# DOWNERS GROVE SANITARY DISTRICT GENERAL MANAGER'S REPORT December 16, 2022

## **December Board Meeting**

Copies of documentation for the following agenda items are enclosed for the December 20, 2022 meeting:

- 1) Proposed Agenda
- 2) Minutes of the November 15, 2022 regular meeting
- 3) Claim Ordinance 1920
- 4) Schedule of 2023 regular meetings
- 5) Annexation Ordinance No. AO 2022-17 297-299 60<sup>th</sup> Street, Downers Grove
- 6) Operations Report SCADA

# **BOLI Meeting**

There is no BOLI meeting scheduled this month.

# **Operations Reports**

Copies of the following are enclosed for November operations:

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

## Infiltration/Inflow Removal Work

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

# Safety

Seventeen employees completed forklift training by Atlas Toyota in early December. This training is required by OSHA to be completed every 3 years.

The local 3M representative hosted a training for Maintenance and Operations regarding the new PAPR (Powered Air Purifying Respirators) purchased by the District. The PAPRs will be used primarily for handling the chlorine buckets and for changing the media in the siloxane vessels.

The final Safety Committee meeting for 2022 was held on December 8. The Safety Committee closed three hazard reports this month.

#### Financial

A copy of the Investment Schedule as of November 30, 2022 is enclosed.

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

# <u>Meetings</u>

I attended the following meetings since the November 11, 2022 General Manager's report:

- November 18 attended DRSCW Projects Committee meeting on the Fawell Dam project. Larry also attended.
- December 2 attended IAWA Nutrient Subcommittee meeting
- December 2 attended Illinois Wastewater Surveillance System (IWSS) Monthly Engagement meeting
- December 6 attended EPA Community Grants Training Series for Recipients Grants Overview (Administrative)
- December 7 attended DRSCW General Membership meeting. Larry also attended.
- December 13 attended NACWA seminar on Collaborative Watershed Projects to Reduce Nutrient Losses and Protect Water Quality
- December 14 attended EPA Community Grants Training Series for Recipients Programmatic Requirements
- December 14 attended PFAS Regulatory Coalition/IAWA PFAS Subcommittee briefing
- December 15 attended EPA Community Grants Training Series for Recipients Audits and Investigations

## Miscellaneous

I took a vacation day on November 23.

Copies of the following items are enclosed:

- 1) General Manager's Report to the Employees dated November 18 and December 2 and 16
- 2) November and December 2022 DGSD WWTC wastewater reports of SARS-CoV-2 levels
- 3) November 30 letter to DuPage County Chairman transmitting documents
- 4) DRSCW Fall/Winter 2022 newsletter
- 5) December 5 EPA letter regarding addressing PFAS in NDPES permits and through the pretreatment program
- 6) December 8 letter of support for UIC ERC WRF proposal
- 7) December 12 letter from EPA granting final approval of the local limit modification

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

# DOWNERS GROVE SANITARY DISTRICT BOARD OF TRUSTEES MEETING DECEMBER 20, 2022 – 7:00 PM BOARD ROOM

# PROPOSED AGENDA

- I. APPROVAL OF MINUTES
  - A. REGULAR MEETING NOVEMBER 15, 2022
- II. APPROVAL OF CLAIM ORDINANCE NO. 1920
- III. PUBLIC COMMENT
- IV. OLD BUSINESS
- V. NEW BUSINESS
  - A. SCHEDULE OF REGULAR MEETINGS FOR 2023
  - B. ANNEXATION ORDINANCE AO 2022-17, 297-299 60<sup>TH</sup> STREET, DOWNERS GROVE
  - C. OPERATIONS REVIEW SCADA

#### **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 December 20, 2022. The form can be found here: <a href="https://www.dgsd.org/government/public-comment/">https://www.dgsd.org/government/public-comment/</a>



#### **MINUTES**

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, November 15, 2022, convening at 7:00 p.m. The meeting was held at the District's Administration Center, 2710 Curtiss Street, Downers Grove. Present were Trustees Wally D. Van Buren, Amy E. Sejnost, Jeremy M. Wang, General Manager Amy R. Underwood, Administrative Supervisor Carly S. Shaw, Sewer Construction Supervisor Keith Shaffner, Information Coordinator Alyssa J. Caballero and Attorney Michael G. Philipp.

# Revised Minutes of Regular Meeting – September 27, 2022

A motion was made by Trustee Sejnost seconded by Trustee Wang approving the revised minutes of the regular meeting held on September 27, 2022 and authorizing the President and Clerk to sign same. The motion carried.

## Minutes of Regular Meeting – October 18, 2022

A motion was made by Trustee Wang seconded by Trustee Sejnost approving the minutes of the regular meeting held on October 18, 2022 and authorizing the President and Clerk to sign same. The motion carried.

## Claim Ordinance No. 1919

A motion was made by Trustee Sejnost seconded by Trustee Wang adopting Claim Ordinance No. 1919 in the total amount of \$543,447.69 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

#### Public Comment - None

#### New Business

## Ordinance No. 22-02 Amending Local Limits

General Manager Underwood presented Ordinance No. ORD 22-02 that amends Specific Limitations on Discharge (Article IIA Section 3.3) in the District's Pretreatment Ordinance. Special Condition 12.A.8 of the Downers Grove Sanitary District Wastewater Treatment Center National Pollutant Discharge Elimination System (NPDES) permit, which became effective March 1, 2022, requires the District to conduct a technical re-evaluation of its local limits. The re-evaluation determined the silver limit needed to be lowered from 0.57 mg/L to 0.36 mg/L. USEPA has reviewed the evaluation and provided tentative approval pending adoption of the revised local limit for silver. A motion was made by Trustee Sejnost seconded by Trustee Wang adopting Ordinance No. ORD 22-02 and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

# Planned Retirement Preparation Approval

Administrative Supervisor Shaw presented a memo identifying Maintenance Supervisor Jeff Barta'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 Van Buren seconded by Trustee Sejnost to permit additional wage payments to Jeff Barta spreading 200 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 \$12,169.10, in anticipation of his announced retirement date of July 31, 2023, increasing his retirement monthly pension amount by \$190.14, and increasing the cost of his pension annuity and DGSD's pension cost by \$31,767.29. The motion carried. (Votes recorded: Ayes—Van Buren and Sejnost. Abstain—Wang.)

## Annexation Ordinance AO 2022-08 – 5616 Katrine Avenue, Downers Grove

Sewer Construction Supervisor Shaffner presented Annexation Ordinance No. AO 2022-08 for the annexation of one single-family lot located at 5616 Katrine Avenue, Downers Grove. A motion was made by Trustee Van Buren seconded by Trustee Sejnost accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2022-08 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

## Annexation Ordinance AO 2022-09 – 405 Lindley Road, Westmont

Sewer Construction Supervisor Shaffner presented Annexation Ordinance No. AO 2022-09 for the annexation of one single-family lot located at 405 Lindley Road, Westmont. A motion was made by Trustee Wang seconded by Trustee Sejnost accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2022-09 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

#### Annexation Ordinance AO 2022-10 – 5935 Puffer Road, Downers Grove

Sewer Construction Supervisor Shaffner presented Annexation Ordinance No. AO 2022-10 for the annexation of one single-family lot located at 5935 Puffer Road, Downers Grove. A motion was made by Trustee Van Buren seconded by Trustee Sejnost accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2022-10 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

#### Annexation Ordinance AO 2022-11 – 3928 Venard Road, Downers Grove

Sewer Construction Supervisor Shaffner presented Annexation Ordinance No. AO 2022-11 for the annexation of one single-family lot located at 3928 Venard Road, Downers Grove. A motion was made by Trustee Wang seconded by Trustee Sejnost accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2022-11 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

## Annexation Ordinance AO 2022-12 – 6000 Woodward Avenue, Downers Grove

Sewer Construction Supervisor Shaffner presented Annexation Ordinance No. AO 2022-12 for the annexation of one lot located at 6000 Woodward Avenue, Downers Grove. A motion was made by Trustee Wang seconded by Trustee Sejnost accepting the Petition for Annexation, adopting

Annexation Ordinance No. AO 2022-12 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

