewer Rehabilitation/Infiltration and Inflow Removal

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

Status of Projects

1) Centex Lift Station Replacement

   The potential solution to the electrical issues at this station has been worked out with the contractor and engineer. The District has been testing out the solution over the past couple of weeks. Testing will continue until we confident the solution works.

2) Venard Force Main Replacement

   Striping will be completed in the spring, when the weather is warm enough.

3) SCADA Platform Replacement (Ignition)

   The District has reviewed every screen that Concentric has created to date. Testing of the functionality of the new screens is ongoing.

4) WWTC Combustible Gas Detection and Alarm System

   Delivery of the controllers has been delayed for five months due to a manufacturing issue.

5) 2024 Sewer Rehabilitation (Outfall, Powell, and Ogden CIPP)

   The grouting work will be completed in the spring, when the weather is warm enough.

6) Facility Plan

   B&W continues to work on the Facility Plan. The condition assessment walkthrough for the WWTC is scheduled for Tuesday, April 8.

7) Blower Room Cleanup

   Work is expected to start on Monday, April 7.

8) Rogers Street Mainline Sewer Replacement

   This project will replace 28 feet of 15" sanitary sewer between MH 1G-004 and MH 1G-004-A. The pre-bid meeting was held on Thursday, March 27th. Bids will be opened on Tuesday, April 8.

9) Wroble Force Main Replacement

   Under this project, 610 feet of the Wroble Lift Station force main south of the intersection of 63rd St and Fairview Ave will be replaced. This project was advertised for bids on March 20th. The pre-bid meeting was held on Thursday, March 27th. Bids will be opened Tuesday, April 8.

10) Digester 1 Cleaning

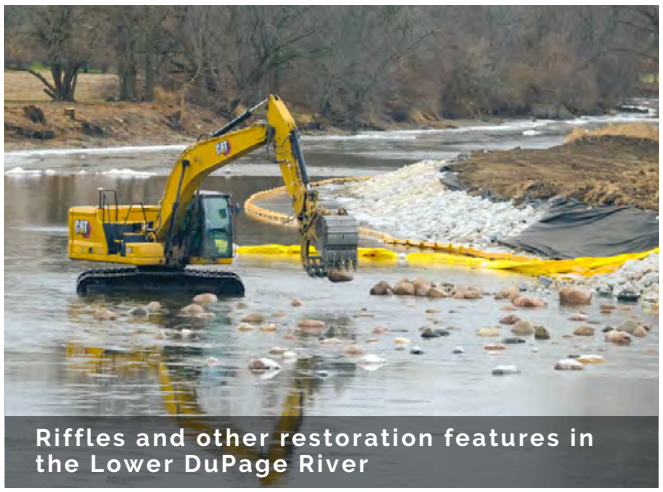
    Bids will be opened on Thursday, April 10 for Digester 1 cleaning.

DuPage River/Salt Creek
Special Conditions Report

March 31, 2025

Completion of dam removal and stream restoration on Salt Creek

Best Management Practices for winter roads maintenance and chloride reduction



Riffles and other restoration features in the Lower DuPage River

DuPage River Salt Creek Workgroup

10S404 Knoch Knolls Road | Naperville, IL 60565 | www.drscw.org
www.ldpwatersheds.org

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Introduction and Participation DuPage/Salt Creek Special Conditions Report, March 30, 2025.

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

Background – DuPage River Salt Creek Workgroup (DRSCW)

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

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

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

Project Name	Completion Date	Short-Term Objectives	Long-Term Objectives
Oak Meadows Golf Course Dam Removal	December 31, 2016 (Completed)	Improve dissolved oxygen (DO)	Improve fish passage
Oak Meadows Golf Course Stream Restoration	December 31, 2017 (Completed)	Improve aquatic habitat (Qualitative Habitat Evaluation Index (QHEI)), reduce inputs of nutrients and sediment	Raise macroinvertebrate Index of Biotic Integrity (mIBI)
Fawell Dam Modification	December 31, 2024 [1]	Modify dam to allow fish passage	Raise fish Index of Biotic Integrity (fIBI) upstream of structure

Project Name	Completion Date	Short-Term Objectives	Long-Term Objectives
Spring Brook Restoration and Dam Removal	December 31, 2020 (Completed)	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise mIBI and fIBI
Fullersburg Woods Dam Modification Concept Plan Development	December 31, 2016 (Completed)	Identify conceptual plan for dam modification and stream restoration	Build consensus among plan stakeholders
Fullersburg Woods Dam Modification	December 31, 2024 (Completed)	Improve DO, improve aquatic habitat (QHEl)	Raise mIBI and fIBI
Fullersburg Woods Dam Modification Area Stream Restoration	December 31, 2024 (Completed)	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise mIBI and fIBI
West Branch Physical Enhancement	December 31, 2023 (Completed)	Improve aquatic habitat (QHEI)	Raise mIBI and fIBI
Southern East Branch Stream Enhancement	December 31, 2024 [1]	Improve aquatic habitat (QHEl), reduce inputs of nutrients and sediment	Raise mIBI and fIBI
QUAL2Kw Modeling for West Branch, East Branch, and Salt Creek	December 31, 2023 (Completed)	Collect new baseline data and update model	Quantify improvements in watershed. Prioritize DO improvement projects for years beyond 2024
Nonpoint Source (NPS) Phosphorus Feasibility Analysis	December 31, 2021 (Completed)	Assess NPS performance from reductions leaf litter and street sweeping	Reduce NPS contributions to lowest practical levels
East Branch Phase II	December 31, 2028	Improve aquatic habitat (QHEI), reduce Inputs of nutrients and sediment	Raise mIBI and fIBI
Lower Salt Creek Phase II	December 31, 2028 (Completed) [2]	Improve aquatic habitat (QHEI), Remove fish barrier, reduce inputs of nutrients and sediment	Raise mIBI and fIBI
West Branch Restoration Project [a]	December 31, 2028	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise mIBI and fIBI

[1] Changed to December 31, 2025 (Fawell) and 2027 (Southern East Branch), via petition to IEPA by the DRSCW

[2]Added to Fullersburg Woods Project footprint

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

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

already treating to 1.0 mg/L TP due to earlier plant expansions. These assessments between 2023 and 2025 (valued at $6,043,773) have been allocated to fund an expansion of the Fullersburg Woods Dam removal and stream restoration project (Section 1.5), the lower East Branch Stream Enhancement project (Section 1.7), and a not yet identified project on the West Branch of the DuPage River.

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

Table 2. Participation in the DRSCW NPDES Permit Special Conditions 2023-2024

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

Agency Name	Facility Name	NPDES Permit Number	Membership Dues Paid 2023-24	Member Included in the 2015 Special Conditions	Assessment Paid for Paragraph 2 Table Project Funding for the 2022 Special Condition
Metropolitan Water Reclamation District of Greater Chicago	Hanover WRP	IL0036137	YES	YES	YES
Roselle, Village of	J. Botterman WWTP	IL0048721	YES	YES	YES
Roselle, Village of	J. L. Devlin WWTP	IL0030813	YES	YES	YES
Salt Creek Sanitary District	Salt Creek Sanitary District STP	IL0030953	YES	YES	YES
West Chicago, City of and Winfield, Village of	West Chicago/Winfield Wastewater Authority Regional WWTP	IL0023469	YES	YES	N/A
Wheaton Sanitary District	Wheaton Sanitary District WWTF	IL0031739	YES	YES	N/A
Wood Dale, City of	City of Wood Dale - North STP	IL0020061	YES	YES	YES
Wood Dale, City of	Wood Dale - South STP	IL0034274	YES	YES	YES

*The Bensenville South STP and Itasca STP only contributed funds to the Chloride/NIP/QUAL 2K/Trading Program (also known as the "studies" portion) of the 2015 Special Condition funds as both facilities NPDES permits already included a 1 mg/L for TP.
N/A means the agency does not have the condition included in its permit.

Background – Lower DuPage River Watershed Coalition (LDRWC)

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

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

Project Name	Completion Date	Short-Term Objectives	Long-Term Objectives
Hammel Woods Dam Removal	December 31, 2022(Completed)	Improve DO, reduce nuisance algae	Improve fish passage
DuPage River Stream enhancement South of 119th Street in Plainfield	December 31, 2025	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise mIBI and fIBI

Table 4. LDRWC/DRSCW Joint Activities

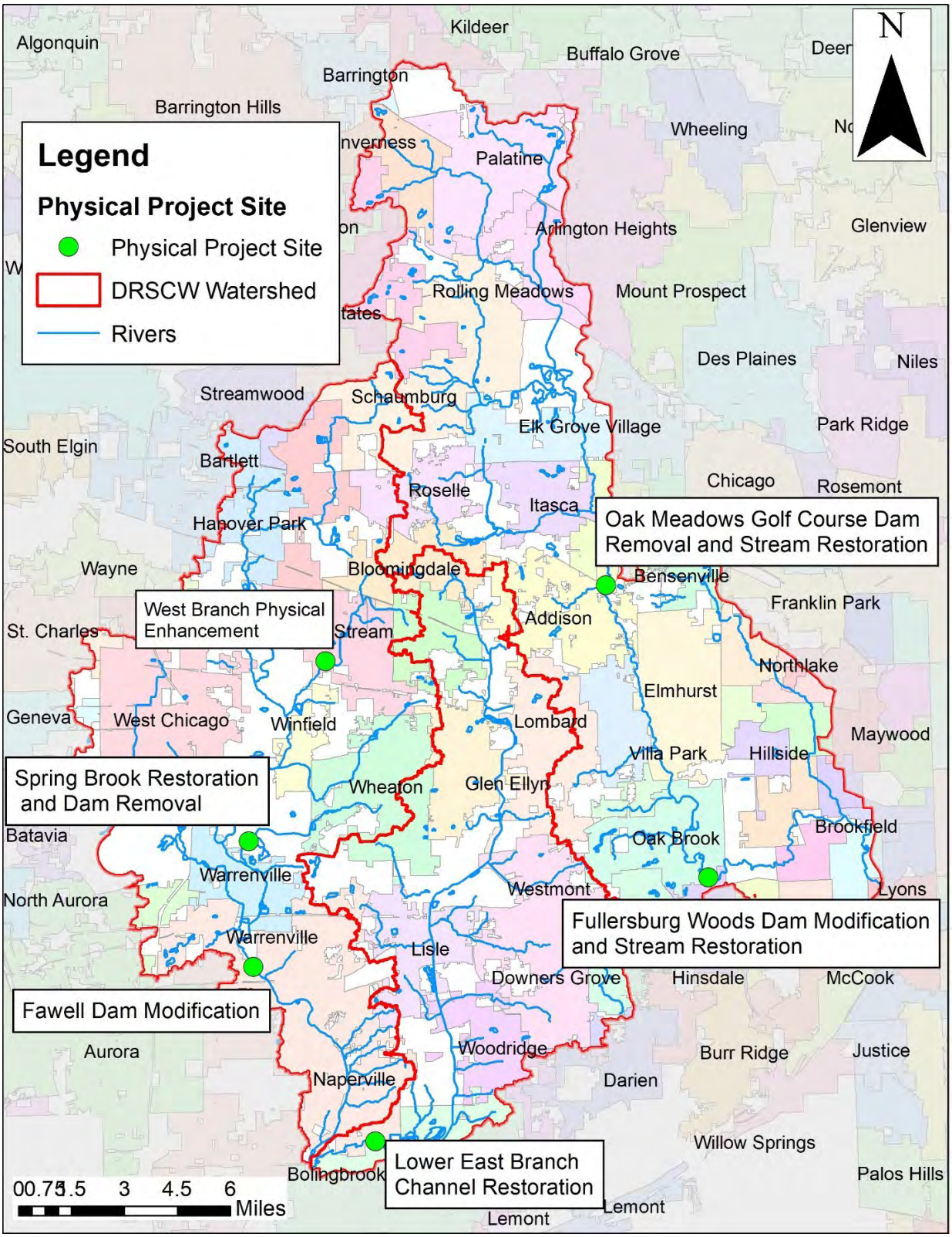
Project Name	Completion Date	Short-Term Objectives	Long-Term Objectives
Nonpoint Source (NPS) Phosphorus Feasibility Analysis	December 31, 2021 (Completed)	Assess NPS performance from reductions leaf litter and street sweeping	Reduce NPS contributions to lowest practical levels

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

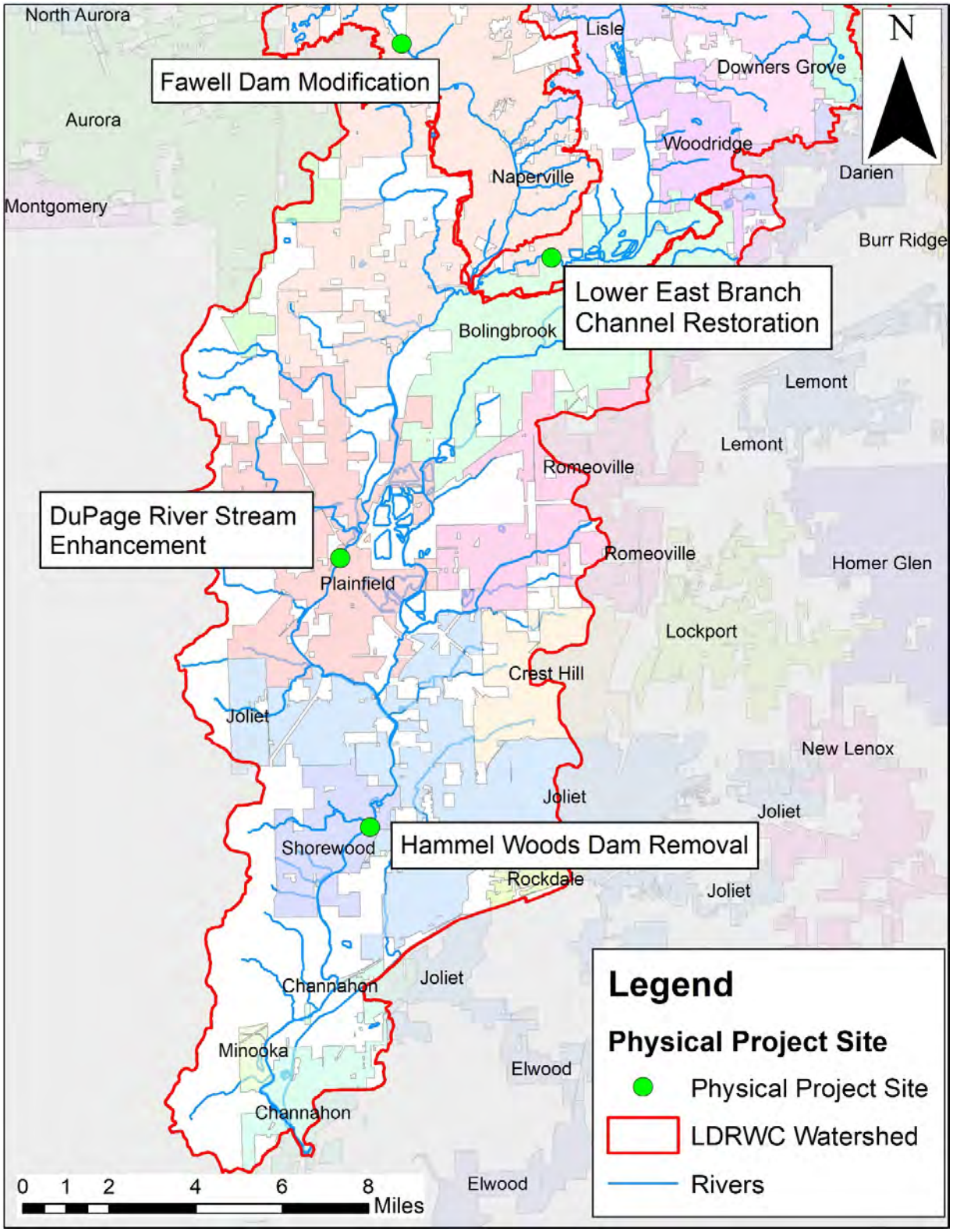
Table 5. Participation in the LDRWC NDPES Permit Special Conditions 2023-2024

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

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



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 2025-26 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 tentatively for the Summer of 2025.

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 2025. The Bioassessment program is the DRSCW's biological, chemical, and physical stream monitoring program. More information on the bioassessment programs can be found at https://drscw.org/activities/bioassessment/.

1.2 Fawell Dam Modification

- Special Conditions Listed Completion Date – December 31, 2025
- Status – In fabrication phase

The objective of the project is to allow fish passage for twelve (12) target species through the Fawell Dam. The DRSCW has been collaborating with DuPage County Stormwater Management (DC SWM) and the Forest Preserve District of DuPage County (FPDDC) on this project. DRSCW has budgeted $1,277,000 for design, construction and monitoring of this project.

1.2.1 Site Description

The 2017 Annual Report provided a site description.

1.2.2 Design Characteristics

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

1.2.3 Permitting Requirements

The listed permits below are required for the Fawell Dam Modification. Status as of March 15, 2025 is included.

- U.S. Army Corps of Engineers (US ACOE) Nationwide Permit (LRC-2024-169) – The application was submitted in March 2024 and the permit was received on September 25, 2024.
  - SHPO Review– SHPO have issued a signoff letter stating that the project does not rise to the level of an adverse impact on either the dam or the adjacent Preserve.
  - Illinois Historic Preservation Agency Section 106 Clearance – Not Applicable
  - U.S. Fish & Wildlife Service Section 7 Consultation – Completed in Summer 2021, No Effect Determination received January 16, 2024
  - KDSCWD – Signoff on the SESC plan by the KDSWCD is a requirement of the US ACOE Nationwide Permit. A permit application and fee covering the SESC review was submitted to the KDSWCD in mid-September 2024. Signoff on the SESC Plans from KDSWCD was received on October 9, 2024.

- Illinois Department of Natural Resources
  - EcoCat Request – Updated Signoff received January 16, 2024.
    - Major Modification of Existing Dam Permit Application submittal – Application pending submission (Based on past discussions and the revised design, this permit may be combined with the Floodway Construction Permit). Plans were submitted to IDNR in December 2024 but confirmation has been received that they view the project as a Dam Modification as opposed to a Floodway Construction project
    - Floodway Construction Permit – Separate Floodway Construction Permit not anticipated to be required based on IDNR feedback.
    - IEPA - As the project is under one acre of disturbance an IEPA ILR10 this item is not required

- DuPage County Stormwater Management Certification and Building Permit
  - DuPage County Stormwater Management Certification and Building Permit – The permit application was submitted in December 2024. The DC submittal will combine the components of the Corps submittal and IDNR-OWR dam modifications submittal. It also incorporated the memorandum of understanding (MOU) with DuPage County.