# Annexation Ordinance AO 2022-13 – 4915 Drendel Road, Downers Grove

Sewer Construction Supervisor Shaffner presented Annexation Ordinance No. AO 2022-13 for the annexation of two single-family lots located at 4915 Drendel Road, Downers Grove. A motion was made by Trustee Wang seconded by Trustee Sejnost accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2022-13 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

## Annexation Ordinance AO 2022-14 – 4529 Cross Street, Downers Grove

Sewer Construction Supervisor Shaffner presented Annexation Ordinance No. AO 2022-14 for the annexation of one single-family lot located at 4529 Cross Street, Downers Grove. A motion was made by Trustee Sejnost seconded by Trustee Wang accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2022-14 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

# Annexation Ordinance AO 2022-15 – 1146 67th Street, Downers Grove

Sewer Construction Supervisor Shaffner presented Annexation Ordinance No. AO 2022-15 for the annexation of one single-family lot located at 1146 67<sup>th</sup> Street, Downers Grove. A motion was made by Trustee Wang seconded by Trustee Sejnost accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2022-15 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

## Annexation Ordinance AO 2022-16 – 6010 Springside Avenue, Downers Grove

Sewer Construction Supervisor Shaffner presented Annexation Ordinance No. AO 2022-16 for the annexation of one single-family lot located at 6010 Springside Avenue, Downers Grove. A motion was made by Trustee Wang seconded by Trustee Sejnost accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2022-16 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

#### Other New Business

Trustee Sejnost noted that a new Lab Analyst had been hired and inquired about the status of hiring a Maintenance Mechanic. She noted that the District has started using Microsoft Teams as its internal communications application. She inquired about the electrical feed to the OSEC generator unit and noted the progress made with the Outfall 001 Sanitary Sewer Repair project, noted in Staff Engineer Bielawa's report. Lastly, Trustee Sejnost wished everyone a safe and happy holiday.

Trustee Van Buren noted the progress being made with the Curtiss Street Lining project, the Administrative Building Improvements project, Centex Lift Station Replacement project and Outfall 001 Sanitary Sewer Repair project, noted in Staff Engineer Bielawa's report. He also noted the 4000-amp breaker repairs to the main switch gear at the treatment center, noted in Maintenance Supervisor Barta's report.

Approved: December 20, 2022		
	President	
Attest: Clerk		

A motion was made by Trustee Sejnost seconded by Trustee Wang to adjourn the regular meeting at 7:25 p.m. The motion carried.

Downers Grove, Illinois

Date: December 20, 2022

Claim Ordinance No. 1920

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 \$960,610.54 being in words and figures as follows:

DATE 11/15/22 PERIOD END 11/12/22 PAGE 6

PAYROLL END DATE: 11.12.22 PAYROLL PAID DATE: 11.18.22

G/L DATE: 12.31.22

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		52008.69-
01-00.2000	FEDERAL TAX WITHHELD		9028.80-
01-00.2001	STATE TAX WITHHELD		3781.52-
01-00.2002	SOCIAL SECURITY WITHHELD		6267.33-
01-00.2003	IMRF WITHHELD		3665.29-
01-00.2005	CLEARING		20.89-
01-00.2013	CREDIT UNION WITHHELD		2419.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3653.78-
01-00.2017	VOLUNTARY GROUP LIFE		192.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		184.03-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		192.31-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1351.18-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		246.84-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		296.55-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		200.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		145.35-
01-11.A003	GENERAL MANAGEMENT	796.95	
01-11.A004	FINANCIAL RECORDS	8135.16	
01-11.A005	ADMINISTRATIVE RECORDS	922.40	
01-11.A007	CODE ENFORCEMENT	6181.99	
01-11.A008	SAFETY ACTIVITIES	1407.62	
01-11.A030	BUILDING AND GROUNDS	17.79	
01-12.A006	ENGINEERING	2424.80	
01-12.A011	MAINTENANCE - WWTC	11561.85	
01-12.A012	MAINTENANCE - VEHICLES	308.00	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	1235.20	
01-12.A014	MAINTENANCE - ELECTRICAL	7149.61	
01-12.A021	WWTC - OPERATIONS	12195.28	
01-12.A022	WWTC - SLUDGE HANDLING	6578.58	
01-12.A023	WWTC - ENERGY RECOVERY	531.53	
01-12.A030	BUILDING AND GROUNDS	3457.28	
01-13.A041	LAB - WWTC	2828.31	
01-13.A048	LAB - ENERGY RECOVERY	166.35	
01-14.A051	SEWER MAINTENANCE	10014.62	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	248.75	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1331.38	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	925.79	
01-14.A064	INSPECTION - MISCELLANEOUS	147.92	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	2524.09	
01-14.A066	INSPECTION - CODE ENFORCEMENT	2104.08	
01-14.A072	SEWER INVESTIGATIONS	147.92	
01-15.A080	LIFT STATION MAINTENANCE	310.31	

83653.56 83653.56-

DATE 11/16/22 PERIOD END 11/15/22 PAGE 4

PAYROLL END DATE: 11.15.22 PAYROLL PAID DATE: 11.17.22 G/L DATE: 12.31.22

			0, = 21
		DEBIT	
	CASH - PAYROLL ACCOUNT		22515.78-
	FEDERAL TAX WITHHELD		3823.41-
	STATE TAX WITHHELD		1560.69-
01-00.2002	SOCIAL SECURITY WITHHELD		2464.02-
01-00.2003	IMRF WITHHELD		1173.21-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		858.97-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		300.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		498.35-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		152.16-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		115.68-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	9440.62	
01-11.A007	CODE ENFORCEMENT	8991.22	
01-12.A006	ENGINEERING	756.89	
01-12.A009	OPERATIONS MANAGEMENT	4426.92	
01-12.A011	MAINTENANCE - WWTC	4552.69	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	117.50	
01-12.A014	MAINTENANCE - ELECTRICAL	117.50	
01-12.A021	WWTC - OPERATIONS	314.74	
01-12.A023	WWTC - ENERGY RECOVERY	52.19	
01-12.A030	BUILDING AND GROUNDS	88.27	
01-13.A009	OPERATIONS MANAGEMENT	2418.59	
01-13.A041	LAB - WWTC	119.99	
01-13.A042	LAB - PRETREATMENT	910.09	
01-13.A043	LAB - SURCHARGE PROGRAM	862.29	
01-13.A048	LAB - ENERGY RECOVERY	95.58	
01-15.A006	ENGINEERING	79.25	
01-15.A080	LIFT STATION MAINTENANCE	235.00	

33579.33 33579.33-

DATE 11/30/22

LIFT STATION MAINTENANCE

PERIOD END 11/26/22 PAGE

PAYROLL END DATE: 11.26.22 PAYROLL PAID DATE: 12.02.22

G/L DATE: 12.31.22

G/L NUMBER COST DESCRIPTION DEBIT CREDIT \_\_\_\_\_\_ 01-00.1001 CASH - PAYROLL ACCOUNT 01-00.2000 FEDERAL TAX WITHHELD 9329.24-01-00.2001 STATE TAX WITHHELD 3880.37-SOCIAL SECURITY WITHHELD 01-00.2002 6428.44-01-00.2003 IMRF WITHHELD 3740.92-20.89-01-00.2005 CLEARING 01-00.2013 CREDIT UNION WITHHELD 2419.00-01-00.2014 VOLUNTARY ADDITIONAL PENSION CONTRIBUTION 3729.38-01-00.2021 FLEXIBLE ACCOUNT WITHHELD - MEDICAL 184.03-01-00.2022 FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE 192.31-01-00.2024 FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION 1351.18-01-00.2025 EMPLOYEE INS PREM CONTRIBUTION - POST TAX 246.84-01-00.2026 DEFERRED COMPENSATION WITHHELD - IPPFA 329.30-01-00.2027 DEFERRED COMPENSATION WITHHELD - IPPFA ROTH 200.00-01-00.2028 DC PLAN LOAN REPAYMENT WITHHELD 145.35-1257.14 01-11.A003 GENERAL MANAGEMENT 01-11.A004 FINANCIAL RECORDS 8004.40 01-11.A005 ADMINISTRATIVE RECORDS 789.26 01-11.A006 ENGINEERING 947.19 01-11.A007 CODE ENFORCEMENT 6353.43 SAFETY ACTIVITIES 01-11.A008 1131.48 01-11.A030 BUILDING AND GROUNDS 259.03 01-12.A006 ENGINEERING 1477.61 01-12.A011 MAINTENANCE - WWTC 12392.89 01-12.A012 MAINTENANCE - VEHICLES 577.50 01-12.A014 MAINTENANCE - ELECTRICAL 7216.02 01-12.A021 WWTC - OPERATIONS 14414.96 WWTC - SLUDGE HANDLING 01-12.A022 5506.33 01-12.A023 WWTC - ENERGY RECOVERY 368.98 01-12.A030 BUILDING AND GROUNDS 3585.53 01-13.A041 LAB - WWTC 3824.10 01-13.A048 LAB - ENERGY RECOVERY 147.08 01-14.A051 SEWER MAINTENANCE 9779.06 01-14.A054 SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS 409.54 01-14.A062 INSPECTION - CONSTRUCTION OF DGSD PROJECTS 503.44 01-14.A063 INSPECTION - PERMIT INSPECTIONS 1049.81 01-14.A064 INSPECTION - MISCELLANEOUS 970.73 01-14.A065 INSPECTION - CONSTR BY VILLAGES, UTILITIES 1501.29 01-14.A066 INSPECTION - CODE ENFORCEMENT 2890.69 01-14.A072 SEWER INVESTIGATIONS 194.15 01-15.A080

> 85759.14 85759.14-

207.50

PAYROLL END DATE: 11.30.22

GENERAL LEDGER RECAP

PAYROLL PAID DATE: 12.02.22 DATE 12/01/22 PERIOD END 11/30/22 PAGE

G/L DATE: 12.31.22

	COST DESCRIPTION	DEBIT	CREDIT
	CASH - PAYROLL ACCOUNT		22877.30-
01-00.2000	FEDERAL TAX WITHHELD		3810.73-
01-00.2001	STATE TAX WITHHELD		1557.22-
01-00.2002	SOCIAL SECURITY WITHHELD		2090.77-
01-00.2003	IMRF WITHHELD		1171.79-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		857.29-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		300.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		498.35-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		152.16-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		115.68-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	9927.18	
01-11.A007	CODE ENFORCEMENT	8991.21	
01-11.A030	BUILDING AND GROUNDS	58.45	
01-12.A006	ENGINEERING	79.25	
01-12.A009	OPERATIONS MANAGEMENT	4547.39	
01-12.A011	MAINTENANCE - WWTC	4936.60	
01-12.A014	MAINTENANCE - ELECTRICAL	117.50	
01-12.A021	WWTC - OPERATIONS	161.37	
01-12.A023	WWTC - ENERGY RECOVERY	26.63	
01-12.A030	BUILDING AND GROUNDS	176.55	
01-13.A009	OPERATIONS MANAGEMENT	2945.84	
01-13.A041	LAB - WWTC	321.83	
01-13.A042	LAB - PRETREATMENT	891.27	
01-13.A048	LAB - ENERGY RECOVERY	247.60	
01-14.A006	ENGINEERING	119.68	
		33548.35	33548.35-

DATE 12/13/22 PERIOD END 12/10/22 PAGE 6

PAY END DATE: 12.10.22 PAY PAID DATE: 12.16.22

G/L DATE: 12.31.22

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		54415.78-
01-00.2000	FEDERAL TAX WITHHELD		9440.00-
01-00.2001	STATE TAX WITHHELD		3946.80-
01-00.2002	SOCIAL SECURITY WITHHELD		6535.76-
01-00.2003	IMRF WITHHELD		3815.26-
01-00.2005	CLEARING		20.89-
01-00.2013	CREDIT UNION WITHHELD		2419.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3740.41-
01-00.2017	VOLUNTARY GROUP LIFE		192.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		184.03-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		192.31-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1351.18-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		246.84-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		316.09-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		200.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		145.35-
01-11.A003	GENERAL MANAGEMENT	1191.18	
01-11.A004	FINANCIAL RECORDS	7724.59	
01-11.A005	ADMINISTRATIVE RECORDS	922.40	
01-11.A007	CODE ENFORCEMENT	5905.06	
01-11.A008	SAFETY ACTIVITIES	1394.15	
01-11.A030	BUILDING AND GROUNDS	334.28	
01-12.A006	ENGINEERING	2458.90	
01-12.A011	MAINTENANCE - WWTC	13352.92	
01-12.A014	MAINTENANCE - ELECTRICAL	7697.50	
01-12.A021	WWTC - OPERATIONS	13140.29	
01-12.A022	WWTC - SLUDGE HANDLING	5135.30	
01-12.A023	WWTC - ENERGY RECOVERY	370.88	
01-12.A030	BUILDING AND GROUNDS	4548.69	
01-13.A041	LAB - WWTC	4855.69	
01-13.A048	LAB - ENERGY RECOVERY	158.86	
01-14.A051	SEWER MAINTENANCE	11016.45	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	352.19	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1766.38	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	255.05	
01-14.A064	INSPECTION - MISCELLANEOUS	744.33	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	600.93	
01-14.A066	INSPECTION - CODE ENFORCEMENT	2491.65	
01-14.A072	SEWER INVESTIGATIONS	425.27	
01-15.A080	LIFT STATION MAINTENANCE	318.76	

87161.70 87161.70-

======= VENDOR ======								
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
A-FORMULA MECHANICAL CORP	A000065	11/29/22	43550	01-15.B824	HOBSON W WALL A/C REPAIR	3671.25	3671.25	104507
ACI Payments Inc.	A000096	11/21/22	1000082498	01-11.B110	OLR FEES	30.90	30.90	104508
ADVOCATE OCCUPATIONAL HEALTH	A000150	11/08/22	836640	01-13.B117	NEW HIRE DRUG SCREEN	325.00	325.00	063918
ALTORFER INDUSTRIES, INC.	A000292	11/22/22	PM6A0013235	01-15.B523	EARLSTON GENERATOR REPAIR	2562.08		
		12/06/22	PM6A0013537	01-12.B513	EMER G #1 OIL SAMPLE	162.00		
		12/06/22	PM6A0013538	01-12.B513	EMER G #3 OIL SAMPLE	162.00		
		12/06/22	PM6A0013539	01-12.B513	EMER G #2 OIL SAMPLE	162.00	3048.08	104509
SYNCHB/AMAZON	A000295	11/22/22	0063773CM06J	01-12.B116	CREDIT	144.98-		
		10/31/22	0063828СМ06Н	01-12.B116	CREDIT	2.14-		
		11/15/22	433549393645	01-12.B117	NP OUTERWEAR	87.97		
		11/10/22	477358696683	01-12.B117	HI VIS VEST ST	39.48		
		11/14/22	485597975597	01-12.B117	CARHARTT JACKET ST	54.99		
		11/15/22	563753997664	01-12.B116	CREDIT	44.00-		
		09/21/22	744998859666	01-11.B113	EYEWASH STATION SUPPLIES	26.78		
		11/10/22	775696893858	01-12.B117	LONG SLEEVE SHIRT ST	79.98		
		11/13/22	849739973634	01-14.B116	C BATTERIES FOR LOCATOR	34.35		
		11/17/22	935744657359	01-12.B116	WIRELESS KEYBOARD/MOUSE	79.01		
		11/15/22	935798875779	01-14.C225	TRUCK #315 WIPERS	17.99		
		11/09/22	943898896658	01-11.B113	EYE WASH CONTAINERS	204.60		
		11/10/22	973488647856	01-12.B116	OPERATIONS SUPPLIES	190.78		
		12/06/22	BTTBRHVCIAHK	01-11.B117	XMAS GIFT CARDS	550.00		
		12/06/22	BTTBRHVCIAHK	01-12.B117	XMAS GIFT CARDS	850.00		
		12/06/22	BTTBRHVCIAHK	01-13.B117	XMAS GIFT CARDS	150.00		
		12/06/22	BTTBRHVCIAHK	01-14.B117	XMAS GIFT CARDS	450.00		
		12/06/22	BXEYMPNDYLEO	01-12.B117	HI VIS OUTERWEAR	43.48		
		12/04/22	L74499885966	01-11.B113	LATE CHARGE	.54	2668.83	063919
Amazon Business	A000296	11/11/22	119D91FFVE4C	01-14.B117	DJ CARHARTT SWEATSHIRT	99.99		
		12/13/22	14YPKP1K919C	01-12.B510	GEAR & BEARING OIL	298.35		
		11/17/22	16PLVQJM7YH6	01-13.B115	OFFICE SUPPLIES	88.26		
		11/12/22	199NHXP1K61	01-13.B117	COFFEE MAKER	99.98		
		12/13/22	19PGWQ1N4CHP	01-12.B112	AG PHONE SCREEN PROTECTOR	42.32		
		11/11/22	1F1QTHRJWNQX	01-12.B116	STROBE LIGHT FOR VEHICLE	49.99		
		11/14/22	1FNT6J731946	01-15.B529	PUMP BATTERY CHARGER	119.90		
		12/11/22	1GF69JWVPHMF	01-12.B812	USB CHARGER WALL OUTLET	121.32		
		12/07/22	1KFG7X1M1QDF	01-11.B116	ETHERNET CABLE	24.98		
		11/23/22	1LMPQJ64NVVK	01-11.B117	AB OUTERWEAR	159.99		
		12/14/22	1V464NGP13KM	01-11.B112	LC PHONE CASE	31.81		
		11/20/22	1VCHWMW7RC6W	01-14.B117	DJ OUTERWEAR	25.98		
		12/10/22	1WJ3PFWGHQJV	01-11.B116	TAX FORMS	87.71		
		11/23/22	1WM714FJQR1F	01-12.B117	BS OUTERWEAR	108.01		
		11/20/22	1XT7PG31P91W	01-14.B117	JR WORK SHOES	145.94	1504.53	104510
AMERICAN NATIONAL SKYLINE	A000320	12/02/22	324930	01-11.B118	WINDOW CLEANING	61.00	61.00	104511
ATLAS BOBCAT, INC.	A000520	11/22/22	BT9653	01-12.B504	WHEEL LOADER PARTS	139.00	139.00	104512
ATLAS TOYOTA MATERIAL HANDLING	3 A000525	12/14/22	202212397989	01-12.B117	AG FORKLIFT TRAINING	130.13	130.13	104513
AUTOZONE - AZ COMMERCIAL	A000600	11/15/22	2576210613	01-12.B501	FUSE HOLDER/TRANSFER TANK	4.09		
		11/16/22	2576211282	01-11.C225	HONDA OIL CHANGE	11.99		