1.2.4 Design Progress Report

In November 2023 a memorandum of understanding (MOU) was signed by all parties; DRSCW, DC SWM and the FPDDC. The MOU sets out the responsibilities for each party at each stage, including construction, transport, installation, monitoring and maintenance. DC SWM owns the dam and the parcel it sits on. The FPDDC owns the property surrounding the dam parcel, including the area under the downstream riprap. The MOU covers:

- Financial Obligations
- 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 joints and anchors)
- Seasonal operation of the removable section where the ladder exits the upstream end of the culvert (winter removal and spring placement). This allows the ladder to be opened if the gate needs to be closed.
- Ad hoc operation of removable section
- Placement of winter debris screens
- Maintenance of instream elevation of the downstream riffle

A contract for oversight of fabrication of the system by the fabricator has been signed by the system designer (BK Riverfish). The first stage of fabrication is the generation of shop drawings showing detail on the materials gauge, weld types, angles and contact points. These drawings have been produced and are currently under review by the DRSCW Projects Committee.

Next Steps:

- Finalize IDNR permit.
- Finalize review and modifications of Shop Drawings.
- Authorize material purchase and start of fabrication.
- DC SWM will issue bid for ladder placement contract. Review needs for contract support with DC SWM. (Designer is contracted to work with DC SWM on installation but additional support may be required).
- Dry fitting of fabricated sections delivered onsite in coordination with DC SWM placement schedule.

- Installation supervised by County with assistance from BK Riverfish.
- Testing of fish passage through system.

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.

The project's budget includes design and purchase of a custom fish capture net for the upstream fish exit. This will allow direct monitoring of any fish that make their way through the system.

DRSCW has budgeted for downstream and upstream sampling and is working with the FPDDC to monitor stream corridor populations up and downstream of the dam post installation.

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

- Special Conditions Listed Completion Date – December 2019
- Status – Construction is complete. Post-project monitoring is on-going. Year 3 of post-project monitoring was completed in 2023 and Year 4 of post-project monitoring was completed in 2024. Year 5 of post-project monitoring is scheduled for 2025.

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

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

1.3.1 Site Description

The 2020 Annual Report provided a site description.

1.3.2 Design Characteristics

The 2020 Annual Report provided a detailed description of the Project's design.

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, Midwest Biodiversity Institute (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 project location. Pre- and post-project monitoring includes five (5) sites. Three (3) of the sites (WB10, WB10C, and WB10D) are located within the project footprint with the remaining two (2) sites (10A and 10B) being located downstream of the project. The downstream sites serve as control sites that share the same annual water quality and flow variation as the upstream (restored) sites. It should also be noted that the location of WB10 has moved between the pre- and post-project sampling. As part of the project, a new stream channel was constructed for the portion of Spring Brook situated downstream of the former location of the Arrow Road dam and the former channel was converted to wetlands. Since prior to 2020, WB10 was located on the original channel. As part of the post-project monitoring, WB10 was relocated to the newly constructed channel immediately upstream of the pedestrian bridge. Table 6 is a summary of pre- and post- project biological and habitat data collected at Spring Brook Phase 2 in 2018, 2021, 2022, 2023, and 2024. 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. A summary of the post-project monitoring results will be provided at the end of the 5-year post-project monitoring period and will be included in this section of the 2025 Annual Report for Spring Brook Phase 2.

Table 6. Pre- (2018) and Post- (2021, 2022, 2023, and 2024) Project Biological and Habitat Data collected at Spring Brook Phase 2

Site ID	River Mile	Drainage Area (sq mi.)	fIBI	mIBI	QHEI	Aquatic Life Use Attainment Status (AQLU)
Spring Brook 2024						
WB10D*	1.51	6.00	35	44.9	77.8	PARTIAL
WB10C*	1.12	6.30	30	37.4	38.5	Non - Fair
WB10*	0.71	6.80	33	39.0	78.5	Non - Fair
WB10B	0.30	6.90	34	36.6	56.5	Non - Fair
WB10A	0.10	7.00	37	47.9	66.5	PARTIAL
Spring Brook 2023						
WB10D*	1.51	6.00	29	38.2	75.0	Non-Fair
WB10C*	1.12	6.30	30	32.2	40.0	Non-Fair
WB10*	0.71	6.80	26	40.9	73.5	Non-Fair
WB10B	0.30	6.90	35	47.6	60.0	PARTIAL
WB10A	0.10	7.00	32	44.8	67.5	PARTIAL
Spring Brook 2022						
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
Spring Brook 2021						
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
Spring Brook 2018						
WB10D*	1.51	6.00	29	29.5	54.0	Non-Fair
WB10C*	1.12	6.30	18	29.1	34.0	Non-Poor
WB10*	0.71	6.80	25	42.8	69.5	PARTIAL
WB10B	0.30	6.90	11	51.6	51.7	Non-Poor
WB10A	0.10	7.00	15	56.0	56.0	Non-Poor
Category			**fIBI**	**mIBI**	**QHEI**	**AQLU Status**
Excellent			>50	>73	>84.5	FULL
Good			>41-49	41.8-72.9	>75.9	FULL
Fair			20-<41	20.9-41.7	<75.9	PARTIAL
Poor			<20	<20.9	<50.1	NON-Fair
Very Poor					<25.0	NON-Poor

*Sites are located within the project footprint.

Figure 1. Pre- (2018) and Post-(2021, 2022, 2023, and 2024) Project QHEI Scores at Spring Brook Phase 2

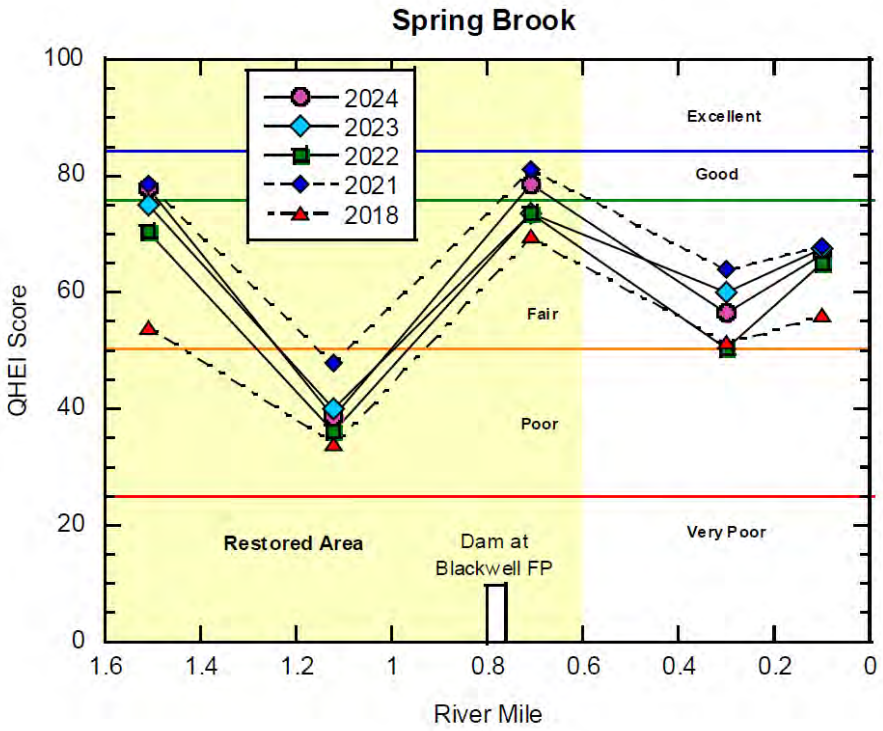


Figure 2. Pre- (2018) and Post-(2021, 2022, 2023, and 2024) Project mIBI Scores at Spring Brook Phase 2

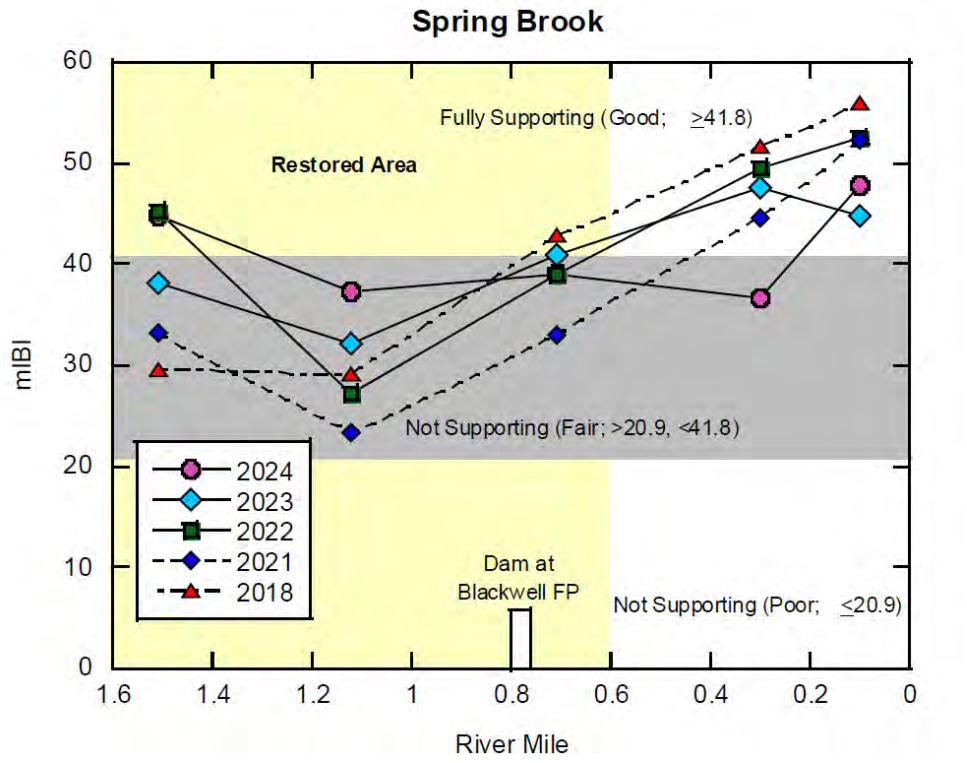
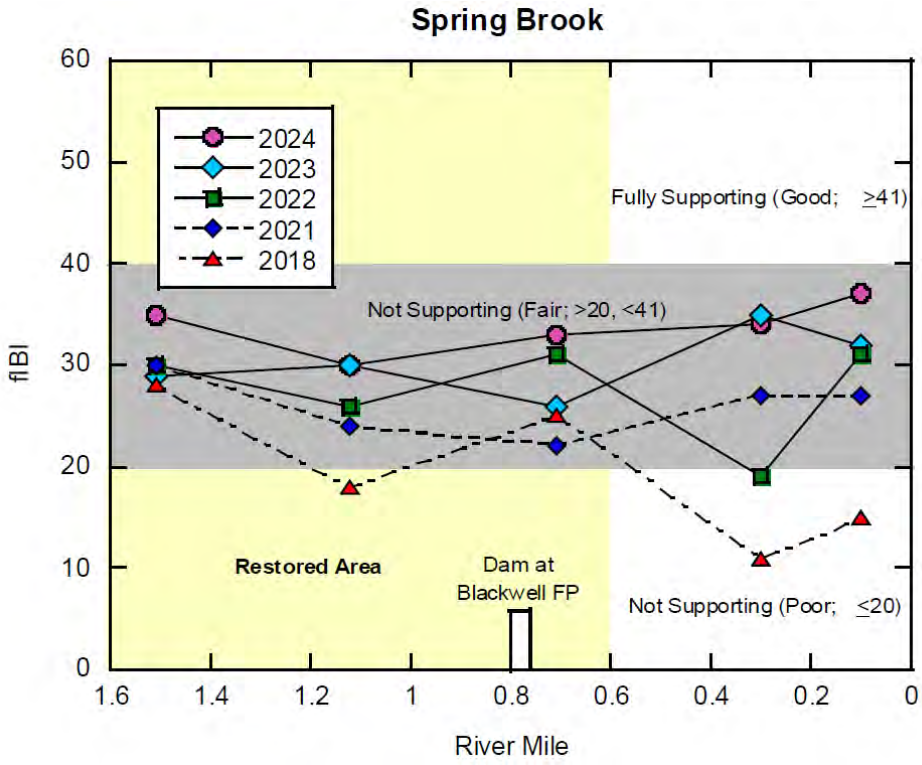


Figure 3. Pre- (2018) and Post-(2021, 2022, 2023, and 2024) Project fIBI Scores at Spring Brook Phase 2



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 and Salt Creek Phase II

- Special Conditions Listed Completion Date – December 31, 2024 (dam removal) and December 31, 2024 (stream restoration)
- Status – Outreach and Education Campaign is ongoing (started 2017). Master Planning process was completed in 2020. Final Design/Permitting/Preparation of Contract Bid Documents Construction is complete. Substantial Completion was met in December 2024. Monitoring and Management is ongoing.

The Fullersburg Woods Dam Modification and Stream Restoration Project and Salt Creek Phase 2 Project are located on the Salt Creek within the Fullersburg Woods Forest Preserve, Village of Oak Brook, DuPage County, Illinois. The Projects are collectively referred to as the Fullersburg Woods Dam Modification and Stream Restoration Project. The Project's objectives are to raise QHEI above its pre project average of 47.45, raise fIBI at the sites upstream of the dam above its pre project average score of 14.0, raise mIBI above its pre project average score of 25.5 for approximately 1.25 river miles and to improve dissolved oxygen (DO) in the impoundment, as compared to the 2007-2018 data set. The DRSCW has been collaborating with FPDDC and the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) on this project. DRSCW has budgeted $10,280,722 for design, construction and monitoring of this project.

1.5.1 Site Description

The 2018 Annual Report provided 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 were maintained at the Project's website at RestoreSaltCreek.org. As construction is complete, the RestoreSaltCreek.org website has been archived.

1.5.3 Design Characteristics

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

1.5.4 Permitting Requirements

The 2023 Annual Report provided details on the Permitting Requirements for the Project.

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.

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

The 2023 Annual Report describes all work conducted as part of the final design and contract bidding. 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 Project.

1.5.6 Project Implementation

Construction on the Master Plan for Salt Creek at Fullersburg Woods began in November 2023. The 2023 Annual Report detailed all construction activities conducted between November 2023 and February 2024.

As detailed in the 2023 Annual Report, demolition of the Fullersburg Woods (also known as the Graue Mill) dam began on November 30, 2023 and took approximately two weeks. A large, rock riffle was installed in the former location of the dam. Plate 1 to Plate 3 are photographs of the Fullersburg Woods dam prior to, during, and after demolition.

Plate 1. Fullersburg Woods Dam, with its impoundment drawn down, prior to demolition (Fall 2023)

Plate 2. Photograph of the demolition of the Fullersburg Wood Dam (Winter 2023)

Plate 3. Photograph of the rock riffle at the former location of the Fullersburg Woods Dam (Summer 2024)

Activities during the Summer of 2024 focused on the installation of the stream restoration practices along 1.25 miles of Salt Creek upstream of the former dam including riffles, pools, and bank stabilization. Eight (8) additional riffles were installed upstream of the riffle at the former dam location (Plate 3). Plate 4 to Plate 7 are representative photos of the riffles installed in Salt Creek as part of the Fullersburg Woods Dam Removal and Stream Restoration Project.

The original project design also included the excavation of a pool upstream of each of the constructed riffles. However, a site survey conducted after the dam was removed found the presence of existing, natural pools upstream of riffles 3, 4, and 8. Additionally, pools 2, 5, and 6 were eliminated from the design due to the channel configuration of Salt Creek post dam removal. Pool 2 and 5 were to be excavated in straight, slightly wide, slower moving sections of Salt Creek. However, due to concerns with the velocities in these sections not being able to maintain the pools, it was decided to not construction them. Pool 6 was to be located in the northern portion of the site adjacent to Willow Island. Construction of Pool 6 was omitted to allow a braided channel feature, revealed by lower water levels post dam removal, to be preserved. Plate 8 and Plate 9 are photographs of Pool 1 and 7 that were installed in Summer 2024.

Plate 4. Photograph of Riffle 2 in Salt Creek at Fullersburg Woods (Summer 2024)

Plate 5. Photograph of Riffle 3 in Salt Creek at Fullersburg Woods (Summer 2024)

Plate 6. Photograph of Riffle 5 in Salt Creek at Fullersburg Woods (Summer 2024)

Plate 7. Photograph of Riffle 7 in Salt Creek at Fullersburg Woods (Summer 2024)

Plate 8. Photograph of completed Pool 1 at Fullersburg Woods (Summer 2024)

Plate 9. Photograph of completed Pool 7 at Fullersburg Woods (Summer 2024)

Approximately 1,000 linear feet of bank stabilization was also installed in Summer 2024. Due to field conditions observed post dam removal, some of the planned locations of streambank stabilization were relocated to areas with more severe bank erosion. Areas where bank stabilization was installed will be planted with perennial plugs in Summer 2025. Plate 10 is a photograph of a section of streambank stabilization at Fullersburg Woods. Riffle 8 is also shown in the photograph.

Plate 10. Photograph of a section of streambank stabilization at Fullersburg Woods (Summer 2024)

In addition to the stream restoration practices, all of the amenities included in the Master Plan for Salt Creek at Fullersburg Woods were also installed in the Summer and Fall of 2024. These amenities were focused in two areas: near the Graue Mill and adjacent to the Nature Center. Amenities near the Graue Mill included an ADA-accessible trail, an overlook, a landscape feature (smaller overlook), a re-designed raceway with waterfall to provide a water source, and a motor to turn the water waterwheel. The pump system to provide water to the raceway and the motor on the waterwheel are considered mitigation measures under Section 106 as required by the US Army Corps of Engineers under the Section 404 permit issued for the Project. Plate 11 to Plate 15 depict the amenities installed near the Graue Mill as part of the Master Plan for Salt Creek at Fullersburg Woods.

Plate 11. Photograph of the ADA-accessible trail near the Graue Mill (Fall 2024).

Plate 12. Photograph of the overlook on the east bank of Salt Creek near the Graue Mill (Fall 2024)

Plate 13. Photograph of the landscape feature on the west bank of Salt Creek near the Graue Mill (Fall 2024)

Plate 14. Photograph of the cascade in the re-design Graue Mill raceway

Plate 15. Photograph of the gear and chains associated with the motor during installation on the Graue Mill waterwheel

Work conducted by the Fullersburg Woods Nature Center included rehabilitation and waterproofing of the existing floodwall. The existing floodplain wall was sandblasted and retrofitted with a geomembrane and fabric as a waterproofing measure. Cobble was also installed on the streamside of the wall. The wall was then painted and a new wooden cap installed. Plate 16 depicts the floodwall rehabilitation and waterproofing work.

Seeding of all disturbed areas associated with the Project was completed in November and December 2024. In total, 11.25 acres of wetland conversion, 23.6 acres of wetland enhancement, and 14.5 acres of upland buffer were seeded.

The Master Plan for Salt Creek at Fullersburg Woods met its substantial completion deadline in December 2024 and has moved into its monitoring and maintenance phase. Activities for the remainder of 2025 will focus on two areas: 1) Installation of plant plugs and 2) Monitoring and Management (M&M). 2025 will be Year 1 of the 5-year regulatory M&M as required by the Section 404 permit.

1.5.7 Project Impact Evaluation

The 2021 Annual Report details the pre-project sampling completed to date. As the Project was under construction during the 2024 sampling season, no post- project sampling was conducted for that year. Post-project sampling is scheduled to begin in the Summer of 2025.

Plate 16. Photograph of the floodwall waterproofing activities at Fullersburg Woods (Summer 2024)

1.6 West Branch Physical Enhancement – Klein Creek Section 1 Streambank Stabilization Project

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

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

1.6.1 Site Description

The 2021 Annual Report provides a site description.

1.6.2 Design Characteristics

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

1.6.3 Permitting Requirements

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

1.6.4 Project Implementation

The 2024 Annual Report included details on the construction of the Klein Creek Section 1 Streambank Stabilization Project. In summary, the project included the removal of streambank and channel grading along Klein Creek and the installation of streambank and instream practices including vegetated rock toe, toe wood with rock, habitat wood, habitat boulders, rock substrate areas, and stream barbs, as well as the installation of native vegetation and erosion control blanket for stabilization of the stream bed and protection of stormwater structures. All construction activities including seeding and planting were completed in 2023.

Activities in 2024 focused on the maintenance and monitoring (M&M) at the Klein Creek Section 1 Streambank Stabilization Project. The naturalized areas included in the M&M activities include 16.76 acres of upland prairie/economy prairie, 3.74 acres of open riparian area, 1.44 acres of sedge meadow, and 0.93 acres of shallow emergent area. Overall, the naturalized areas comprise approximately 22.87 acres on the project site. All M&M activities are conducted by ENCAP Incorporated (ENCAP).

The primary objective of the M&M program is to track the success of natural area development over the 3-year period of regularly scheduled monitoring sessions. The M&M program documents changes in the plant community composition between years and reveals the need for management changes to improve or maintain natural area quality. The results from the monitoring effort are used by the USACE and Village of Carol Stream to determine if the restoration efforts have been successful. Specific goals of the monitoring program are to determine the vitality of species planted, the diversity of species growing on-site relative to the planted mixture, the degree of coverage by native and non-native/invasive species, and to list any recommendations for remedial action. In particular, annual vegetative cover should increase to levels prescribed by the USACE and Village of Carol Stream. If this is not achieved, supplemental planting or other measures may be required to bring the site into compliance. A general goal of the monitoring effort is to reveal the potential for problems that may affect the growth and persistence of the plantings, and to provide recommendations for resolving or

reducing these problems.

The below list summarizes the M&M activities conducted during 2024 at the Klein Creek Section 1 Streambank Stabilization Project:

- **March:** Approved herbicide was used to treat Thistle, Teasel, Crown Vetch (*Securigera varia*), Burdock (*Arctium minus*), Garlic Mustard (*Alliaria petiolata*), Motherwort *Leonurus cardiaca*), and Bird's Foot Trefoil.
- **April:** Approved herbicide was used to treat Reed Canary Grass, Willow (*Salix* spp.), Honeysuckle (*Lonicera* spp.), and Buckthorn (*Rhamnus* spp.). Approximately 1 acre of upland prairie seed was overseeded in the bare areas near the fire station.
- **May:** Approved herbicide was used to treat Thistle, Teasel, Crown Vetch, Plantain (*Plantago* spp.), Brome (*Bromus* spp.), and Kentucky Bluegrass (*Poa pratensis*). Annual species were selectively mowed, including Ragweed, Wild Carrot, Sweet Clover, Foxtail, Mare's Tail, and any other invasive annuals.
- **June:** Tractor mowing of non-native/invasive annuals occurred to reduce their spread. Spring monitoring and data collection occurred at the end of the month.
- **August:** Beaver enclosures were installed around all trees. Tractor mowing of nonnative/invasive annuals occurred in early August. Approved herbicide was applied to Purple Loosestrife, Thistle, Teasel, Bird's Foot Trefoil, Crown Vetch, and woody resprouts.
- **September:** Cattails and Common Reed were hand-wicked with approved herbicide. Approved herbicide was used to treat Reed Canary Grass, Purple Loosestrife, Thistle, woody re-sprouts, and Bird's Foot Trefoil. Non-native/invasive annuals were selectively cut. Supplemental plugs (450 in total) were installed along the stream corridor. Fall monitoring and data collection occurred at the beginning of the month.
- **October:** Approved herbicide was used to treat Reed Canary Grass, Thistle, and woody re-sprouts.
- **November:** Emergent plug enclosures were removed. Approved herbicide was used to treat Teasel. A total of 20 native trees were planted as replacements for the dead trees counted in 2024. Beaver tree protection was installed around these trees.

Based on the results of the 2024 monitoring conducted by ENCAP, the Klein Creek Section 1 Streambank Stabilization Project has exceeded expectations for its second year. Planted species and native species from the seed soil bank are abundant and will continue to increase in coverage in 2025. The In-Stream Structures, Upland Restoration Zones and Wetland Restoration Zones have all met the designated second-year performance standards and are expected to exhibit continued progression in subsequent growing seasons. Continued selective management of non-native/invasive species performed in 2025 will increase vegetative coverage by approved native species and will keep the project on target to meet third-year/final performance standards. Vegetative management activities should include selective herbicide to non-native/invasive perennial species, selective weed-whacking to non-native

annual species, re-planting/overseeding as necessary, and prescribed burning/off-season mowing.

The list below includes the specific M&M activities proposed for 2025 at the Klein Creek Section 1 Streambank Stabilization Project:

- Continue selective herbicide applications to non-native/invasive, perennial species as necessary. Focus special attention to Reed Canary Grass, Thistle, Teasel, Clover, Cattails, Purple Loosestrife, Buckthorn, Honeysuckle, Bird's Foot Trefoil, Crown Vetch, Common Reed, and Garlic Mustard.
- Continue to selectively cut or mow larger patches of non-native/invasive, annual species before seed-set to prevent proliferation. Focus special attention to Foxtail, Ragweed, Sweet Clover, Barnyard Grass, and Wild Carrot.
- Continue to water and protect planted tree and shrub species as necessary. Monitor the survivorship of woody plantings. Replace any dead/missing trees/shrubs as necessary.
- Interseed/overseed any bare soil areas as necessary.
- Conduct a prescribed burn and/or mowing/mulching with thatch removal of the native areas in fall 2025. The mowing/mulching should be conducted in areas that are too close in proximity to houses, structures, power lines, etc.
- Monitor the in-stream structures for stabilization and movement. Monitor the streambanks for any rills or gullies and/or erosion/sedimentation issues. Conduct any repairs as necessary.
- Monitor plugs and seeded areas as necessary, allowing timely replacement to increase time for establishment.
- Conduct soil sampling with the semi-annual monitoring visits.

1.6.5 Project Impact Evaluation

The DRSCW, MBI, and the Village of Carol Stream developed a monitoring plan to assess the restoration work conducted by the Village of Carol Stream at the Klein Creek Streambank Stabilization Project. Biological and habitat data were collected in 2021 (pre-project) and 2024 (post-project) at two (2) sites within the proposed project limits: WB19B and WB19C. Sites WB19, 19A, and 19B were collected upstream of the proposed project limits and are located within the limits of a second project being designed and constructed by Carol Stream. Site WB16 is located outside the project limits of both the Klein Creek Section 1 Stream Bank Stabilization Project and Carol Stream's other project and was also sampled to serve as downstream control site that is typical of Klein Creek water quality. Table 7 is a summary of pre- and post- project biological and habitat data collected at Klein in 2021 and 2024. Figure 4 to Figure 6 depict the pre- and post-project QHEI (Figure 4); mIBI scores (Figure 5); and fIBI scores (Figure 6). A map of sampling locations is included in Map 4. A summary of the post-project monitoring results will be provided at the end of the 5-year post-project monitoring period and will be included in this section of the 2028 Annual Report for the Klein Creek Streambank Stabilization Project.

Table 7. Pre- (2020) and Post- (2024) Project Biological and Habitat Data collected at the Klein Creek Section 1 Streambank Stabilization Project

Site ID	Fish/Macro River Mile	Drainage Area (sq mi)	fIBI	mIBI	QHEI	Aquatic Life Use Attainment Status (AQLU)
Klein Creek 2024						
WB19	3.60/3.60	5.3	20	26.28	41.0	Non - Poor
WB19A	2.97/2.97	8.36	17	35.63	60.0	Non - Poor
WB19B*	2.57/2.57	8.59	19	37.66	56.0	Non - Poor
WB19C*	2.44/2.44	8.64	16	39.16	64.0	Non - Poor
WB16	1.00/1.00	10.43	22	47.23	79.8	Partial
Klein Creek 2021						
WB19	3.60/3.60	5.3	16	20.8	36.8	Non - Poor
WB19A	2.97/2.97	8.36	14	21	43.0	Non - Poor
WB19B*	2.57/2.57	8.59	17	14.2	41.5	Non - Poor
WB19C*	2.44/2.44	24.3	14.2	24.3	41.0	Non - Poor
WB16	1.00/1.00	33	19	33	76.0	Non - Poor
Category			**fIBI**	**mIBI**	**QHEI**	**AQLU Status**
Excellent			>50	>73	>84.5	FULL
Good			>41-49	41.8-72.9	>75.9	FULL
Fair			20-<41	20.9-41.7	<75.9	PARTIAL
Poor			<20	<20.9	<50.1	NON-Fair
Very Poor					<25.0	NON-Poor

*Sites are located within the project footprint.

Figure 4. Pre- (2021) and Post-(2024) Project QHEI Scores at the Klein Creek Section 1 Streambank Stabilization Project

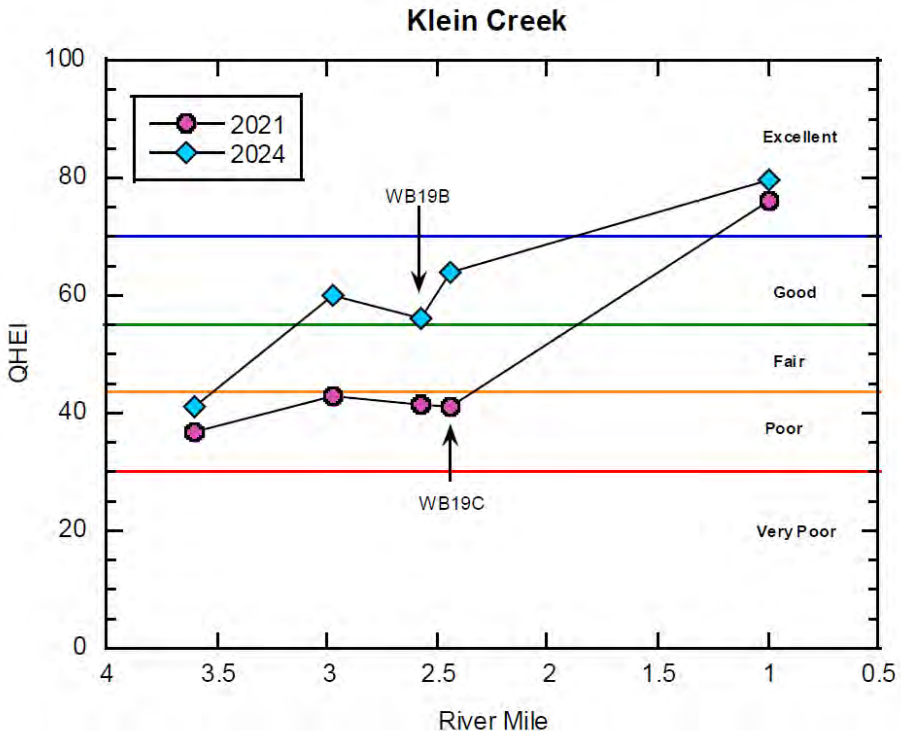


Figure 5. Pre- (2021) and Post-(2024) Project mIBI Scores at the Klein Creek Section 1 Streambank Stabilization Project

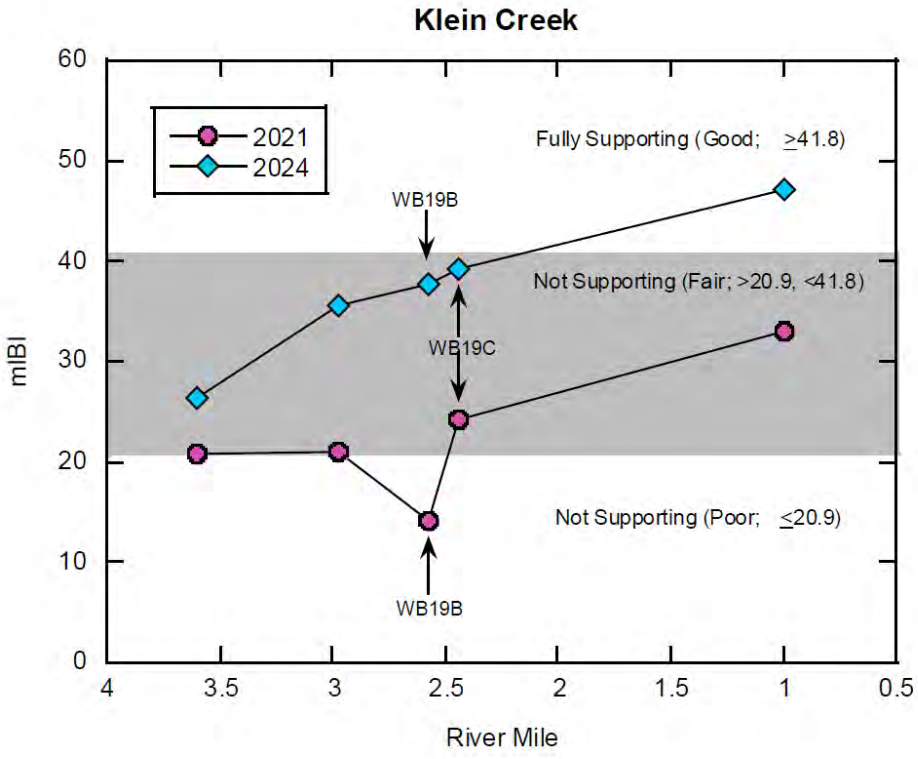
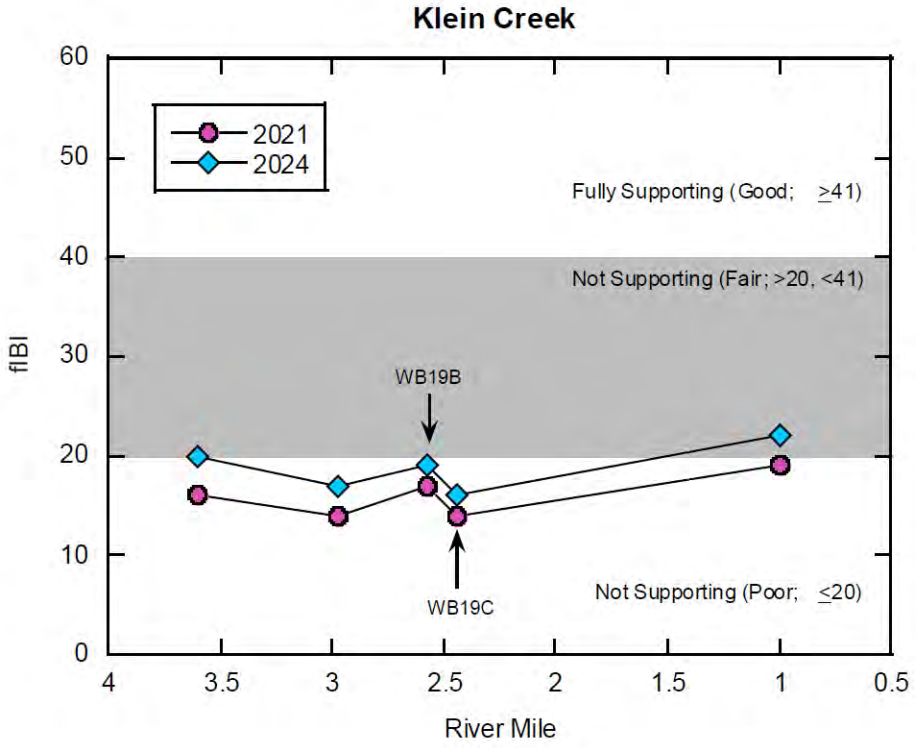


Figure 6. Pre- (2021) and Post-(2024) Project fIBI Scores at the Klein Creek Section 1 Streambank Stabilization Project



Map 4. Pre-and Post-Project Monitoring Sites at the Klein Creek Section 1 Streambank Stabilization Project

1.7 Southern East Branch Stream Enhancement and East Branch Phase II

- Special Conditions Listed Completion Date – December 31, 2027
- Status – Final Design/Construction is in progress and is scheduled for completion in 2025-2026.