NAME	NUMBER	DATE	NUMBER	C/I MIMBED	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK N
NAME.	NUMBER	DAIL	NUMBER	G/L NUMBER	EAPENSE DESCRIPTION	EAPENSE	CHECK AMI	CHECK N
		11/17/22	2576211964	01-11.C225	AUTO PARTS	65.06		
		12/01/22	2576220850	01-15.B529	TRASH PUMP BATTERY	143.99		
		12/01/22	2576220854	01-15.B529	RETURN CREDIT	22.00-		
		12/02/22	2576221616	01-15.B529	RETURN CREDIT	121.99-		
		12/05/22	2576223618	01-15.B529	PORT PUMP REPAIR PARTS	34.07		
		12/08/22	2576225276	01-12.C225	OIL CHANGE SUPPLIES	187.48		
		12/08/22	2576225307	01-12.B116	WINDSHIELD WASHER FLUID	17.94		
		12/08/22	2576225339	01-12.C225	MAINT PLOW TRK REPAIRS	199.16	519.79	063920
BAXTER & WOODMAN, INC.	в000120	11/21/22	0240616	01-11.B124	NUTRIENT STUDY RAS DENIT	240.00		
		11/21/22	0240624	01-14.B902	OUTFALL CONSTRUCTION SVC	11456.04		
		11/21/22	0240634	01-14.B901	CURTISS ST CIPP LINING	1666.25		
		11/21/22	0240648	01-11.B118	ADMIN REMODEL REVIEW	2352.51		
		11/21/22	0240653	01-11.B124	MISC ENGINEERING SVCS	780.00		
		11/21/22	0240660	01-12.B812	WWTC & LS CODE REVIEW	197.50	16692.30	104514
BEAVER SHREDDING INC	в000123	10/31/22	56393	01-11.B120	DOCUMENT SHREDDING	144.00	144.00	063967
BRITTON ELECTRONICS &	B000340	08/23/22	2229329	01-15.B523	EARLSTON WELL LVL DETECT	904.69	904.69	104515
BUTTREY RENTAL SERVICE, INC.	в000500	11/10/22	320308	01-12.B513	CHP REPAIR EQUIP RENTAL	38.50	38.50	063921
DWAYNE CARPENTER	C000086	11/29/22	124802	01-14.B117	BOOT INSOLES	53.98	53.98	063922
CHICAGO METROPOLITAN FIRE	C000240	10/31/22	IN00396770	01-12.B113	SPRINKLER SYS TEST/INSPT	280.00	280.00	063923
CINTAS #344	C000300	11/01/22	4136085116	01-12.B117	WWTC UNIFORMS	71.20		
		11/01/22	4136085116	01-14.B117	SS UNIFORMS	19.17		
		11/08/22	4136748778	01-12.B117	WWTC UNIFORMS	71.20		
		11/08/22	4136748778	01-14.B117	SS UNIFORMS	19.17		
		11/15/22	4137441397	01-12.B117	WWTC UNIFORMS	74.58		
		11/15/22	4137441397	01-14.B117	SS UNIFORMS	19.17		
		11/22/22	4138306368	01-12.B117	WWTC UNIFORMS	71.20		
		11/22/22	4138306368	01-14.B117	SS UNIFORMS	19.17		
		11/29/22	4138823483	01-12.B117	WWTC UNIFORMS	72.89		
		11/29/22	4138823483	01-14.B117	SS UNIFORMS	19.17		
		12/06/22	4139519723	01-12.B117	WWTC UNIFORMS	71.20		
		12/06/22	4139519723	01-14.B117	SS UNIFORMS	19.17		
		12/13/22	4140246419	01-12.B117	WWTC UNIFORMS	71.20		
		12/13/22	4140246419	01-14.B117	SS UNIFORMS	19.17	637.66	063924
CINTAS FIRST AID & SAFETY	C000320	11/16/22	5133214316	01-11.B113	FIRST AID REPLENISH	185.16	185.16	063925
COLLEY ELEVATOR CO.	C000370	12/01/22	235353	01-12.B113	ELEVATOR INSPECTION SVC	817.00	817.00	104516
COMCAST	C000373	12/03/22	877120120055	01-11.B112	INTERNET BACK UP	119.90	119.90	063926
Comcast	C000375	12/01/22	161167019	01-11.B112	INTERNET SERVICE	830.00	830.00	063927
COMED	C000380	11/10/22	0055025057	01-15.B100	COLLEGE LS ELECTRIC	155.74		
		11/10/22	0068029014	01-15.B100	CENTEX LS ELECTRIC	17.99		
			0458029046		LIB PARK LS ELECTRIC	83.98		
			1810068039		EARLSTON LS ELECTRIC	39.61		
			3240038012		BUTTERFIELD LS ELECTRIC	13.60		
			6440572011		WALNUT HSE ELECTRIC	69.99		
			6440572011		BSSRAP YARD ELECTRIC USE	118.05		
			8762083052		BIG TOP ELECTRIC	112.43	611.39	063928
			0240639		WWTC PLC UPGRADES PHASE 2	2910.87		