The Southern East Branch Stream Enhancement and East Branch Phase II (referred to collectively as the Southern East Branch Stream Enhancement Project) are located on the East Branch DuPage River between its intersection with Royce Road and its intersection with Washington Street in the Village of Bolingbrook and City of Naperville, Will County, Illinois. The Projects' objectives are to raise QHEI above its current score of 65, raise fIBI above its current score of 29.0, and raise mIBI above its current score of 38 throughout the length of the project. The DRSCW will be collaborating with the Forest Preserve District of Will County (FPDWC), the Village of Bolingbrook and City of Naperville, and the Bolingbrook and Naperville Park Districts for this project (referred to collectively as the partners). The DRSCW has budgeted $4,485,000 for design, construction, and monitoring of this project.

1.7.1 Site Description

The 2021 Annual Report provided a site description.

1.7.2 Design Characteristics

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

1.7.3 Permitting Requirements

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

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

1.7.4 Design Progress Report

The 2021 Annual Report provides details on the "Lower East Branch River Stream Restoration Project, DuPage & Will Counties, IL Conceptual Design Report". In early 2022, the ACOE notified the DRSCW that reaches 2-4 of the Lower East Branch Stream Enhancement Project was eligible for funding under the Section 206 Aquatic Restoration Program for FY23-24. The project had been on hold until the federal funding is available to the DRSCW. The DRSCW plans

on proceeding with the final design and preparation of bid documents for the project during the 2025-2026reporting year.

1.7.5 Project Impact Evaluation

The DRSCW and MBI developed a monitoring plan to assess the pre- project conditions at the Southern East Branch Stream Enhancement Project. No pre-project biological and habitat data was collected in 2024. A summary of the pre-project monitoring data collected in 2021 and 2023, along with data collected during 2008, 2011, 2014, and 2019 bioassessments within the project footprint, was included in the 2023-24 DRSCW/LDRWC Annual Report.

1.8 Hammel Woods Dam Modification

- Special Conditions Listed Completion Date – December 31, 2022
- Status – Complete. The Hammel Woods dam was removed in Summer 2021 and the Project is complete. Post-project monitoring is on-going. Year 1 of post-project monitoring was completed in 2021, and Year 2 of post-project monitoring was completed in 2022. Year 3 of post-project monitoring is scheduled for 2026.

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 Will 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 MBI developed a monitoring plan to assess the removal of the Hammel Woods Dam. Fish and habitat pre- and post-project monitoring were completed at four (4) sites in 2019, 2021, and 2022 and is detailed in the 2022 Annual Report. No post-project sampling was conducted in 2023 or 2024. The next post-project sampling is scheduled to be conducted in conjunction with the Lower DuPage bioassessment schedule for the summer of 2026. The Bioassessment program is the LDRWC's biological, chemical, and physical stream monitoring program. More information on the bioassessment programs can be found at https://ldpwatersheds.org/about-us/lower-des-plaines-watershed-group/our-work/bioassessment-monitoring/.

1.9 DuPage River Stream Enhancement

- Special Conditions Listed Completion Date – December 31, 2025
- Status – Construction is on-going and substantial completion is expected to be met by March 31, 2025. Planting of perennial plants and trees is scheduled for Spring 2025; and Year 1 of Monitoring and Maintenance will be 2025.

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

1.9.1 Site Description

The 2021 Annual Report provided a site description.

1.9.2 Design Characteristics

Preliminary concept plans and associated hydraulic modeling are complete. Details on this effort were included in the 2023 Annual Report.

1.9.3 Permitting Requirements

The permits listed below are required for the DuPage River Stream Enhancement Project. All project permits have been received as listed below.

- US Army Corps of Engineers (US ACOE) (LRC-2023-0742)
  - Application approved on May 31, 2024
  - Authorized as NWP 13 (Bank Stabilization) and NWP 27 (Aquatic Habitat Restoration)
- Illinois Historic Preservation Agency Section 106 Clearance (SHP LOG #019020524)
  - Compliance letter provided on May 2, 2024
- U.S. Fish & Wildlife Service Section 7 Consultation –
  - Completed USFWS self-documenting Section 7 Consultation in 2022

    - Additional work and memo provided on July 25, 2023
- Illinois Department of Natural Resources (IDNR)
    - EcoCat Request – Signoff Received on May 31, 2022
    - Floodway Constriction Permit submitted on November 22, 2023 and approved on April 3, 2024
- Illinois Environmental Protection Agency (IEPA)
    - NPDES Permit for Construction (ILR10) – ILR10ZE4I
        - Review / approval letter on May 20, 2024
        - Notice of Intent – Will be submitted by contractor upon award
- Will County Stormwater Commission
    - Delegated to Village of Plainfield. The Village of Plainfield sent an email on May 10, 2024 saying that it is approved
- Village of Plainfield Building and Stormwater Permits
    - Application submitted on January 18, 2024 – Pending
    - The Village of Plainfield sent an email on May 10, 2024 saying that stormwater is approved
- Will-Cook Soil and Water Conservation District
    - Soil erosion and sediment control (SESC) – approved on July 11, 2024

1.9.4 Design Progress Report and Project Implementation

1.9.4.1 Design Progress Report

In late 2021, the LDRWC initiated a qualifications-based selection process to select a consultant to assist with the final design and preparation of contract bid documents for the Lower DuPage River Stream Restoration Project. In mid-January 2022, the LDRWC contracted 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 and was completed in 2024.

Task 1 – Site Survey

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

Task 2- Wetlands/Waters of the United States Assessment

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

Task 3 –Final Design Engineering

Task 3 includes the final design engineering of all project components, including but not limited to stream restoration practices and amenities as included in the Village of Plainfield's Riverfront Master Plan. Task 3 was completed in late 2023.

Task 4 – Hydraulic and Hydrologic Modeling

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

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

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

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

Task 4 was completed in 2024; details are provided in Section 1.9.3.

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. also provided Bid Assistance by addressing contractor questions during the public bid process. Task 6 was completed in 2024 and additional details on the bid process are included in Section 1.9.4.2.

Task 7 – Coordination Meetings

Task 7 includes six (6) meetings with Hey and Associates, Inc, LDRWC, and project stakeholders. These meetings included: 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 was completed in 2024.

1.9.4.2 Project Implementation

The Village of Plainfield led the bid process with the bid advertisement posted on May 21, 2024. A non-mandatory pre-bid meeting for contractors was held at the project site on May 28, 2024. Bids were opened on June 7, 2024. Four valid bids were received with RES Environmental Operating Company, LLC (RES) submitting the low bid of $1,246,261.81 for the project including the nine (9) alternatives. The Village of Plainfield Board awarded RES the contract for the construction of the project at their June 17, 2024, meeting.

On September 5, 2024, the LDRWC and the Village of Plainfield hosted an Open House to present the Lower DuPage Stream River Restoration Project to the public. The Open House was

held at the Plainfield Village Hall and approximately 30 residents attended. Presentations included project description and goals, information and illustrations or photographs of each of the major project components and a timeline of activity and construction expectations. Exhibit boards included a map and location of project components. Staff fielded several questions from residents. Overall, the project was very well received.

Site work began the week of October 21, 2024, with the tree clearing and the removal of invasive species by Homer Tree Service, a subconsultant to RES. Tree clearing activities were completed by mid-November 2024. Plate 17 is photograph of tree clearing activities on the east bank of the DuPage River during November 2024.

Plate 17. Photograph of tree clearing on east bank of the DuPage River at the DuPage River Stream Enhancement Project (Winter 2025)

During the week of November 18, 2024, RES mobilized on-site and installed soil erosion and sediment control (SESC) measures both within the DuPage River and around the project site. Earthwork operations including stripping and stockpiling topsoil and the removal of the failed retaining wall on the west bank of the DuPage River (Plate 18). Once the failed wall was removed, the banks were graded, and a boulder toe was installed (Plate 19). The disturbed area was then seeded with a native seed mix and protected with erosion control blanket (Plate 20). Approximately 850 linear feet of failed concrete retaining wall was removed and 1,000 linear feet of boulder toe was installed as part of the project.

Plate 18. Photograph of the removal of the failed retaining wall of the west bank of the DuPage River (Winter 2025)

Plate 19. Photograph of the boulder toe installed on the west bank of the DuPage River (Winter 2025)

Plate 20. Photograph of the completed boulder toe with seed and erosion control blanket on the west side of the Lower DuPage River (Winter 2025)

In addition to the bank stabilization work, the Lower DuPage Stream Enhancement Project included stream restoration practices including the installation of riffles, stream barbs, brush boxes, and other practices. During the week of December 9, 2024 RES installed the first of two riffles within the Lower DuPage River (Plate 21 and Plate 22). Riffle 2 is located downstream from Riffle 1 and was installed on December 18, 2024 (Plate 23).

Plate 21. Photograph of the installation of Riffle 1 in the Lower DuPage River (Winter 2025)

Plate 22. Photograph of the completed Riffle 1 in the Lower DuPage River looking north towards the Route 126 bridge (Winter 2025)

Plate 23. Photograph of Riffle 2 in the Lower DuPage River looking south (Winter 2025)

RES has also completed the installation of the instream structures including stream barbs, rootwads, brush boxes, and trunk barbs. A combination of harvested material recycled from other construction sites and new riprap stone was used to construct these in-stream features. These structures provide habitat and refuge areas for small fish, as well as concentrate flow toward the center of the DuPage River. The project includes eighteen (18) stream barbs, thirty-six (36) rootwads, eight (8) truck bars, and seven (7) brush boxes. Additionally, five (5) vegetative clusters will be added to instream features in Spring of 2025 when the perennial native plants are installed onsite. Plate 24 to Plate 28 depict the installation of the instream structures.

Plate 24. Photograph of a stream barb being installed on the west side of the Lower DuPage River (Winter 2025)

Plate 25. Photograph of a brush box being installed on the east side of the Lower DuPage River (Winter 2025)

Plate 26. Photograph of a completed brush box on the west side of the Lower DuPage River (Winter 2025)

Plate 27. Photographs of rootwads and stream barbs on the east side of the Lower DuPage River (Winter 2025)

Plate 28. Photograph of instream structures on the east side of the Lower DuPage River (Winter 2025)

Additionally, an engineered log jam was installed on the island located at the southern part of the project site. The log jam creates instream habitat for fish and macroinvertebrates, particularly for anglers looking to catch smallmouth bass. It is believed that the engineered log jam is the first to be installed in Illinois. Plate 29 depicts the log jam installed at the Lower DuPage River Stream Enhancement Project.

After finishing instream structures, RES began its work on improving the five (5) swales located on the west side of the Lower DuPage River. Each of the swales are being graded to improve stormwater conveyance, and a cascading water feature is being added. Work began in Swale 5 at the southern end of the project site and as each swale was completed, RES moved northward completed the swales. After the completion of swale 5, a minor design change was made to replace to the rip rap 3-6 inches (RR3) in the water feature with cobbles and boulders in order to improve the aesthetics of the swale and provide for a more naturalized stream appearance. In Spring 2025 each of the swales will be planted with perennial native plant plugs and six (6) native trees will be installed in Swale 5. Plate 30 to Plate 34 depict the work conducted in the swales at the Lower DuPage Stream Enhancement Project.

Plate 29. Photograph of the engineered log jam at the DuPage River Stream Enhancement Project (Winter 2025)

Plate 30. Photograph of grading activities in Swale 5 located in the southern portion of the DuPage River Stream Restoration Project (Winter 2025)

Plate 31. Photograph of the natural outcropping stone and RR3 water feature installed in Swale 5 at the DuPage Stream Restoration Project(Winter 2025)

Plate 32. Photograph of Swale 5 after being seeded and stabilized with erosion control blanket (Winter 2025)

Plate 33. Photograph of Swale 3 at the DuPage River Stream Enhancement Project (Winter 2025)

Plate 34. Photograph of Swale 1 at the DuPage River Stream Enhancement Project (Winter 2025)

The Lower DuPage River Stream Enhancement Project will meet substantial completion by March 31, 2025. Activities for the remainder of 2025 will focus on two areas 1) the installation of native plant plugs and trees and 2) maintenance and monitoring activities including weed control, mowing, burning, and other activities as needed. Maintenance and monitoring will continue for three years to ensure that the seeded and planted areas conform with performance criteria.

1.9.5 Project Impact Evaluation

The LDRWC and MBI developed a monitoring plan to assess the DuPage River Stream Enhancement Project. Macroinvertebrates, fish and habitat monitoring were completed at four (4) sites in 2022 as part of pre-project monitoring and is detailed in the 2022 Annual Report. No pre-project sampling was conducted in 2023 and 2024. Post-project sampling will begin 2026.

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 2024-2025.

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. During 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 from multiple agencies (Plate 35).

Plate 35. PowerPoint Slide from Sept. 17, 2024

During the Covid pandemic the workshops were held virtually. In 2024, based on feedback from some attendees, in-person workshops were again offered, alongside those in a webinar workshop format. The workgroup staff for the DRSCW, LDRWC, Lower Des Plaines Watershed Group (LDWG), and Chicago Area Waterways Chloride Workgroup (CAWCW) collaborated with staff from Lake County DOT and Health Dept. to coordinate the workshops.

Registration was made available to agencies over a wide area of northeastern Illinois resulting in staff attending from Champaign, Cook, DuPage, Fulton, Kane, Kendall, Lake, McHenry and Will Counties.

The 2024 in-person Public Roads Winter Best Practices Workshops were held on Sept. 17, Sept. 24, and Oct. 3, 2024. Public Roads webinars were held on Oct. 8, Oct. 15, and Nov. 19. Staff from The Conservation Foundation were engaged to present the material. A registration fee was required per person for the in-person workshops and per agency in order to view each webinar. The webinar 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. Evaluation surveys were also provided at the in-person workshops. The survey results indicated that a minimum of 870 persons attended the five 2024 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.

Plate 36. PowerPoint Slide from Sept. 26, 2024 Parking Lots & Sidewalks

The Parking Lots and Sidewalks Winter Best Practices Workshop webinars were held on Sept. 26 (Plate 36) and Nov. 13, 2023 and one in-person workshop was held on Oct. 1, 2024. The Workshops were presented by staff from The Conservation Foundation through the Salt Smart Collaborative. The survey results indicated that there was a minimum of 425 persons who attended the Workshops. Certificates of attendance were provided to those who requested them. The surveys provided an opportunity to provide an evaluation on the webinars. A link was sent to each registrant for the *Illinois Winter Maintenance Manual for Parking Lots and Sidewalks* developed by the Salt Smart Collaborative (developed in part by a Section 319 Grant issued by IEPA).

Illinois RiverWatch Chloride Watchers Program

Illinois RiverWatch is a statewide biological monitoring program that provides volunteers a hands-on opportunity to become stewards of our local waterways by monitoring stream habitat and water quality. Winter Chloride Watcher volunteers collect and test water samples from local waterways for chloride on a monthly basis between November and May.

The Conservation Foundation partnered with the Illinois RiverWatch Network (RiverWatch) to expand RiverWatch's Winter Chloride Watchers program in Northeast Illinois for the 2023-2024 winter season. Inclusive of both The Conservation Foundation and RiverWatch, 123 volunteers submitted 1,221 chloride results from 188 sites across 17 counties in IL. The waterways with the most samples taken were Salt Creek (9 sites, 96 samples) and the Fox River (9 sites, 60 samples).

LDRWC's Seasonal Educational Materials

During this reporting period, the LDRWC shared seasonal educational materials for members to use in residential outreach efforts (Plate 37). 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. 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. Many of these materials were translated into Spanish this year. Both websites advertise the Winter Best Practices Workshops.

Plate 37. Outreach graphic for social media platforms, 2024

2.2 Tracking BMP Adoption

2.2.1 Chloride Questionnaire

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

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

The questionnaires also help identify topics for future workshops and form suppositions about salt use per unit of service expended inside the program area relative to 2006 levels. Questionnaires were distributed in 2007, 2010, 2012, 2014, 2016, and 2018. They were sent to approximately 80 municipal highway operations and public works agencies. A new questionnaire was due to be distributed in 2022 but was not completed due to a need to rework elements of the questionnaire. It is now due to be issued in March/April 2025.

2.2.2 Ambient Impact Monitoring

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

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

- 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 was completed in 2024. Study results indicate that chloride concentrations have decreased over the study period in almost all DRSCW stream monitoring locations in both warm and cold weather conditions. The study suggests that the education and reduction efforts, the resulting community chloride application rate reductions, and enhanced community salt management best management practices (BMPs) have resulted in lower local chloride concentrations over the past decade. However, as Figures 7 through 10 show, weather is still the largest determinant of instream chloride concentrations.

When chlorides are present in elevated concentrations in rivers, they harm aquatic invertebrates, fish, and aquatic and terrestrial plants. High chloride concentrations in stormwater 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 effort rather than for 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.

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 2008-2024 for six (6) sites are depicted in Figure 7 to Figure 12. 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.

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 2024 are presented in Figure 13.

Figure 7. Calculated Chloride Concentrations - Winter Months (2009-2024) for Salt Creek at Busse Woods Main Dam. Data was not collected in 2021.