====== VENDOR ======								
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		11/21/22	0240656	01-11.B115	2022-2023 SUPPORT SVCS	1914.83		
		11/21/22	0240656	01-12.B513	2022-2023 SUPPORT SVCS	3887.67		
		12/12/22	22024301	01-11.B115	KNOWB4 SEC TRAINING	3116.12		
		12/12/22	22024301	01-12.B513	SCADA T&M SUPP SVCS	1145.94	12975.43	104517
G COOPER OIL COMPANY INC.	C000470	11/29/22	35746	01-12.C225	DEF FLUID DRUM	293.00		
		11/29/22	35746	01-14.C225	DEF FLUID DRUM	293.00	586.00	063929
CORE & MAIN LP	C000485	10/27/22	R770218	01-12.B507	AERATE TANK 3 DRAIN VALVE	86.50		
		11/07/22	R844709	01-15.B526	NW PUMP INTAKE VALVES	4924.00	5010.50	063930
COVERALL NORTH AMERICA, INC	C000557	12/01/22	1010705521	01-12.B812	MSB CLEANING	304.00		
		12/01/22	1010705521	01-13.B116	LAB CLEANING	157.00		
		12/01/22	1010705522	01-11.B118	ADMIN CTR CLEANING	429.00	890.00	104518
JOHN CRANE INC.	C000560	12/05/22	23A040973	01-12.B505	EXC RS PUMP SEAL PARTS	485.32	485.32	063931
CUMMINS, INC.	C000650	12/09/22	F295255	01-12.B501	DUMP TRUCK SVC/REPAIRS	2496.91	2496.91	063932
CURTIS MARTIN GROUP, INC.	C000660	11/09/22	8570	01-11.B115	IT/CITYINSIGHT ASSISTANCE	600.00		
		12/02/22	8595	01-11.B115	DEBUG & FIX BILLING PROG	360.00	960.00	104519
DAHME MECHANICAL INDUSTRIES	D000030	12/13/22	20220482	01-12.B510	2NDARY 8&9 GATE REPAIRS	2680.00	2680.00	104520
DELTA SONIC	D000220	10/28/22	10664209	01-11.C225	ADMIN CAR WASH	8.33		
		10/28/22	10664209	01-13.C225	LAB CAR WASH	25.83		
		10/28/22	10664209	01-14.C225	SS CAR WASH	33.32		
		11/25/22	10687630	01-12.C225	WWTC CAR WASHES	24.99		
		11/25/22	10687630	01-14.C225	SS CAR WASHES	33.32	125.79	063933
THE REINALT-THOMAS CORPORATION	N D000260	11/09/22	4449680	01-14.C225	INSP TRUCK TIRES	1153.20		
		11/09/22	4449693	01-14.C225	SS TRUCK TIRES	1153.20		
		11/09/22	4449721	01-14.C225	LUG KIT FOR TIRES	180.00		
		12/09/22	4453887	01-14.C225	SS VAN TIRES	803.00	3289.40	063934
VILLAGE OF DOWNERS GROVE	D000480	12/02/22	3354	01-12.B113	ANNUAL EMERG DISPATCH	415.00		
		11/18/22	3933	01-11.C222	ADMIN FUEL	172.32		
		11/18/22	3933	01-12.C222	PLAINT FUEL	2416.00		
		11/18/22	3933	01-13.C222	LAB FUEL	90.12		
		11/18/22	3933	01-14.C222	SS FUEL	1972.48		
		11/18/22	3933	01-15.B104	GENERATOR FUEL	307.42		
		11/23/22	3939	01-12.B812	SIDEWALK REPLACEMENT	22400.00		
		12/02/22	4030	01-11.B121	NOV & DEC METER READINGS	883.86	28657.20	063935
EDWARD OCCUPATIONAL HEALTH	E000027	10/31/22	0015921500	01-11.B117	ADMIN FLU SHOTS	177.65		
		10/31/22	0015921500	01-12.B117	WWTC FLU SHOTS	248.71		
		10/31/22	0015921500	01-13.B117	LAB FLU SHOT	35.53		
		10/31/22	0015921500	01-14.B117	SS FLU SHOTS	142.11		
		11/30/22	0016027700	01-11.B113	RESPIRATOR REVIEW	525.00	1129.00	063936
Elmhurst Occupational Health	E000127	10/31/22	0015945300	01-11.B113	HEP B VACCINE	80.00		
		11/30/22	0016049000	01-11.B113	RESPIRATOR REVIEW	35.00	115.00	063968
EXODUS TECHNOLOGY SERVICE	E000480	11/19/22			OCTOBER IT/SUPPORT SVCS	1997.50	1997.50	063937
EYE MED VISION CARE	E000600		165543762		VISION INSURANCE	446.88	446.88	063938
FEDEX KINKO'S	F000075		94740000		LAB SUPPLIES	12.48	12.48	063939
FIRST ADVANTAGE	F000130		2501362211	01-12.B117		109.77	109.77	104521
FIRST ENVIRONMENTAL LAB	F000140	11/10/22			SURCHARGE BOD	115.20		
		, , _ 2						

===== VENDOR =====								
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		11/23/22	172447	01-13.B123	FALL NPDES ANALYSIS	1409.40		
		12/06/22	172649	01-13.B123	CLASS B SLUDGE	422.40		
		12/09/22	172718	01-13.B123	FALL INDUSTRIAL SAMPLING	792.00	2955.00	104522
ROLF FLECHSIG	F000165	12/08/22	REIMBURSE	01-12.B117	RF SAFETY GLASSES	164.88	164.88	104523
Foster's Test Lane	F000270	10/03/22	40934	01-12.C225	SAFETY INSPECTION	40.50	40.50	063940
FOX VALLEY SANDBLASTING &	F000295	11/21/22	53596	01-12.B512	SALT SPREAD BOX REPAIRS	875.00	875.00	063941
GEORGE'S LANDSCAPING	G000260	11/30/22	NOVEMBER2022	01-11.B118	ADMIN CTR MOWING	418.12		
		11/30/22	NOVEMBER2022	01-12.B812	WWTC MOWING	2691.44		
		11/30/22	NOVEMBER2022	01-15.B820	BUTTERFIELD LS MOWING	137.80		
		11/30/22	NOVEMBER2022	01-15.B821	CENTEX LS MOWING	137.80		
		11/30/22	NOVEMBER2022	01-15.B823	EARLSTON LS MOWING	137.80		
		11/30/22	NOVEMBER2022	01-15.B824	HOSBON LS MOWING	137.80		
		11/30/22	NOVEMBER2022	01-15.B825	LIB PARK LS MOWING	137.80		
		11/30/22	NOVEMBER2022	01-15.B826	NW LS MOWING	137.80		
		11/30/22	NOVEMBER2022	01-15.B827	VENARD LS MOWING	137.80		
		11/30/22	NOVEMBER2022	01-15.B828	WROBLE LS MOWING	137.80	4211.96	104524
V. W. GRAINGER, INC.	G000520	11/02/22	9500463857	01-12.B512	SEE SHEET	6.43		
		11/08/22	9505822586	01-12.B113	SEE SHEET	17.90		
		11/08/22	9506886945	01-12.B512	SEE SHEET	20.57		
		11/10/22	9509094703	01-12.B512	SEE SHEET	361.61		
		11/10/22	9509094711	01-15.B529	SEE SHEET	195.48		
		11/10/22	9509094729	01-12.B512	SEE SHEET	31.68		
		11/10/22	9510080386	01-12.B512	SEE SHEET	136.10		
		11/11/22	9510435317	01-12.B116	SEE SHEET	49.58-		
		11/11/22	9510583470	01-12.B116	SEE SHEET	49.58		
		11/11/22	9510876353	01-12.B113	SEE SHEET	165.30		
		11/16/22	9515210194	01-13.B116	SEE SHEET	280.18		
		11/17/22	9516523843	01-12.B502	SEE SHEET	89.32		
		11/17/22	9516523850	01-12.B512	SEE SHEET	193.97		
		11/17/22	9516523868	01-12.B512	SEE SHEET	23.10		
		11/17/22	9516523876	01-12.B512	SEE SHEET	72.80		
		11/17/22	9516523884	01-12.B113	SEE SHEET	59.76		
		11/17/22	9516523892	01-12.B117	SEE SHEET	22.42		
		11/21/22	9520658064	01-12.B117	SEE SHEET	10.17		
		11/21/22	9521005430	01-12.B113	SEE SHEET	4940.55		
		11/21/22	9521287442	01-13.B114	SEE SHEET	180.95		
		12/23/22	9523853662	01-12.B513	SEE SHEET	228.04		
		12/28/22	9525129334	01-12.B512	SEE SHEET	88.15		
		11/29/22	9526409496	01-13.B114	SEE SHEET	101.80		
		11/30/22	9529148190	01-13.B117	SEE SHEET	38.48		
		12/05/22	9533813482	01-12.B504	SEE SHEET	21.58		
		12/09/22	9539577784	01-12.B116	SEE SHEET	11.37		
		12/09/22	9539964859	01-12.B113	SEE SHEET	133.96		
		12/09/22	9539964867	01-12.B512	SEE SHEET	26.04		
		12/12/22	9541943677	01-12.B116	SEE SHEET	79.90	7537.61	104525
HACH COMPANY	H000040	11/18/22	13348866	01-13.B122	PUMP TUBING	1613.91		

====== VENDOR ======	======	===== IN	WOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		11/22/22	13353708	01-13.B114	AMTAX CHEMICALS	284.48	1898.39	104526
HARBOR FREIGHT TOOLS	н000060	11/14/22	02482656	01-12.B116	MAINT SUPPLIES	175.66	175.66	063942
HARRINGTON IND. PLASTICS LLC	н000090	11/16/22	02310821	01-12.B512	PVC FITTINGS/VALVES-HYPO	438.40		
		11/16/22	02310822	01-12.B512	PVC PIPE-HYPOCHLORITE	654.00	1092.40	104527
HOME DEPOT	н000400	12/12/22	1024741	01-14.B116	SEE SHEET	29.97		
		11/22/22	1615436	01-12.B512	SEE SHEET	320.57		
		11/11/22	2041657	01-12.B512	SEE SHEET	51.94		
		12/01/22	2043027	01-12.B512	SEE SHEET	109.55		
		11/19/22	4022036	01-14.B117	SEE SHEET	199.00		
		12/09/22	4022699	01-12.B505	SEE SHEET	49.98		
		11/09/22	4031700	01-12.B512	SEE SHEET	57.76		
		11/28/22	5021620	01-12.B116	SEE SHEET	18.96		
		11/18/22	5022015	01-14.B117	SEE SHEET	102.82		
		12/07/22	6022467	01-12.B116	SEE SHEET	34.90		
		12/06/22	7341405	01-12.B812	SEE SHEET	23.38		
		11/15/22	8041996	01-12.B116	SEE SHEET	155.76	1154.59	063943
HUDSON ENERGY SERVICES, LLC	н000495	12/09/22	S22120910001	01-15.B100	LS ELECTRIC	6340.52	6340.52	063944
IDEA MARKETING GROUP	1000030	12/01/22	R13937	01-11.B115	MONTHLY WEB HOSTING	95.00	95.00	063945
IMPACT NETWORKING INC.	1000400	11/21/22	278041	01-11.B115	COPIER SERVICE	77.00	77.00	104528
INFOSEND, INC.	1000415	11/30/22	225005	01-11.B121	MAILING SERVICES	4898.84	4898.84	104529
IPELRA	I000420	12/14/22	2023LSS4J000	01-11.B117	CS ADMIN SEMINAR	300.00	300.00	063969
INTERSTATE BATTERY SYSTEM	1000680	10/18/22	322007	01-12.B512	CORE CREDIT	150.00-		
		11/21/22	323513	01-15.B529	PORTABLE PUMP BATTERY	149.00		
		12/05/22	324166	01-15.B529	TRASH PUMP BATTERY	163.00	162.00	063946
KANSAS CITY LIFE INSURANCE CO	K000045	12/01/22	1038399	01-17.E455	LIFE INSURANCE	375.48	375.48	104530
LAI, LTD	L000012	11/18/22	2219506	01-12.B506	PRIM SLUDGE VALVE-STOCK	5140.16	5140.16	104531
LOU'S GLOVES	L000300	11/29/22	051136	01-12.B113	GLOVES	143.00	143.00	104532
MCMASTER-CARR SUPPLY COMPANY	M000360	11/10/22	87995586	01-15.B529	PORT PUMP TRAILER REPAIR	127.87		
		11/10/22	87997867	01-12.B512	SS CLAMPS RAS CLS LINE	303.76	431.63	104533
MICHAEL G PHILIPP, PC	М000510	11/07/22	1647	01-11.B124	LEGAL SERVICES	720.00		
		12/05/22	1668	01-11.B124	LEGAL SERVICES	630.00	1350.00	063947
MIDAMERICA ADMINISTRATIVE	м000556	08/07/22	MAR000002023	01-17.E455	2ND QTR ADMIN FEES	186.00		
			MAR000021364		3RD QTR ADMIN FEES	186.00	372.00	104534
NCPERS GROUP LIFE INSURANCE	N000010	11/01/22	3266122022	01-00.2017	LIFE INSURANCE	256.00	256.00	104535
NAPA AUTO PARTS	N000040	11/15/22	4343809340	01-14.C225	AUTO PARTS	81.16		
		11/15/22	4343809355	01-14.C225		3.80-		
		12/05/22	4343812199	01-14.B116	RAIN-X FOR TV CAMERA	10.49		
		12/05/22	4343812199		WIPER BLADES FOR TRANSIT	51.98	139.83	063948
NEOGEN CORPORATION	N000230		I1222263	01-13.B114	LAB CHEMICALS	341.71	341.71	104536
NEUCO, INC.	N000250	11/18/22			HEAT EXCH 1 BEAR ASSEMBLY			
			6349093		MUNTERS UNIT GAS VALVE	2476.47		
			6365775		MUNTERS REGULATOR	393.75		
			6371227		RETURN CREDIT	2476.47-		
			6371928		MUNTERS UNIT GAS VALVE	2476.47		
		12/07/22			HEAT EXCH 5 WTR PUMP MTR	1826.50	5105.34	104537
NICOD CAS	MUUUSSO						J±U3.34	10433/
NICOR GAS	иоооззо	11/14/22	15876210004	01-12.B101	PLANT GAS	304.82		