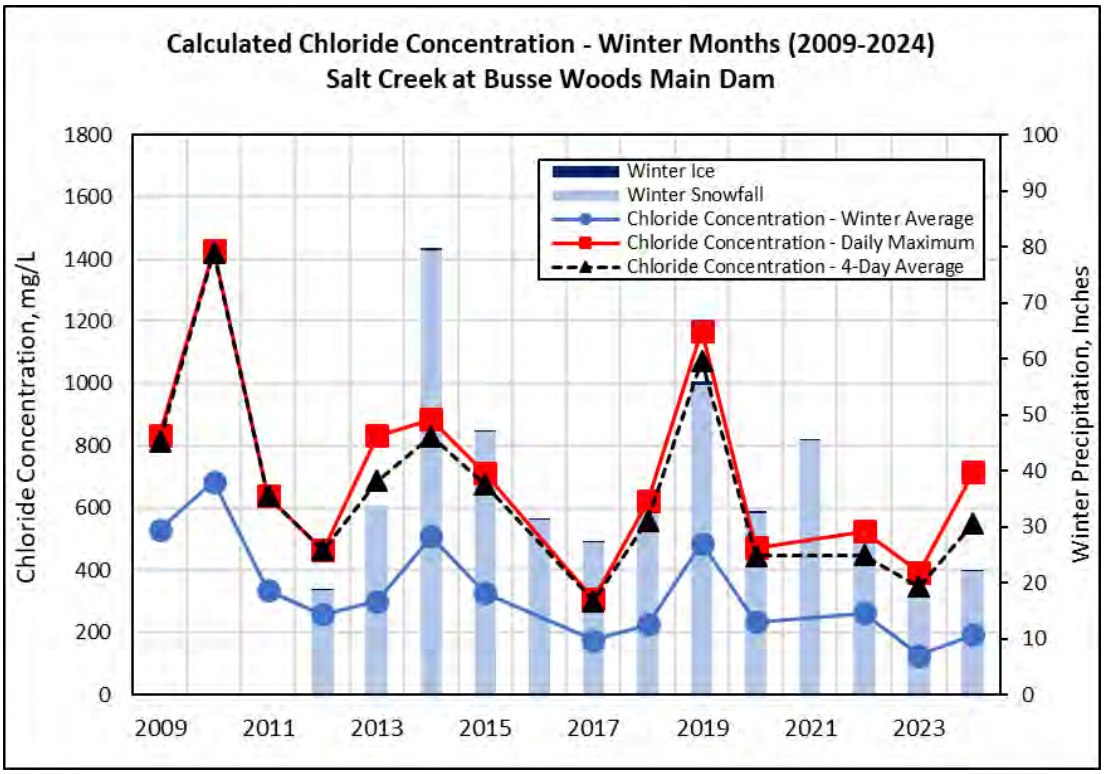


Figure 8. Calculated Chloride Concentrations - Winter Months (2008-2024) for Salt Creek at Wolf Road

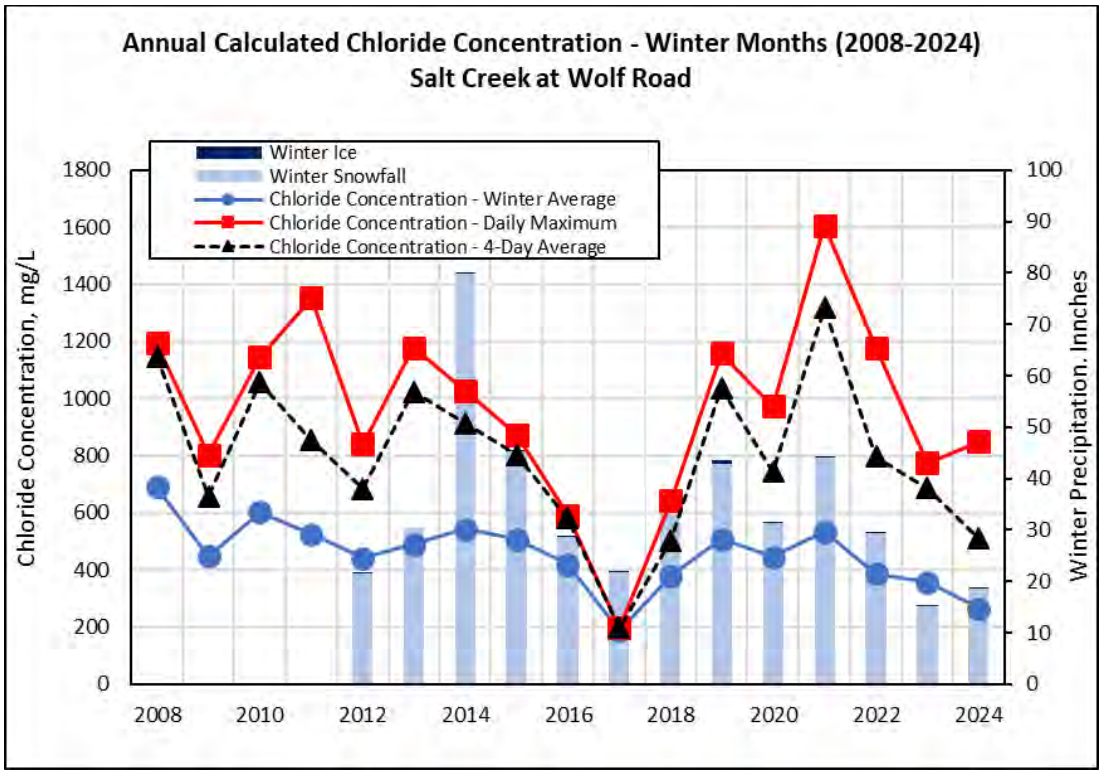


Figure 9. Calculated Chloride Concentrations - Winter Months (2008-2024) for the East Branch DuPage River at Army Trail Road

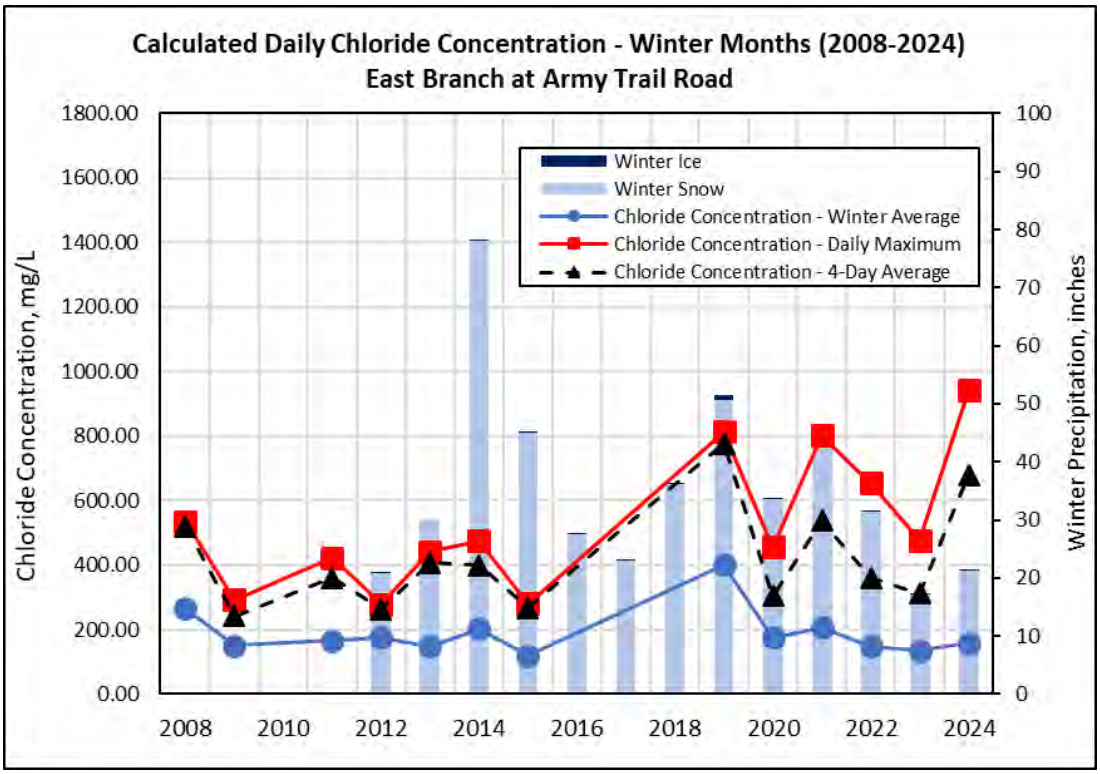


Figure 10. Calculated Chloride Concentrations - Winter Months (2008-2024) for the East Branch DuPage River at Hobson Road

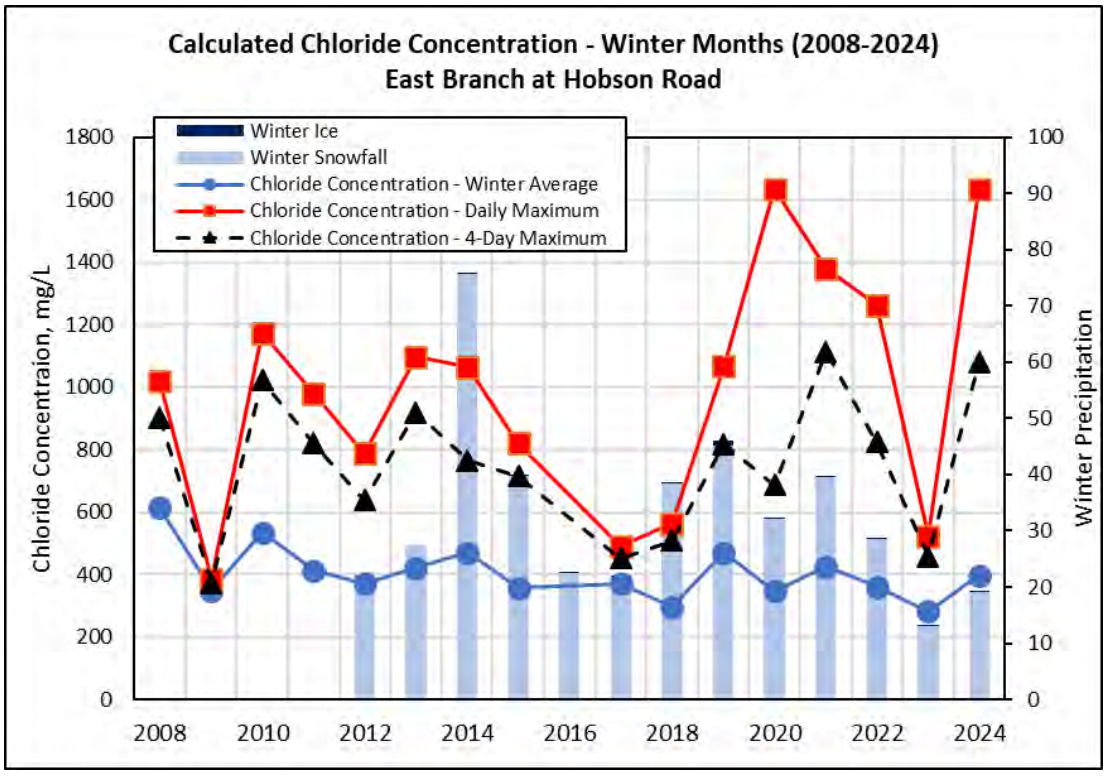


Figure 11. Calculated Chloride Concentrations - Winter Months (2008-2024) for the West Branch DuPage River at Arlington Drive

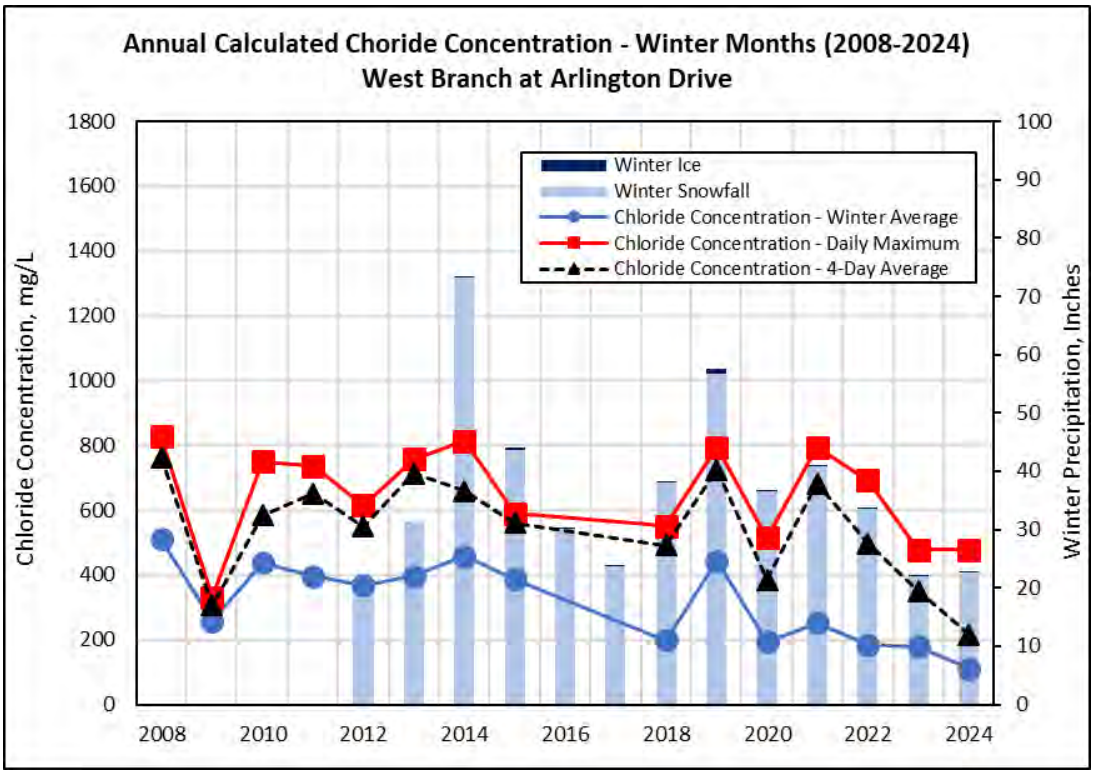


Figure 12. Calculated Chloride Concentrations - Winter Months (2019-2024) for the West Branch DuPage River at Bailey Road

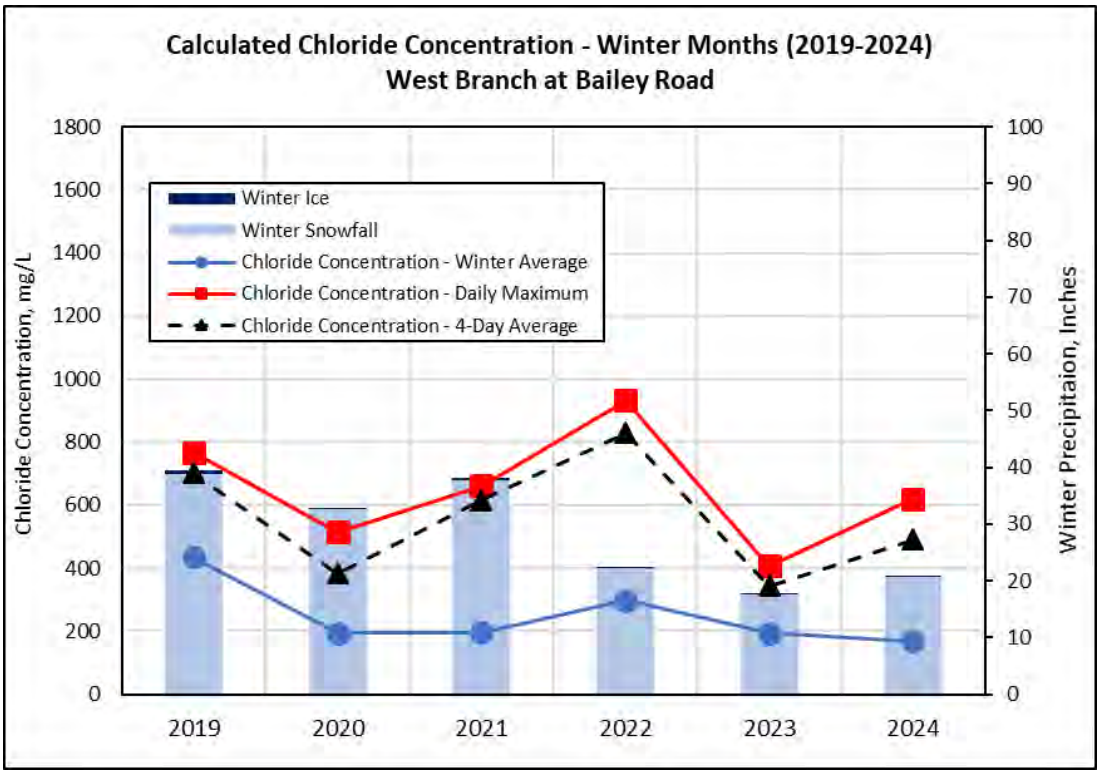
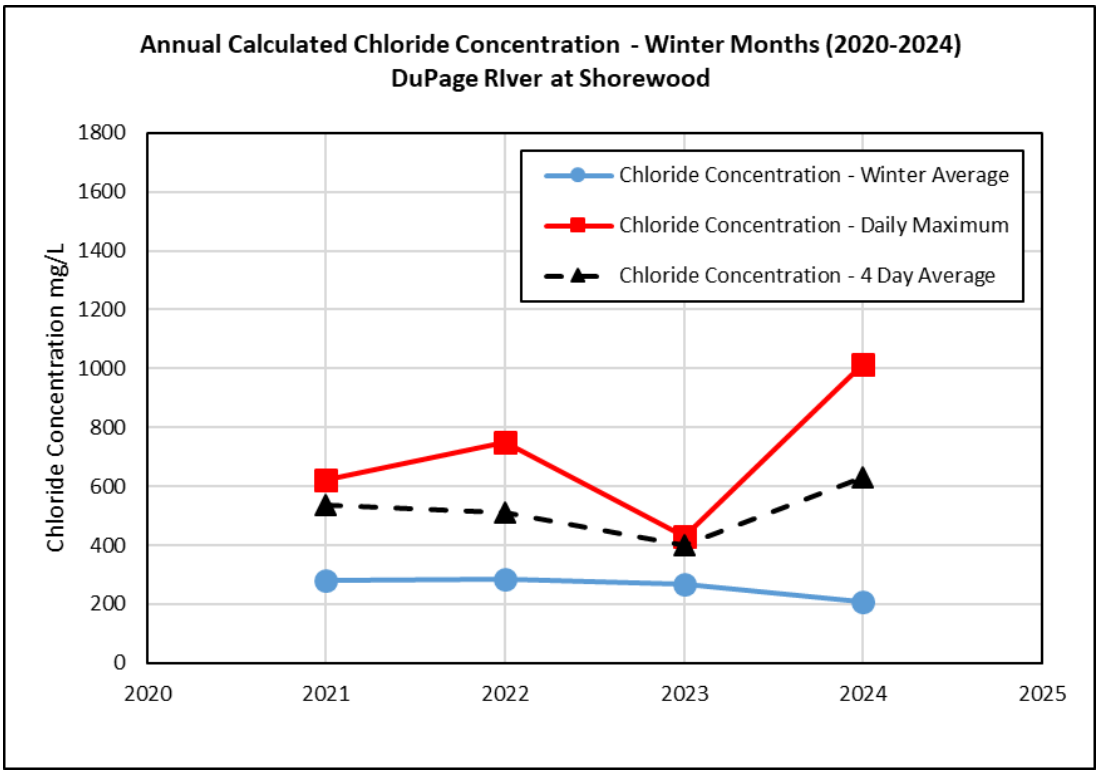


Figure 13. Calculated Chloride Concentrations - Winter Months (2020-2024) for the Lower DuPage River at Shorewood



2.2.3 Measuring Chloride Concentrations in Street Sweeping Debris

Can street sweeping reduce chloride loading to area waterways? Street sweeping is potentially one of the primary methods a municipality has to reduce non-point source pollution from transportation surfaces in its jurisdiction. In theory the removal of accumulated pollutants from roadways would prevent their transport into rivers and streams via storm sewers during storm events. Chloride is a pollutant of particular interest to the DRSCW as it accumulates in roadways during winter deicing events, and evidence shows it can linger well into the spring and summer. DRSCW conducted a pilot study to quantify chloride/salt capture by street sweeping practices and evaluate the feasibility of street sweeping as a practice for reducing in-stream chloride concentrations. Chlorides may be particularly addressable by street sweeping since winter deicing is applied directly to roads and sidewalks.

DRSCW partnered with three municipalities, Carol Stream, Itasca, and Wood Dale, to sample their street sweeping debris for chlorides. Samples were taken monthly in 2022-2024. (Wood Dale did not collect samples in 2023, their Public Works facility was undergoing a build out and samples were disposed of offsite.) The monthly sampling typically coincided with a complete sweeper pass of the entire city.

Debris piles were sampled in multiple places (7 jabs) to create a composite sample for that date. This was done in order to account for expected heterogeneity in the street sweeping debris. The composite samples were then analyzed for chloride concentration. Total mass of the debris collected by the sweeper was procured from LRS Waste Management Services who dispose of the street sweeping debris. The three sample municipalities were selected due to the fact that their contracts included generation of this total mass figure. With the mass data total and a chloride concentration figure, the mass of chloride collected could be estimated. Carol Stream, Itasca, and Wood Dale also provided Right-Of-Way information regarding the surface area of roadways swept. With that, pounds of road salt and chloride collected per mile of roadway swept could be estimated.

The concentrations of chloride in street sweeping debris varied widely. Median chloride concentration across all agencies and years was 260 mg Cl- per kg of street sweeping debris. (Average concentration was 543 mg/kg). Concentrations varied from as low as 25 mg/kg to as high as 8700 mg/kg. Duplicate samples were taken and tested; and results did not match the sample concentration, suggesting that the composite process was not accounting for the in-pile variation in concentrations. Based on the sampled chloride concentrations measured and the reported total mass of street sweeping, the three agencies collect a median mass of 237 lbs. of road salt per year (average annual mass of 294 lbs.) Using the Right-Of-Way information provided by the agencies and extrapolated across all roadways in the DRSCW Watershed, it is estimated that all agencies would be capturing 1440 lbs. of road salt annually in the DRSCW Watersheds.

Measuring recovered salt in the order of thousands of pounds pales in comparison to application rates that are measured in thousands of tons. However, nearly all agencies drastically reduce street sweeping frequency in the winter, and modifications to current programs may provide a large increase in effectiveness. Also, recovering winter chlorides before they can dissolve into spring flows may have an outsized impact on fragile spring lifecycles of aquatic macroinvertebrates. DRSCW has ceased collection of data to analyze the initial results and present them to the Board and membership in order to determine if preliminary data warrants expansion of this study.

Chapter 3 Nutrient Implementation Plan

The Special Condition's Paragraph 10 requires NPDES holders in the DRSCW and LDRWC to develop a Nutrient Implementation Plan (NIP) for the watershed that identifies phosphorus input reductions by point source discharges, non-point source discharges, and other measures necessary to remove DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 IL Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 IL Adm. Code 302.203. Special Conditions Paragraph 2 and Special Conditions Paragraph 8.c. identify additional studies to be completed by the watershed workgroups. The NIP was submitted to the Illinois Environmental Protection Agency (IEPA) on December 28, 2023 and a can be found at https://drscw.org/activities/project-identification-and-prioritization-system/ and https://ldpwatersheds.org/about-us/lower-dupage-river-watershed-coalition/our-work/narp/

3.1 NIP Summary and Next Steps

The NIP submitted to the IEPA by the DRCSW and the LDRWC on December 28, 2023 identified an instream watershed threshold concentration for TP that is protective of aquatic life. A relationship between TP concentrations and fish species and macroinvertebrate taxa and their indices of biotic integrity was established by a multivariate analysis published in 2023 by the watershed groups. The analysis, which drew on paired biological, chemical, and physical data from 640 sites in Northeast Illinois, found fish species and the Fish Index of Biotic Integrity (fIBI) were more sensitive to TP concentration variation than the macroinvertebrate taxa and the Macroinvertebrate Index of Biotic Integrity (mIBI). The 75th percentile of sites in the fIBI range of 41 and 49 (meeting and exceeding the General Use standard for aquatic life) was found to correspond to a TP concentration of 0.277 milligrams per liter (mg/L).

Modeling was conducted using the QUAL2Kw platform to identify potential management scenarios that would decrease ambient instream TP concentrations below the identified TP watershed threshold. Ultimately, the suite of scenarios modeled demonstrated that an effluent TP permit limit of 0.35 mg/L (for an effective effluent concentration of 0.28 mg/L) for wastewater treatment plants (WWTPs) along Salt Creek and the West and East Branches of the DuPage River and an effluent TP permit limit of 0.5 mg/L (for an effective effluent concentration of 0.4 mg/L) for WWTPs along the Lower DuPage River would be sufficient to achieve the local threshold value satisfactorily. The NIP recommended that the following effluent limits be adopted:

- WWTPs discharging to Salt Creek and the East and West Branches of the DuPage River adopt an effluent limit of 0.35 mg/L TP (leading to an effective mean effluent concentration of 0.28 mg/L, assuming a 20% margin of safety) seasonal geometric mean

for warm weather months (May–October) as part of an annual 0.50 mg/L TP geometric mean;

- WWTPs discharging to the mainstem of the Lower DuPage River adopt an effluent limit of 0.50 mg/L TP (leading to an effective mean effluent concentration of 0.4 mg/L, assuming a 20% margin of safety) for warm weather months as an annual geometric mean, rolling 12-month basis; and
- The Crest Hill STP, which discharges to a tributary on the Lower DuPage River, adopt the 0.35 mg/L TP limit.

Additionally, as the modeled reductions of effluent TP concentrations did not show meaningful improvements in predicted minimum and mean DO concentrations due in part to localized persistence of low gradients or flow restrictions which also factor into existing DO impairments, the NIP also recommends that targeted physical projects focused on eliminating DO sags and improving instream habitat continue to be implemented in the DuPage River and Salt Creek watersheds.

A schedule for the implementation of TP removal at each of WWTPs is included in the NIP. A schedule of special assessments to fund the physical projects is also included in the NIP.

Throughout 2024, the DRSCW and LDRWC continued discussions with the IEPA and environmental advocacy groups (EAGs), including the Sierra Club and the Mississippi River Collaborative, on integrating the NIP recommendation into member WWTP's NPDES permits.

On April 10, 2024, DRSCW/LDRWC staff and a representative of the DRSCW Executive Board met with Board members of the River Prairie Group of the Sierra Club to discuss the DRSCW/LDRWC NIP proposal. Staff provided an overview of the proposal and answered their questions. Additionally on April 30, 2024, DRSCW/LDRWC staff meet with the Clean Water Team of the Illinois Sierra Club to present the recommendation and schedule included in the NIP proposal. Following these presentations, calls on July 18, 2024 and August 16, 2024 were held with representatives from EAGs to further discuss the DRSCW/LDWRC proposal. Emails and phones calls were also exchanged between the DSRCW/LDRWC staff and EAGs to further the discussions.

On August 16, 2024, representatives of the Sierra Club and the Environmental Law and Policy Center (ELPC) submitted Informal comments on nutrient assessment and reductions plans (NARPs) to the Illinois Environmental Protection Agency (IEPA) (Attachment 3). The Sierra Club/ELPC letter raised concerns as to various nutrient plans that have been submitted to IEPA by watershed groups. The DRSCW/LDWRC prepared and submitted a response letter to this comment letter on November 6, 2024 (Attachment 4). An electronic response to the DRSCW/LDRWC comments was received from the EAGs in mid-December 2024 and the DRSCW/LDRWC response was provided verbally during a call in late December 2024.

In early February 2025, the DRSCW/LDRWC received draft permit language that incorporated the NIP recommendations into the Special Conditions for the Wood Dale North, Elmhurst and Naperville WWTPs from the IEPA. This language is currently under review by DRSCW/LDRWC Special Condition Permit Holders. Additional discussions with the IEPA, US EPA, and the EAGs regarding the permit language are ongoing. It is the goal of the DRSCW and the LDRWC to have the NIP recommendation included in member NPDES permits by the end of second quarter 2025.

Attachment 1

DRSCW Special Condition

SPECIAL CONDITION 17. DuPage River/Salt Creek Special Requirements

A. The Permittee shall participate in the DuPage River Salt Creek Workgroup (DRSCW). The Permittee shall work with other watershed members of the DRSCW to determine the most cost-effective means to remove dissolved oxygen (DO) and offensive condition impairments in the DRSCW watersheds.

B. The Permittee shall ensure that the following projects and activities set out in the Revised DRSCW Implementation Plan (June, 2021), are completed (either by the permittee or through the DRSCW) by the scheduled dates set forth below; and that the short term objectives are achieved for each by the time frames identified below:

Project Name	**Completion Date**	**Short Term Objectives**	**Long Term Objectives**
Oak Meadows Golf Course dam removal	December 31, 2016 (Completed)	Improve DO	Improve fish passage
Oak Meadows Golf Course stream restoration	December 31, 2017 (Completed)	Improve aquatic habitat (QHEI), reduce Inputs of nutrients and sediment	Raise miBI
Fawell dam Modification	December 31, 2024	Modify dam to allow fish passage	Raise fiBi upstream of structure
Spring Brook Restoration and dam removal	December 31, 2020 (Completed)	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and flBi
Fullersburg Woods Dam modification concept plan development	December 31, 2016 {Completed)	Identify conceptual plan for dam modification and stream restoration	Build consensus among plan stakeholders
Fullersburg Woods Dam modification	December 31, 2024	Improve DO, improve aquatic habitat (QHEI)	Raise miBi and fiBi
Fullersburg Woods area stream restoration	December 31, 2024	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi
West Branch Physical Enhancement (Klein Creek)	December 31, 2023 {Completed)	Improve aquatic habitat (QHEI)	Raise miBi andfiBi
Southern East Branch Stream Enhancement	December 31, 2024	Improve aquatic habitat (QHEl), reduce inputs of nutrients and sediment	Raise miBi andfiBi
QUAL 2w West Branch, East Branch and Salt Creek	December 31, 2023	Collect new baseline data and update model	Quantify improvements in watershed. Prioritize DO Improvement projects for years beyond 2024.
NPS Phosphorus Feasibillty Analysis	December 31, 2021 (Complete)	Assess NPS performance from reductions leaf litter and street sweeping	Reduce NPS contributions to lowest practical levels
East Branch Phase II	December 31, 2028	Improve aquatic habitat (QHEI), reduce Inputs of nutrients and sediment	Raise miBi andFiBi
Lower Salt Creek Phase 2	December 31, 2028	Improve aquatic habitat (QHEI), Remove fish barrier, reduce inputs of nutrients and sediment	Raise miBi and fiBi
West Branch Restoration Project	December 31, 2028	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi

C. The Permittee shall participate in implementation of a watershed Chloride Reduction Program, either directly or through the DRSCW. The program shall work to decrease DRSCW watershed public agency chloride application rates used for winter road safety, with the objective of decreasing watershed chloride loading. An annual report on the annual implementation of the program identify ing the practices deployed, chloride application rates, estimated reductions achieved, analyses of watershed chloride loads, precipitation, air temperature conditions and relative performance compared to a baseline condition shall be submitted electronically to EPA.PrmtSpecCondtns@illinois.gov with "IL0028380 Special Condition 17.C" as the subject of the email and posted to the DRSCW's website by March 31 of each year. The annual report shall reflect the Chloride Abatement Program performance for the preceding year (example: 2019-20 winter season report shall be submitted no later than March 31, 2021). The Permittee may work cooperatively with the DRSCW to prepare a single annual progress report that is common among DRSCW permittees and may be submitted as part of a combined annual report with paragraph D below.

D. The Permittee shall submit an annual progress report on the projects listed in the table of paragraph B above. The report shall be submitted electronically to EPA.PrmtSpecCondtns@illinois.gov with "IL0028380 Special Condition 17.D" as the subject of the email and posted to the DRSCW's website by March 31 of each year. The report shall include project implementation progress. The Permittee may work cooperatively with the DRSCW to prepare a single annual progress report that is common among DRSCW permittees.

E. The Permittee shall maintain and implement any recommendations from its Phosphorus Discharge Optimization Plan in accordance with the schedule set forth in the Plan. Annual progress reports on the optimization of the existing treatment facilities shall be submitted electronically to EPA.PrmtSpecCondtns@illinois.gov with "IL0028380 Special Condition 17.E" as the subject of the email and posted to the permittees website by March 31 of each year. If the permittee's plan does not already include a schedule, the permittee shall include a schedule for the implementation of any optimization measures recommended by the plan in the permittee's annual progress report due the March 31 one year after the permit becomes effective. As part of the plan, the Permittee shall continue to evaluate a range of measures for reducing phosphorus discharges from the treatment plant, including possible source reduction measures, operational improvements, and minor facility modifications that will optimize reductions in phosphorus discharges from the wastewater treatment facility. The Permittee's evaluation shall include, but not be limited to, an evaluation of the following optimization measures:

1. WWTF influent reduction measures.
   a. Evaluate the phosphorus reduction potential of users.
   b. Determine which sources have the greatest opportunity for reducing phosphorus (i.e., industrial, commercial, institutional, municipal and others).
      i. Determine whether known sources (i.e., restaurant and food preparation) can adopt phosphorus minimization and water conservation plans.
      ii. Evaluate implementation of local limits on influent sources of excessive phosphorus.

2. WWTF effluent reduction measures.
   a. Reduce phosphorus discharges by optimizing existing treatment processes without causing non-compliance with permit effluent limitations or adversely impacting stream health.
      i. Adjust the solids retention time for biological phosphorus removal.
      ii. Adjust aeration rates to reduce dissolved oxygen and promote biological phosphorus removal.
      iii. Change aeration settings in plug flow basins by turning off air or mixers at the inlet side of the basin system.
      iv. Minimize impact on recycle streams by improving aeration within holding tanks.
      v. Adjust flow through existing basins to enhance biological nutrient removal.
      vi. Increase volatile fatty acids for biological phosphorus removal.

F. Total phosphorus in the effluent shall be limited as follows:

1. If the Permittee will use chemical precipitation to achieve the limit, the effluent limitation shall be 1.0 mg/L on a monthly average basis, effective XXXX, or in accordance with the implementation schedule included in the Nutrient Implementation Plan unless the Agency approves and reissues or modifies the permit to include an alternate phosphorus reduction program or limit pursuant to paragraphs F.3 thru F.8 below.

2. If the Permittee will primarily use biological phosphorus removal to achieve the limit, the effluent limitation shall be 1.0 mg/L monthly average to be effective XXXX, or in accordance with the implementation schedule included in the Nutrient Implementation Plan unless the Agency approves and reissues or modifies the permit to include an alternate phosphorus reduction program or limit pursuant to paragraphs F.3 thru F.8 below.

3. The Permittee demonstrates that the Limit is not technologically feasible; or

4. The Permittee demonstrates the Limit would result in substantial and widespread economic or social impact. Substantial and widespread economic impacts must be demonstrated using applicable USEPA guidance, including but not limited to any of the following documents: 1. Interim Economic Guidance for Water Quality Standards, March 1995, EPA-823-95-002; 2. Combined Sewer Overflows – Guidance for Financial Capability Assessment and Schedule Development, February 1997, EPA-832—97-004; 3. Financial Capability Assessment Framework for Municipal Clean Water Act Requirements, November 24, 2014; or

5. If the Nutrient Implementation Plan determines that a greater phosphorus reduction is necessary, then the Permittee shall meet the phosphorus limit identified in the Nutrient Implementation Plan in accordance with the schedule set out therein, prioritized

among all watershed needs; or

6. If the DRSCW has developed and implemented a trading program for POTWs in the DRSCW watersheds, providing for reallocation of allowed phosphorus loadings between two or more POTWs in the DRSCW and Lower DuPage Watershed Coalition watersheds, that delivers the same results of overall watershed phosphorus point-source reduction and loading anticipated from the uniform application of the applicable 1.0 mg/L monthly average effluent limitation, or other allocation identified in the Nutrient Implementation Plan, whichever is more stringent, among the POTW permits in the DRSCW watersheds and removes DO and offensive condition impairments and meets the applicable dissolved oxygen criteria in 35 Ill. Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 Ill. Adm. Code 302.203.; or

7. If the DRSCW has demonstrated and implemented an alternate means of reducing watershed phosphorus loading to a comparable result that removes DO and offensive condition impairments and meets the applicable dissolved oxygen criteria in 35 Ill. Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 Ill. Adm. Code 302.203.; or

8. If the Limit is demonstrated not to be technologically (e.g., no space available) or economically feasible, which shall be determined by an economic feasibility analysis by the date herein stipulated, but is feasible within a long timeline, then the permit shall include a compliance schedule requiring the discharger to comply with the phosphorus effluent limit as soon as possible, consistent with 40 C.F.R. § 122.47 (1), made applicable to Illinois at 40 C.F.R. § 123.25 (a)(18).

G. The Permittee shall monitor the wastewater effluent, consistent with the monitoring requirements on Page 2 of this permit, for total phosphorus, dissolved phosphorus, nitrate/nitrite, total Kjeldahl nitrogen (TKN), ammonia, total nitrogen (calculated), alkalinity and temperature at least once a month. The Permittee shall monitor the wastewater influent for total phosphorus and total nitrogen at least once a month. The results shall be submitted on electronic DMRs (NetDMRs) to the Agency unless otherwise specified by the Agency.