====== VENDOR ======		===== IN	NOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		11/14/22	44976210003	01-12.B101	PLANT 2 GAS	114.75		
		11/14/22	51006900008	01-12.B101	CHEM FEED GAS	78.99		
		11/14/22	54976210002	01-11.B101	ADMIN CTR GAS	162.91		
		11/14/22	87801017812	01-12.B101	WALNUT HSE GAS	100.27	761.74	063949
NISSEN ENERGY INC	N000350	11/16/22	292	01-12.B513	CHP SPARK PLUGS	2711.08		
		12/07/22	294	01-12.B513	CHP 2 SPARE PARTS	577.67	3288.75	104538
PACE ANALYTICAL	P000010	11/16/22	2240125116	01-13.B123	NOVEMBER NPDES MONTHLY	124.89	124.89	104539
PEERLESS NETWORK, INC	P000175	12/15/22	582944	01-11.B112	ADMIN PHONE SERVICE	345.31		
		12/15/22	582944	01-12.B112	PLANT PHONE SERVICE	786.46	1131.77	104540
PETTY CASH	P000350	12/08/22	CASH BOX	01-11.B117	SUPS LUNCH	76.48		
		12/08/22	CASH BOX	01-11.B119	POSTAGE	14.85		
		12/08/22	CASH BOX	01-12.B117	ST CDL REIMBURSE	30.00	121.33	063950
PIRTEK O'HARE	P000380	11/23/22	ВОТ00012013	01-12.B501	THREAD ADAPTOR	83.92	83.92	063951
PORTER PIPE AND SUPPLY CO.	P000420	11/22/22	1250407700	01-12.B811	HEX BUSHINGS	24.76	24.76	104541
CHARLES PREEN	P000600	12/02/22	REIMBURSE	01-12.B117	OUTER WEAR	53.76	53.76	063952
PRINCIPAL LIFE INSURANCE CO	P000650	12/01/22	109309910001	01-17.E455	DENTAL INSURANCE	2615.04	2615.04	104542
QUADIENT LEASING	Q000250	12/24/22	N6383894	01-11.B115	POSTAGE MACHINE	462.54	462.54	104543
RAPTOR TECH INC.	R000105	11/15/22	13000	01-12.B512	TUNNEL PIPING SUPPORT	331.00	331.00	104544
REGIONAL TRUCK EQUIPMENT CO.	R000166	11/16/22	274657	01-12.B512	PLOW MAINTENANCE	65.50	65.50	063953
RED WING SHOE STORE	R000180	11/21/22	124554	01-13.B117	SG BOOTS	203.99		
		12/09/22	125453	01-12.B117	SA BOOTS	203.99	407.98	104545
RENTALMAX ADMINISTRATION	R000250	11/10/22	5660615	01-12.B513	CHP REPAIR EQUIP RENTAL	53.76		
		12/02/22	5691095	01-12.B116	FORKLIFT FUEL	33.69	87.45	063970
Republic Services #551	R000264	11/15/22	055101555719	01-12.B102	GRIT SCREEN DUMPSTER	72.36		
		11/30/22	055101556808	01-12.B102	GRIT SCREEN DUMPSTER	771.96	844.32	063954
REVERE ELECTRIC	R000275	10/22/22	S4752787001	01-12.B505	BAR SCRN CONTROL SWITCH	330.90		
		11/22/22	S4782562001	01-12.B505	BAR SCN CNTRL SWITCH PART	92.14		
		11/30/22	S4787872001	01-12.B812	MAIN GATE WARN LIGHTS	1698.95		
		11/18/22	S4806384001	01-15.B529	PORT GEN PWR CORD UPGRADE	38.36		
		12/07/22	S4816846001	01-12.B812	WWTC ELEC CODE IMPROVE	577.03		
		12/07/22	S4816846002	01-12.B812	WWTC ELEC CODE IMPROVE	307.76		
		12/07/22	S4817270001	01-12.B812	MSB ELEC CODE IMPROVE	72.56		
			S4817270002		MSB ELEC CODE IMPROVE	592.33		
		12/07/22	S4817270003		MSB ELEC CODE IMPROVE	46.98	3757.01	063955
SAF-T-GARD INTERNATIONAL	S000040	11/15/22	18542901	01-14.B113	HI VIS GLOVES	72.17	72.17	063956
S. Schroeder Trucking, Inc.	S000059	11/22/22		01-12.B509		548.45	548.45	063971
SEAWAY SUPPLY CO.	S000200	11/14/22			WWTC SUPPLIES	223.90		
		11/21/22			MSB SUPPLIES	217.48		
			18921001		MSB SUPPLIES	37.98		
		11/30/22			MAINT REPAIR SUPPLIES	71.64		
		11/30/22			MAINT REPAIR SUPPLIES	289.19	840.19	104546
SEYFARTH SHAW	S000280	11/30/22			LEGAL SERVICES	275.00	275.00	104547
CARLY SHAW	S000280 S000305		23945967		MAINT POST ZIP RECRUITER	275.00	275.00	104547
SHERWIN-WILLIAMS CO.	\$000305	11/10/22			ELEC ENCLOSURE PAINT	28.19	28.19	104548
							28.19	104549
SITEONE LANDSCAPE SUPPLY	S000405		125241600001			166.60		
		11/14/22	125241600001	01-12.B812	ROCK SALT	166.60		

====== VENDOR =====		===== IN						
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		11/18/22	125352835001	01-11.B118	ICE AWAY ROCK SALT	144.55		
		11/18/22	125352835001	01-12.B812	ICE AWAY ROCK SALT	144.55	622.30	063957
SOLENIS LLC	S000450	11/07/22	132175725	01-12.B402	WAS THICKNER POLYMER	3192.80	3192.80	104550
SOUND INCORPORATED	S000480	12/01/22	D1362929	01-12.B513	SCADA 2 PHN LINE REPAIR	485.00	485.00	104551
SOUTHERN IONICS INCORPORATED	S000490	11/02/22	644447	01-12.B401	SODIUM BISULFITE	8167.31	8167.31	104552
STAPLES INC.	S000640	11/07/22	3524073238	01-11.B116	MM CALCULATOR	71.89		
		11/14/22	3524073239	01-11.B116	OFFICE SUPPLIES	72.67	144.56	104553
STENSTROM PETROLEUM	S000670	11/14/22	206951	01-12.B513	MANHOLE COVER	240.00	240.00	063958
STEPHENS PLUMBING AND	S000680	11/03/22	253091	01-14.B910	SHEAR REPAIR	415.50		
		11/07/22		01-14.B910	SHEAR REPAIR	385.00		
		12/06/22		01-14.B910	SHEAR REPAIR	482.20	1282.70	063959
SUBURBAN DOOR CHECK & LOCK	S000850		IN553880	01-12.B812	LAB DOOR LOCK REPAIR	44.00	44.00	104554
SUBURBAN LIFE PUBLICATIONS	S000867	11/30/22		01-11.B124	LEGAL PUBLICATION	165.10	165.10	063960
TERRACE SUPPLY COMPANY	T000250	11/30/22		01-12.B116	CYLINDER RENTAL	570.00	570.00	104555
USABLUEBOOK	U000150	11/08/22		01-13.B116	GRADUATED CYLINDERS	200.80	370.00	101000
OSABIOEBOOK	0000130	11/16/22		01-13.B116	GENPURE FILTERS	547.59		
		11/16/22		01-13.B114	LAB CHEMICALS	193.36		
		11/18/22		01-13.B114 01-13.B116	GENPURE CARTRIDGE	847.00	1788.75	063961
UNITED PARCEL SERVICE	U000300		00003Y009146		SHIPPING SERVICE	112.25	112.25	063962
		11/01/22		01-13.B116				104556
UNO CONSTRUCTION CO., INC.	U000450		NOVEMBER 2022	01-14.B910	BSSRAP PROGRAM	53735.65	53735.65	104556
VWR INTERNATIONAL INC.	V000030		8811360325	01-13.B114		285.83		
		11/17/22	8811365734	01-13.B116	VOL. FLASK	309.85	0046 54	0.500.50
		11/21/22	8811392208	01-13.B116	SALMONELLA TEST POUCHES	1451.06	2046.74	063963
VERIZON WIRELESS	V000135	11/28/22	9921693880	01-11.B112	ADMIN CELL SERVICE	256.95		
		11/28/22	9921693880	01-12.B112	PLANT CELL SERVICE	957.15		
			9921693880	01-13.B112	LAB CELL SERVICE	98.78		
		11/28/22		01-14.B112	SS CELL SERVICE	484.11		
		11/28/22	9921693880	01-15.B112	LS CELL SERVICE	277.02		
		12/01/22	9921865330	01-12.B112	PLANT TABLET SERVICE	118.05		
		12/01/22	9921865330	01-14.B112	SS TABLET SERVICE	87.48		
		12/01/22	9921865330	01-15.B112	LS TABLET SERVICE	36.01	2315.55	063964
WAGNER COMMUNICATIONS, INC	W000070	12/01/22	000027436971	01-11.B112	ANSWERING SERVICE	324.18	324.18	104557
WASTE MANAGEMENT SERVICES, IN	C.W000170	12/05/22	000634720098	01-12.B102	GARBAGE & RECYCLING	405.36	405.36	063972
WESTFAX	W000350	12/01/22	1407114	01-11.B112	FAX SERVICE	8.99	8.99	104558
WEST SIDE TRACTOR SALES CO.	W000380	11/08/22	C02064	01-12.B501	JOHN DEERE LOADER	79238.83		
		12/02/22	N31596	01-12.B512	SALT SPREADER OVERHAUL	1177.77		
		12/06/22	N31690	01-12.B501	AIR CLEANER	262.09		
		12/06/22	V05323	01-12.B501	JD LOADER REPAIR	2043.24	82721.93	063965
VILLAGE OF WESTMONT	W000450	11/23/22	717943	01-11.B121	METER READINGS	370.01		
		11/23/22	717944	01-11.B121	WATER SHUT OFFS	250.00	620.01	063966
					Total Payments:	316156.84	316156.84	
					ACH Payments Total:	156041.21	.00	
					•			