H. The Permittee shall submit electronically to EPA.PrmtSpecCondtns@illinois.gov with “IL0028380 Special Condition 17.H” as the subject of the email and post to the DRSCWs website by December 31, 2023 a Nutrient Implementation Plan (NIP) for the DRSCW watersheds that identifies phosphorus input reductions by point source discharges, non-point source discharges and other measures necessary to remove DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 Ill. Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 Ill. Adm. Code 302.203. The NIP shall also include a schedule for implementation of the phosphorus input reductions and other measures. The Permittee may work cooperatively with the DRSCW to prepare a single NIP that is common among DRSCW permittees. Progress reports shall be submitted every year until completion and submission of the NIP. The DRSCW may prepare a single progress report for all DRSCW permittees and may be submitted as part of a combined annual report with paragraph D above. The Agency will renew or modify the NPDES permit as necessary to incorporate NIP requirements.

Attachment 2

LDRWC Special Condition

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.

Project Name	**Completion Date**	**Short Term Objectives**	**Long Term Objectives**
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 119th 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.

Attachment 3

EAG Comments on NARP

Submitted to IEPA (08/16/2024)

To: Joey Logan-Pugh, Darin LeCrone, Brant Fleming
From: Albert Ettinger, Mila Marshall, Rob Michaels
Re: Informal comments on nutrient assessment and reductions plans (NARPs) that have been submitted to IEPA
August 16, 2024

I. Introduction and Recommendations

We have reviewed the nutrient assessment and reduction plans (NARPs) and related documents (the Chicago Area Waterways phosphorus assessment and reduction plan (PARP), nutrient implementation plans (NIPs) and Fox River Study Group reports) that appear on the IEPA website at https://epa.illinois.gov/topics/water-quality/watershed-management/narps.html.

We believe that many of these NARP documents contain important data. In some cases, some very useful analysis was performed. Also, without regard to the NARPs, we know much useful work has also been done relating to nutrient pollution and cultural eutrophication with regard to sewage treatment plan upgrades and dam removal.

However, understandably given the novelty of the task, the lack of existing data, the need to address PFAS, chloride and other pollutants, and the Covid 19 pandemic that occurred during much of the time in which the NARPs were to be prepared, none of the NARPs that have been submitted fulfill the requirements of the permit conditions of NPDES permits requiring the preparation of NARPs.

In addition, we oppose relying on the current NARP documents to write NPDES permits due to the lack of community outreach and stakeholder engagement as to almost all of the NARPs. It is unacceptable for decisions regarding implementation of projects that impact the quality of surface water and resources of surrounding and downstream communities to wastewater treatment facilities. This kind of top-down approach only serves to alienate and disenfranchise the very people who should have a say in shaping their shared environments. We ask that proper consultation and engagement be conducted before NARPS are accepted. We further urge IEPA to explicitly interpret meaningful stakeholder engagement using the documents we have provided and finally provide an updated calendar for NARP public outreach opportunities.

Although the permit language varied somewhat among the two or three dozen NPDES permits requiring the preparation of NARPs, all of the NARP conditions required essentially that the permittee was to:

- With stakeholders,
- determine a "target value" for phosphorus (P) in the water body or bodies which it affects that will eliminate the P impairment or "risk of eutrophication," and
- develop a plan for getting P levels in the water body or bodies down to the target value or lower.[i]

Unfortunately, most of the permittees and their consultants did not involve stakeholders despite efforts by the Sierra Club to help them do so. Further, with the exception of the NARPs developed by the Conservation Foundation, Tetratech and Midwest Biodiversity Institute ("CF/Tetra/MBI") that will be discussed further below, the NARPs set no target criteria for ambient phosphorus levels. Without a target, those NARPs necessarily developed at most vague plans to reduce P loadings and contain no analysis of how to get phosphorus levels down in rivers and streams to where they do not present risk of eutrophication.

To cut to the chase, we believe that the Agency should reject all of the NARPs that have been submitted and give all of the permittees with NARP requirements until the end of 2025 to fulfill the NARP requirements.[ii] This should allow the work to be completed with the benefit of science and data that can be developed over the coming year. The agency appears to have already begun moving in that direction as shown by the draft NPDES permit for the Village of Deerfield.

As to almost all the NARPs, community outreach and engagement experiences were either not completed or poorly reported and represented. IEPA should give direction and take affirmative steps to support collaboration and development of watershed groups for NARP holders to work together.

Further, we believe that each permittee with NARP requirements should be required to present a draft revised NARP to stakeholders in their watershed no later than several months before they are due to be sent to the Agency. They should involve stakeholders, including our organizations, well before that.

II. Some General Problems

Some of us have already commented on specific NARPs (see attached comments) but we would like to point out general problems that we have seen in a number of the NARPs.

<u>Stakeholder process</u>

While we do not wish to belabor the past, we believe that a greater effort must be made in the future to bring community, environmental, agricultural and business interests into the NARP process up front. Without doing this, it is impossible to formulate a reduction plan that has any level of detail or that will work.

We recognize that it is not possible to force non-permittees to come to the table but both local organizations and state organizations that may be in a position to give input regarding NARPs should be clearly invited to participate. It is not acceptable for those writing NARPs to keep the process as something between the permittee and its consultant until it is sent to IEPA, perhaps after being flashed by a local committee. Also, promises to involve stakeholders in the future do not satisfy the requirement to involve stakeholders in the development of the NARPs.

Target Levels

As mentioned above, except for the CF/Tetra/MBI NIPs, none of the NARPs identify specific water quality targets for the affected rivers and streams and, thus, they necessarily fail to provide specific steps to reach such targets. Indeed, these NARPs fail to provide details for any reductions beyond the reduction to 0.5 mg/L total phosphorus (TP) in sewage treatment plant effluent, to which sewage treatment plants are already committed.

Under the NARP special permit conditions, a proper NARP must identify the numeric phosphorus per liter target *for the water body* that will prevent eutrophication. Modeling based on uncalibrated or inadequate data will not set an ambient target for point and nonpoint sources.[iii]

Further, NARP targets cannot rest solely on consideration of the proper effluent levels of sewage treatment plants, although, of course, selecting acceptable treatment plant phosphorus effluent levels will be very important in developing a plan to get TP levels down to the NARP target and to making the necessary case for a variance to the Illinois Pollution Control Board under 35 Ill. Adm. Code 104 subpart E.

It is probably easiest and most correct to use the science-based Wisconsin target of 0.1 mg/L. Further, we must caution that it is highly improbable that a proper target level can be set much above 0.1 mg/L total phosphorus. That was the level adopted in Wisconsin after much study of the waters of that neighboring state. See also Dodds, Jones and Welch, Suggested Classification of Stream Trophic State: Distribution of Temperate Stream Types for Chlorophyll, Total Nitrogen and Phosphorus, Wat. Res. Vol 32 No.5 (1998) p. 1457 (streams with over .075 mg/L TP eutrophic.

A study that looked at numerous Illinois waters found that there was a close correlation between phosphorus levels and sestonic algae levels at sites with sufficient sunlight up to a level of 0.2 mg/L but that there was no relationship above .2 mg/L. Royer, T., Gentry, L., Mitchell, C., Starks, K., Heatherly II, T. and Whiles, M., Assessment of Chlorophyll a as a Criterion for Establishing Nutrient Standards in the Stream and Rivers of Illinois, Journal of Environmental Quality, Vol. 37 March-April 2008 p. 440-41. In other words, above 0.2 mg/L Illinois water bodies are essentially phosphorus saturated.

We should not expect, then, to see a difference in unnatural plant or algal growth between waters with 0.3 mg/L and 0.6 mg/L or expect that models will predict substantial differences in dissolved oxygen levels or unnatural plant or algal growth if they do not consider ambient levels of phosphorus well below 0.2 mg/L TP. A protective standard will limit pollution at levels well below the level at which it does not matter anymore.

For impounded waters, it is likely that the protective level for phosphorus will be far below 0.2 mg/L TP. The Illinois lake phosphorus standard is 0.05 mg/L and recently developed U.S. EPA criteria guidelines suggest still lower numbers for lakes.[iv] For this reason, dam removal may be an important component of a NARP.

The NARPs that were prepared by the DuPage River Salt Creek Workgroup and the Lower Des Plaines do attempt to set a target level.[v] However, as further explained in attached comments, these CF/Tetra/MBI NIPs:

- Do not address dissolved oxygen levels or unnatural plant or algal growth, which are underlying water quality standards at issue,[vi] but instead attempt to relate phosphorus levels to the health of the aquatic community,[vii]
- Protection of aquatic life is certainly an important goal but these NARPs are not in fact protective of aquatic life because the criteria set for TP, 0.28 mg/L, is set well above the level at which damage to aquatic life is evident assuming the validity of the CF/Tetra/MBI study.

Although the line drawn for protection of aquatic life is far higher than anything that could be called “protective,” we have no reason to challenge the validity of the data collected or the relation between phosphorus levels and the health of certain aquatic life. A properly chosen number based on this CF/Tetra/MBI work should place a ceiling on the phosphorus water quality criteria necessary to protect aquatic life for at least Northeast Illinois rivers and streams.[viii]

Reduction Plans

A NARP "shall identify phosphorus input reductions from point sources and non-point sources in addition to other measures necessary to remove the risk of eutrophication characteristics that will cause or may cause violation of a water quality standard."[ix] This requires at a minimum a real plan as to how to achieve the target value. If, for example, it is found that DO violations caused by phosphorus or unnatural plant or algal growth may occur if total phosphorus levels are greater than 0.08 mg/L, a plan should be developed by stakeholders as to how to reduce phosphorus loadings from all sources in order to reach that level.

Obviously, in watershed in which the vast bulk of the phosphorus comes from non-point sources, it will not be possible to reach the target level simply by tightening permit limits. However, as the permit language makes clear, even in the case of watersheds where most phosphorus comes from non-point sources, NARPs must include a detailed plan as to how to get P levels in affected water bodies down to target levels.

In this regard, we note that animal feeding operations (AFOs) have been found to be a major source of phosphorus in some areas. Phosphorus from AFOs may be point source pollution and, in any case, a NARP should attempt to identify situations where AFOs are a significant source of phosphorus in the watershed.

Whatever the sources the phosphorus pollution, it may well take time, money and effort to implement a proper NARP. Indeed, it may be necessary to obtain, through evidence presented to the Illinois Pollution Control Board, a variance, pursuant to 40 CFR 131.14 and 35 Ill. Adm. Code 104 subpart E, based on the scientific and economic factors that have been identified by the U.S. Environmental Protection Agency, IEPA and the IPCB.

The agency cannot know if a variance is necessary if the NARP does not set a proper target, identify the highest attainable use for waters affected by phosphorus pollution, and develop a detailed plan for attaining the target as soon as it is attainable. A NARP or a variance that delays meeting the target for years or decades must be supported by economic studies showing that earlier compliance is not attainable. 40 CFR 131.14(b)

In any event, we look forward to working with the Agency and other Illinois residents who seek to restore and maintain Illinois waters to eliminate impairments and cultural eutrophication to the extent possible.

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i For example, SPECIAL CONDITION 20 of the NPDES permit for Pontiac states.

The Agency has determined that the Permittee's treatment plant effluent is located upstream of a waterbody or stream segment that has been determined to be at risk of eutrophication due to phosphorus levels in the waterbody. This determination was made upon reviewing available information concerning the characteristics of the relevant waterbody/segment and the relevant facility (such as quantity of discharge flow and nutrient load relative to the stream flow).

A waterbody or segment is at risk of eutrophication if there is available information that plant, algal or cyanobacterial growth is causing or will cause violation of a water quality standard.

The Permittee shall develop, or be a part of a watershed group that develops, a Nutrient Assessment Reduction Plan (NARP) that will meet the following requirements:

1. The NARP shall be developed and submitted to the Agency by December 31, 2024. This requirement can be accomplished by the Permittee, by participation in an existing watershed group or by creating a new group. The NARP shall be supported by data and sound scientific rationale. Annual progress reports shall be submitted by March 31 each year.
2. The Permittee shall cooperate with and work with other stakeholders in the watershed to determine the most cost-effective means to address the risk of eutrophication. If other stakeholders in the watershed will not cooperate in developing the NARP, the Permittee shall develop its own NARP for submittal to the Agency to comply with this condition.
3. In determining the target levels of various parameters necessary to address the risk of eutrophication, the NARP shall either utilize the recommendations by the Nutrient Science Advisory Committee or develop its own watershed-specific target levels.
4. The NARP shall identify phosphorus input reductions from point sources and non-point sources in addition to other measures necessary to remove the risk of eutrophication characteristics that will cause or may cause violation of a water quality standard. The NARP may determine, based on an assessment of relevant data, that the watershed does not have a risk of eutrophication related to phosphorus, in which case phosphorus input reductions or other measures would not be necessary. Alternatively, the NARP could determine that phosphorus input reductions from point sources are not necessary, or that phosphorus input reductions from both point and nonpoint sources are necessary, or that phosphorus input reductions are not necessary and that other measures, besides phosphorus input reductions, are necessary.

5. NARP shall include a schedule for the implementation of the phosphorus input reductions and other measures. The NARP schedule shall be implemented as soon as possible and shall identify specific timelines applicable to the permittee.
6. The NARP can include provisions for water quality trading to address the phosphorus related risk of eutrophication characteristics in the watershed. Phosphorus/Nutrient trading cannot result in violations of water quality standards or applicable antidegradation requirements.
7. The Permittee shall request modification of the permit within 90 days after the NARP has been completed to include necessary phosphorus input reductions identified within the NARP. The Agency will modify the permit if necessary.
8. If the Permittee does not develop or assist in developing the NARP and such a NARP is developed for the watershed, the Permittee will become subject to effluent limitations necessary to address the risk of eutrophication. The Agency shall calculate these effluent limits by using the NARP and any applicable data. If no NARP has been developed, the effluent limits shall be determined for the Permittee on a case-by-case basis, so as to ensure that the Permittee's discharge will not

cause or contribute to violations of the dissolved oxygen or narrative offensive condition water quality standards.

[ii] Further extensions might be granted by IEPA to permittees that collect new data shown necessary to complete their NARP.

[iii] More discussion of this problem is provided in the attached comments on the Chicago Area Waterways PARP, the FRSG report and the Upper Des Plaines River NARP.

[iv] https://www.epa.gov/nutrientpollution/ambient-water-quality-criteria-address-nutrient-pollution-lakes-and-reservoirs

[v] It is our understanding that the model for the Lower Des Plaines is being developed further.

[vi] Specifically, the relevant DRSC permits state, "*The Permittee shall submit electronically to EPA.PrmtSpecCondtns@illinois.gov with "IL0028380 Special Condition 17.H" as the subject of the email and post to the DRSCWs website by December 31, 2023 a Nutrient Implementation Plan (NIP) for the DRSCW watersheds that identifies phosphorus input reductions by point source discharges, non-point source discharges and other measures necessary to remove DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 Ill. Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 Ill. Adm. Code 302.203."*

[vii] Because unnatural plant and algal growth can cause problems in addition to harm to aquatic life, aquatic life cannot be the exclusive focus. Such unnatural plant and algal growth can also render water bodies less suitable for recreation and as a source of drinking water.

[viii] The concentration to prevent unnatural plant or algal growth might be much lower than 0.1 mg/L but we do not know because no one apparently has looked.

[ix] See note I above.

Attachment 4

DRSCW/LDRWC Response Letter

to EAG Comments (11/04/2024)

DuPage River Salt Creek Workgroup

November 4, 2024

Ms. Joey L. Logan-Pugh
Chief of the Bureau of Water
Illinois EPA, Bureau of Water
1021 N. Grand Ave. East
Springfield, Illinois 62794-9276

Dear Ms. Logan-Pugh,

On behalf of the DuPage River Salt Creek Workgroup (DRSCW) & Lower DuPage River Watershed Coalition (LDRWC) (collectively referred to as the Workgroups or DRSCW/LDRWC), I am writing regarding the letter titled "Informal comments on nutrient assessment and reductions plans (NARPs) that have been submitted to IEPA", sent to IEPA on August 16, 2024 by representatives of the Sierra Club and the Environmental Law and Policy Center (referred to herein after as "the SC/ELPC letter"). The SC/ELPC letter raises concerns as to various nutrient plans that have been submitted to IEPA by watershed groups. The DRSCW & LDRWC submittal was called the Nutrient Implementation Plan for the East Branch DuPage River, West Branch DuPage River, Lower DuPage River, and Salt Creek (Illinois) and is called the "NIP" in this response. Regarding the NIP, several statements made within the SC/ELPC letter are incorrect. This response explains why that is the case.

In summary, the DRSCW and LDRWC have the following responses to the SC/ELPC letter:

Outreach

The SC/ELPC letter's statement that the Workgroups did not work with stakeholders is incorrect. Both groups engaged in extensive outreach and communication on the NIP at multiple stakeholder levels. These are detailed in Attachment 1 but in short:

Members of the DRSCW & LDRWC are public agencies that answer to elected officials. These agencies have already reviewed the budget and schedule outline included in the NIP and how it would be integrated into the agencies' budgets.

- We had multiple meetings with all watershed workgroup members who hold the permit condition (public agencies) to design, review and approve the NIP.
- We had multiple presentations at the general meetings of both groups that included members of the Sierra Club and other environmental groups (Salt Creek Watershed Network, Prairie Rivers Network, and The Conservation Foundation).
- We made several dedicated presentations on individual NIP components to members and parallel groups (other watershed groups and Illinois Association of Wastewater Agencies etc.).

- Several individual members conducted outreach to their elected officials/oversight committees and their customers (see Attachment 2).
- Presentations were made to DuPage Mayors and Managers and the DuPage County Stormwater Committee.
- We had several meetings with representatives of the Sierra Club and other environmental groups (see bullet 3 above) on the subject of the NIP.
- The NIP was posted to the DRSCW and LDRWC websites and was featured in our newsletter that was directly mailed to all member mayors and managers, DuPage Stormwater Committee members and MWRD Board.

This was far from a "top-down" or workgroup only process, as was suggested in the SC/ELPC letter. Of note The DRSCW and LDRWC special conditions identified in the National Pollution Discharge Elimination System (NPDES) issued by the Illinois EPA calls for the workgroups to "work with other watershed members of the DRSCW *(or LDRWC)"*. Other outside stakeholders are not mentioned. However, both the approach adopted by the Workgroups, and the nature of the document, demanded that outreach be done.

Target Levels

From the SC/ELPC letter; "Under the NARP special permit conditions, a proper NARP must identify the numeric phosphorus per liter target for the water body that will prevent eutrophication. Modeling based on uncalibrated or inadequate data will not set an ambient target for point and nonpoint sources." And; "The concentration to prevent unnatural plant or algal growth might be much lower than 0.1 mg/L but we do not know because no one apparently has looked."

As detailed below, the NIP conclusions rely on a calibrated water quality model that was used to examine ambient DO responses to changes in ambient TP concentrations. It was also used to model the input reductions necessary to meet the identified watershed target level. While a DO response to changes in ambient TP concentrations was not observed, a statistical analysis of aquatic life across the spectrum of ambient TP concentrations did find a robust relationship.

The relevant NDPES Special Condition permit language for the agencies who wrote the NIP reads as follows:

"The Permittee shall submit… a Nutrient Implementation Plan (NIP) for the DRSCW/LDRWC watersheds that identifies phosphorus input reductions by point source discharges, non-point source discharges and other measures necessary to remove DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 Ill. Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 Ill. Adm. Code 302.203."

SC/ELPC letter indicates a simple causal relationship between decreasing phosphorus loading and improving ambient dissolved oxygen (DO) conditions. The assumption in the SC/ELPC letter is that

instream total phosphorus (TP) concentrations are a reasonable proxy for determination of DO and offensive condition impairments. In practice, in our waterways, we did not find this to be the case. DO was not predicted to be significantly impacted at any of the plausible ambient TP concentration floors created by scenarios placed in the QUAL 2Kw models.

Before looking at how the NIP's target level was developed it should be noted that the SC/ELPC letter infers these TP target levels should be treated as a water quality standards (WQS). This is not the spirit in which the initiative was launched, which was one of open-ended cooperation between the agency, environmental advocacy groups, and permittees to resolve the TP issue by developing an informal watershed target. WWTP agencies would have contested its inclusion if this had been discussed as a possibility.

As documented in the NIP, the DRSCW/LDRWC pursued and developed two different approaches in order to address the specific NIP requirements and to meet the underlying designated uses (notably aquatic life).

> **Approach A: Identify the DO Impacts of Reducing Ambient TP Concentrations and Physical Instream Interventions (contractor Tetra Tech)**
>
> **Step 1:** Develop a calibrated QUAL 2Kw model for each of the mainstems of the four basins using the extensive topography, nutrient and continuous DO data available for each respectively.
>
> **Step 2:** Predict the outcomes of various management inventions including reducing or eliminating WWTP loadings or manipulating physical instream conditions.
>
> **Approach B: Identify the Aquatic Life Impacts of Reducing TP Concentrations on Fish and Macroinvertebrates (as measured by species/taxa and Indexes of biointegrity, contractor Midwest Biodiversity Institute and Tetra Tech)**
>
> **Step 1:** Use IEPA and Northeastern Illinois Workgroups data to develop relationships between nutrients and ambient TP in order to ascertain an ambient TP threshold for local waterways that is protective of aquatic life with emphasis on the biointegrity needed to meet the General Aquatic Life use.
>
> **Step 2:** Apply the calibrated model developed under Step A 1 to determine what an appropriate TP concentration permit limit for local point and nonpoint sources would be to meet the TP threshold identified in Step B 1.

Approach A - Calibrated Qual2Kw Model Development and DO Response Scenarios

Quantifying a relationship between TP and DO is a task that the State has spent decades trying to solve and has proven to be enormously complex. This complexity stems from the fact that eutrophication and the related measure, DO, are multivariate problems that resist simple analysis and solutions. The interplay of sun light, flow, habitat, and residency time (biostimulatory conditions) with biostimulatory substances (Nitrogen (N) as well as TP) have led many states and the scientific literature, to note "the

shortcomings of using ambient nutrient concentrations alone to diagnose eutrophication" (Mazor et al. 2022). This observation is why techniques that consider multiple variables such as the Stream Nutrient Assessment Procedure (SNAP, Ohio EPA) have been developed. From a watershed management perspective, solving multivariate problems by focusing on only one variable is likely to be both ineffective and inefficient. To match this complexity, solutions to these problems also need to be multivariate.

Working with Tetra Tech, a QUAL2Kw model was developed and calibrated for each of the four mainstems to capture simulation of an entire calendar year. The model drew on and was calibrated to the waterways extensive data sets including grab samples for nutrients, channel geometry, sestonic and benthic algae (as available) and abundant continuous DO data. The calibrated QUAL 2Kw model was then used to run a number of TP reduction scenarios including reducing WWTP effluent concentrations to 0.5 mg/L, 0.35 mg/L, and 0 mg/L. Even significant changes in TP loading did not have a significant impact on simulated ambient DO concentrations. This result was consistent with the model sensitivity testing. Sensitivity testing of the calibrated QUAL2Kw models indicated that various, interconnected variables have different and variable impacts on DO concentrations both temporally and spatially. Of the parameters tested in the QUAL2Kw models, ambient DO concentrations were least sensitive to changes in TP loading from boundary conditions and more sensitive to other parameters such as changes in sediment oxygen demand (SOD) and shade.

In refence to the SC/ELPC comment that no one looked at ambient TP concentrations lower than 0.1 mg/L, the NIP reports on ambient TP modeled down to 0.075 mg/L (East Branch DuPage River calibrated to 2019 condition). This was performed under a scenario where WWTP loadings were set to zero but their effluent flow was maintained. Under this scenario the model did not predict notable improvement in daily minimum DO levels compared to baseline DO conditions. Application of this scenario to the other three basins achieved ambient TP concentrations between 0.14-0.19 mg/L, and again no significant improvement in DO concentrations was predicted.

The ambient concentrations in these "Zero WWTP loadings" scenarios are unachievable. Any realistic WWTP TP effluent concentration will be above 0 mg/l TP, and background mean annual concentration ranges for urban flow (stormwater and instream sources such a stream banks) is in the 0.09-0.20 mg/l range with the most effective stormwater Best Management Practices (BMPs) already fully implemented.

The SC/ELPC letter seems to recognize the implausibility of obtaining the ambient concentrations it espouses in stating that WWTPs will need variances (page 3 paragraph 5) if they were to be adopted.

It should be noted that although continuous DO data sets show occasional anomalies in DO concentrations throughout these systems, the overall DO concentrations observed and simulated (based on model calibration to capture generalized conditions across reaches) do not violate the water quality standards for DO. DO concentrations that are observed to be anomalies with no known cause (e.g., illicit discharge, monitored CSO event, localized algal bloom due to stagnant unshaded waters, periodic discharge from detention ponds, etc.) cannot be captured by a model like QUAL2Kw that can only predict responses based on known inputs. Some segments do however experience relatively high algal growth (measured as gross

primary productivity) that does impact DO concentrations within the model. These are associated with the impoundment behind the Fullersburg Woods Dam (on Salt Creek, and since removed), Churchill Lagoon (East Branch, scheduled for culvert modification under the NIP program) and the Hammel Woods Dam (Lower DuPage, since removed). Elimination (accomplished or planned) of these impoundments would fall under the "other measures necessary to remove DO and offensive condition impairments" in the permit language.

Faced with the complexity of explaining DO concentrations, the Workgroups used both their own and IEPA statewide continuous DO data to review the factors that appear to influence DO. The study looked at fifteen years of seasonal data (from July 15 - September 30) (MBI 2024). This study explored monitored relationships between minimum DO, maximum DO, diel DO swing, and mean DO concentrations, and it was determined that the lowest DO concentrations (5th percentile) was the most explanatory variable associated with biological assemblage performance. The statistical evaluation also found no significant correlation between chlorophyll-a concentrations, fIBI, and mIBI at study sites. This finding is consistent with other Illinois studies in waters with elevated nutrient concentrations which similarly found relatively low benthic chlorophyll-a concentrations (Royer et al 2008, Figueroa-Nieves et al 2006). A third critical finding of this evaluation indicated the prevalence of co-occurring factors which are most explanatory or predictive of the influence of nutrients on the DO regime, such as modified stream geomorphology and physical habitat quality.

These evaluation results were mirrored in the QUAL2Kw model results as well, such that decreasing TP alone had a very small impact on DO concentrations. However, DO did have a significant and positive simulated response to the removal of physical barriers/improvement of habitat at Churchill Woods Dam and Fullersburg Woods Dam. From a NIP implementation standpoint, physical projects like dam removals tackle several DO drivers simultaneously (reduction in SOD, decreased exposure to light, improved flow velocities, and decreased residence times). The DO plots provided in the NIP show the average of daily minimums for the period and suggest that the DO problems are typically localized instead of systematic (sags seen at Churchill Woods Lagoon, East Branch, West Branch headwaters, Fullersburg Dam, Salt Creek, and upstream, upstream of Channahon Dam DuPage River, each of these areas has other problems (impounded, low flow, etc.).

The NIP makes recommendations to improve instream DO by addressing several of these DO sags via improving channel conditions. Such actions show a significant positive DO response in the model. As well as identifying projects the NIP also provides a funding method to implement these improvements while meeting the NIP TP target set out below. This would be accomplished by continuing the Workgroups' successful funding model to conduct channel restoration projects. Aggregate funding for both groups is predicted to be as high as $28 M for the years 2026-2035.

Computer models are helpful tools in decision-making (e.g., indicating whether changes to TP in/at boundary conditions are most likely to impact instream TP concentrations), but they do not incorporate local and regional co-variables such as stream geomorphology and stream and floodplain habitat conditions. As already discussed herein, a future modelled condition with TP boundary conditions significantly reduced did not predict a response in improved DO concentrations. Mean DO concentrations are already generally observed (and simulated) around the saturation point, meaning there is little that

could be done to improve baseline DO concentrations aside from decreasing the observed daily range. The DRSCW/LDRWC QUAL2Kw model was calibrated and parameterized based on existing conditions, and it is possible that the model's predictive ability declines as the scenario increasingly departs from the calibration baseline. It is probable that the model for these waterways will require recalibration with different parameterization following the substantial reduction in TP loading that would occur as a result of the NIP implementation. A dramatic decrease in TP loading may impact various model parameter inputs (which were not changed for model scenarios because there is not enough empirical information) such as the following terms which are uniquely input for both phytoplankton and benthic algae: maximum growth rate, respiration rates, death rates, subsistence quota for phosphorus, external phosphorus half saturation constant, phosphorus uptake fraction of the water column, and many more.

Approach B – Identifying a TP Threshold Protective of Aquatic Life

Based on a number of watershed management objectives, DRSCW/LDRWC determined that aquatic life scores, expressed mainly as Indexes of Biointegrity, are the most scientific and useful indicator of protective concentrations for TP. This argument is developed in Chapter 4 of the NIP. This finding is consistent with the Workgroups' strategy as their principle objective is to create ambient conditions conducive to supporting aquatic biota that meet the Illinois General Use standard criteria for aquatic life. While the NIP waterways are impaired for the Aquatic Life General Use standard, it is unknown whether these waterways ever met the General Use standard due to a lack of historical data before and during the urbanization of the region.

DRSCW/LDRWC worked with Midwest Biodiversity Institute (MBI) to investigate the possibility of developing a TP threshold relationship with local fish and macroinvertebrate communities. Through application of our Integrated Prioritization System (IPS) tool, MBI mapped regional biological communities and their observable responses to TP across a spectrum of TP concentrations. The analysis drew on multiple years of IEPA data for wadable streams across Northeastern Illinois, including reference reaches, as well as data generated by watershed groups.

Ultimately, the analysis found that fish species showed higher sensitivity to variation in TP concentrations than did macroinvertebrate taxa. Based on this result, DRSCW/LDRWC concluded that an ambient TP concentration range that was protective of the more sensitive fish species would also be protective be protective of macroinvertebrate taxa.

The IPS analysis identified an ambient TP concentration of 0.110 – 0.277 mg/L as being protective of aquatic life meeting the General Use standard as defined by the State of Illinois. This result may be judged conservative as it was based on sites that also had two or more of the most TP sensitive species identified in the data set. Sensitive species are those in the lowest quartile of all fish species in the data set that showed the most precipitous decline in abundance as TP concentrations increased.

DRSCW/LDRWC then worked with Tetra Tech to explore the relationship between TP sources relative to instream concentrations using the calibrated QUALKw model. Through data preparation for model boundary conditions, it was possible to quantify the relative contributions of TP loading to each waterway between point sources (WWTPs) and nonpoint sources (non-specific watershed runoff and tributaries).

WWTPs were clearly identified to provide approximately 75 – 80% of current TP loading based on existing discharge conditions. The remaining loads are based primarily on stormwater-driven TP associated with organic matter in leaf litter (Selbig 2016). Leaf litter management can reduce nonpoint source TP loading from stormwater. However, street sweeping and leaf litter collection are already fully adopted practices across the watersheds; and their impact is already accounted for in monitoring data. While urban (nonpoint source) mean TP concentrations ranged from 0.09 – 0.2 mg/L, WWTPs, on average, discharge treated effluent with TP concentrations on the order of 0.48 mg/L – 5.46 mg/L. Note that the range of urban concentrations are already inside the range identified as protective of General Use and Aquatic Life by the IPS. The analysis points to the centrality of WWTPs reductions to meeting the target identified by the IPS.

Modelling found that, along with a 20% margin of safety, a WWTP TP effluent concentration of 0.50 mg/L for the Lower DuPage in tandem with 0.35 mg/L, West Branch, and East Branch DuPage, and 0.35 mg/L for Salt Creek would deliver the target ambient TP concentration for all four waterways. Predicted ambient TP concentrations for the four basins is as follows: East Branch 0.19 mg/L, West Branch 0.20 mg/L, Lower DuPage 0.19 mg/L, and Salt Creek 0.21 mg/L. Post NIP implementation, the mean concentrations at the terminus of the Lower DuPage River and Salt Creek are predicted at 0.17 mg/L. All are well below the threshold identified by the NIP of 0.277 mg/L TP.

There are many unknowns about how various future implementation management scenarios will impact the DRSCW/LDRWC receiving waters. However, as the TP regime shifts, there is likely to be a positive impact. The true impact of these changes may be best monitored by looking for observable changes in types and quantities of phosphorus-sensitive species and improvements in diatom assemblage structures and algal biomass that will positively impact diel DO ranges systemwide. This underscores the commitment of the Workgroups to continue collecting and analyzing data beyond the implementation of the NIP.

Is the Identified TP Target Level Protective?

The SC/ELPC letter's statement that the threshold identified by the DRSCW/LDRWC NIP is not protective of aquatic life rests on the definition of protective. In conversations with the SC/ELPC letter's authors they asserted that protective, both in legal and common parlance, meant protective of 100% of individuals of all species and taxa. The range derived for use in the NIP uses the definition from the 1985 EPA document "Guidelines for Deriving Numerical National Water Quality Criteria for the Protection of Aquatic Organisms and Their Uses" (Stephens et al 1985) that thresholds/standards need to be protective of 95% of the aquatic fauna. This is set out in the NIP support document (Page 44 NE Illinois IPS document):

"There are a number of ways by which effect thresholds have been derived for various stressors and each has its advantages and limitations. For many of the most common toxic pollutants, laboratory derived toxicity testing has been the conventionally accepted approach for deriving water quality criteria. The goal of this approach is to derive the concentration of a pollutant that is protective of representative species/taxa, that is assumed to protect 95% of all species, including untested ones, for a general class of waters (i.e., freshwater or marine; Stephan et al. 1985). In developing a criterion, a curve is fit to ranked

toxicity data and a value is generated that represents a parameter value that will protect the most sensitive of the tested species. An advantage of this approach is that it is based on experimental data derived under controlled conditions (e.g., untreated control tests, standard temperature, water hardness, pH, etc.). A disadvantage is the uncertainty about whether the results are ecologically and/or environmentally relevant. For example, other substances present in the ambient environment could interact with a stressor in an additive, synergistic, or antagonistic manner resulting in under or overly protective thresholds. However, traditional water quality criteria are assumed to protect ≥95% of all species in a region or class of waters, but they cannot account for different complements of species and taxa that reflect different levels of assemblage sensitivity. Naturally occurring factors, some of which can be unrelated to chemical activity, could reduce or amplify the effects of a pollutant leading to under or over-protective criteria. This is a particularly vexing issue with naturally occurring parameters and substances (e.g., nutrients, ionic strength compounds, sediment, attributes of habitat) where natural background factors (e.g., soils, stream size, ecotype, gradient, base flows, etc.,) can influence the exposure regimen (magnitude, exposure, and fate) of such parameters. The application of water quality criteria for toxicants, however, has contributed much to the documented improvement in ambient aquatic assemblage conditions via pollution controls. This is especially true for the discharge of pollutant loads from point sources on a water quality basis (Yoder et al. 2005, 2019; Happel and Gallagher 2021) that were resolved via point source regulation. The apparent success of applying water quality criteria for common pollutants such as biochemical oxygen demand (BOD), ammonia-N, and common heavy metals has in itself validated how those water quality criteria have been applied, the majority via NPDES permitting."

Our approach is consistent with Stephan et al. (1985). In essence it is more stringent than the basic biological endpoints for the Illinois General Use standard for Aquatic Life since it uses ambient data to derive the TP criteria at sites attaining the General Use standard biological endpoints while also having two or more TP sensitive fish species. The IPS methodology also derived an "Excellent" criterion (≤0.11 mg/l) for sites that achieve excellent biological thresholds (fIBI 50-60) which also harbor more TP sensitive species. The NIP is recommending the 0.11- 0.277 mg/l range as this supports attainment of the General Use standard level of biology.

Reduction Plans and Next Steps

DRSCW/LDRWC stand by their approach to developing the NIP and believe they met the NPDES permit requirements. The NIP clearly identified a target concentration, identified the sources of TP and allocated reductions in a manner that will predictably meet the target. It relies on proven practices supported by 15 years of data, robust statistical analysis and calibrated models.

DRSCW and the LDRWC will continue to run their monitoring and assessments both to verify that the TP goals of the NIP are met and to allow the IPS analysis and DO model to be calibrated for the new condition once it is achieved.

The current language in the DRSCW/LDRWC permits reads:

> "F5. If the Nutrient Implementation Plan determines that a greater phosphorus reduction is necessary, then the Permittee shall meet the phosphorus limit identified in the Nutrient Implementation Plan in accordance with the schedule set out therein, prioritized among all watershed needs;"

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The DRSCW and LDRWC respectfully request that the IEPA issue permits that adhere to the schedule and limits set out in the NIP. DRSCW and LDRWC have drafted permit language for the agency's consideration (see chapter 9 of the NIP).

Thank you for considering our responses.
Stephen McCracken

Director

cc: LDRWC

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