======== VENDOR ========		===== IN	NOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
AMERICLAIM INC.	A000305	04/22/22	1364626	01-14.B129	BURP CLAIM ADJUSTER	671.40	671.40	063916
CHASE	в000050	11/18/22	EMPLPR111222	01-00.2000	FEDERAL TAX WITHHELD	9028.80		
		11/18/22	EMPLPR111222	01-00.2002	EMPLY SOC SEC WITHHELD	6267.33		
		11/18/22	EMPLPR111222	01-17.E461	EMPLR SOC SEC WITHHELD	6267.36	21563.49	104481
CHASE	в000050	11/17/22	SUPVPR111522	01-00.2000	FEDERAL TAX WITHHELD	3823.41		
		11/17/22	SUPVPR111522	01-00.2002	EMPLY SOC SEC TAX	2464.02		
		11/17/22	SUPVPR111522	01-17.E461	EMPLR SOC SEC TAX	2464.03	8751.46	104486
CHASE	в000050	11/30/22	EMPLPR112622	01-00.2000	FEDERAL TAX WITHHELD	9329.24		
		11/30/22	EMPLPR112622	01-00.2002	EMPL SOC SEC TAX	6428.44		
		11/30/22	EMPLPR112622	01-17.E461	EMPLR SOC SEC TAX	6428.40	22186.08	104491
CHASE	в000050	12/01/22	SUPVPR113022	01-00.2000	FEDERAL TAX WITHHELD	3810.73		
		12/01/22	SUPVPR113022	01-00.2002	EMPLY SOC SEC TAX	2090.77		
		12/01/22	SUPVPR113022	01-17.E461	EMPLR SOC SEC TAX	2090.75	7992.25	104495
CHASE	в000050	12/13/22	EMPLPR121022	01-00.2000	FEDERAL TAX WITHHELD	9440.00		
		12/13/22	EMPLPR121022	01-00.2002	EMPLY SOC SEC TAX	6535.76		
		12/13/22	EMPLPR121022	01-17.E461	EMPLR SOC SEC TAX	6535.67	22511.43	104503
Michelle & Kevin Cooper	C000476	12/01/22	REFUND	01-05.3001	OVERPAYMENT REFUND	600.00	600.00	063917
CURRIE MOTORS	C000655	11/16/22	4192022	01-13.C226	LAB VEHICLE	22701.00	22701.00	063911
D.G. SANIT DIST #XXXXXXXXX1117	D000400	12/21/22	REIMBURSE	01-00.1001	PAYROLL ACCT REIMBURSE	205379.44	205379.44	104506
O.G. SANIT DIST #XXXXXXXXX1114	D000420	11/28/22	REFUNDS	01-05.3001	REFUNDS	2032.49	2032.49	104501
O.G. SANIT DIST #XXXXXXXXX1112	D000440	12/08/22	REIMBURSE	01-12.B117	WEBINAR SA/BM	50.00		
		12/08/22	REIMBURSE	01-14.B910	BSSRAP RODDING FEE	1295.00	1345.00	104500
DUPAGE CREDIT UNION	D000650	11/18/22	EMPLPR111222	01-00.2013	EMPL AUTHORIZED W/HOLDING	2419.00	2419.00	104480
DUPAGE CREDIT UNION	D000650	11/30/22	EMPLPR112622	01-00.2013	EMPL AUTHORIZED W/HOLDING	2419.00	2419.00	104490
DUPAGE CREDIT UNION	D000650	12/13/22	EMPLPR121022	01-00.2013	EMPL AUTHORIZED W/HOLDING	2419.00	2419.00	104502
Grace Espinosa	E000125	11/18/22	USER REFUND	01-05.3001	USER REFUND	800.00	800.00	063915
HEALTH CARE SERVICE CORP.	н000190	11/29/22	165585	01-17.E455	HEALTH INSURANCE	49107.53	49107.53	104488
HUDSON ENERGY SERVICES, LLC	н000495	11/17/22	S22110910001	01-15.B100	LIFT STATION ELECTRIC	7390.69	7390.69	063912
ILLINOIS DEPARTMENT OF REVENUE	I000240	11/18/22	EMPLPR111222	01-00.2001	STATE TAX WITHHELD	3781.52	3781.52	104482
ILLINOIS DEPARTMENT OF REVENUE	I000240	11/17/22	SUPVPR111522	01-00.2001	STATE TAX WITHHELD	1560.69	1560.69	104483
ILLINOIS DEPARTMENT OF REVENUE	1000240		EMPLPR112622		STATE STAX WITHHELD	3880.37	3880.37	104492
ILLINOIS DEPARTMENT OF REVENUE		12/01/22	SUPVPR113022		STATE TAX WITHHELD	1557.22	1557.22	104496
ILLINOIS DEPARTMENT OF REVENUE			EMPLPR121022		STATE TAX WITHHELD	3946.80	3946.80	104504
ILLINOIS MUNICIPAL		11/18/22			EMPL PENSION DEPOSIT	9742.33		
			PENSION		EMPL VOL PENSION DEPOSIT			
			PENSION		EMPLR VOL PENSION DEPOSIT		38628.23	104487
INVOICE CLOUD	I000750		607202211		BILLING PORTAL	576.00	576.00	104499
MIDAMERICA ADMIN HRA ACCOUNT			DOWGROHRAG5		HRA ACCT FUNDING	500.00	500.00	104489
PEERLESS NETWORK, INC		11/17/22			ADMIN PHONE SERVICE	365.84	300.00	101105
LILLIEGO METWORK, INC	1000113		575167		PLANT PHONE SERVICE	786.46	1152.30	063913
TRANSAMERICA RETIREMENT	T000415		EMPLPR111222		DEF COMP IPPFA	296.55	1132.30	003913
INAMBAMERICA RELIKEMENI	1000415							
			EMPLPR111222		DEF COMP ROTH IPPFA	200.00	C41 00	104404
EDANGAMEDIGA DESTENSIVE	m000415		EMPLPR111222		DEF COMP LOAN REPAY IPPFA		641.90	104484
FRANSAMERICA RETIREMENT	1000415		SUPVPR111522		DEF COMP IPPFA	115.68		
			SUPVPR111522		DEF COMP ROTH IPPFA	40.00		
		11/17/22	SUPVPR111522	01-00.2028	DEF COMP LOAN REPAY IPPFA	77.06	232.74	104485



===== VENDOR ====		===== IN	===== INVOICE ======						
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO	
TRANSAMERICA RETIREMENT	T000415	11/30/22	EMPLPR112622	01-00.2026	DEF COMP IPPFA	329.30			
		11/30/22	EMPLPR112622	01-00.2027	DEF COMP ROTH IPPFA	200.00			
		11/30/22	EMPLPR112622	01-00.2028	DEF COMP LOAN REPAY IPPFA	145.35	674.65	104493	
TRANSAMERICA RETIREMENT	T000415	12/01/22	SUPVPR113022	01-00.2026	DEF COMP IPPFA	115.68			
		12/01/22	SUPVPR113022	01-00.2027	DEF COMP ROTH IPPFA	40.00			
		12/01/22	SUPVPR113022	01-00.2028	DEF COMP LOAN REPAY IPPFA	77.06	232.74	104497	
TRANSAMERICA RETIREMENT	T000415	12/13/22	EMPLPR121022	01-00.2026	DEF COMP IPPFA	316.09			
		12/13/22	EMPLPR121022	01-00.2027	DEF COMP ROTH IPPFA	200.00			
		12/13/22	EMPLPR121022	01-00.2028	DEF COMP LOAN REPAY IPPFA	145.35	661.44	104505	
U.S. POSTAL SERVICE	U000130	12/01/22	REFILL	01-11.B119	POSTAGE REFILL	1000.00	1000.00	104498	
VAL-MATIC VALVE & MFG	V000090	12/01/22	411707	01-15.B529	AIR RELIEF VALVE PARTS	600.00	600.00	104494	
VERIZON WIRELESS	V000135	11/17/22	9919484761	01-12.B112	PLANT TABLET SERVICE	133.85			
		11/17/22	9919484761	01-14.B112	SS TABLET SERVICE	55.88			
		11/17/22	9919484761	01-15.B112	LS TABLET SERVICE	51.81	241.54	063914	
							========		
					Total Payments:	440157.40	440157.40		
					ACH Payments Total:	407752.77	.00		
				Ch	neck Payments Total:	32404.63	440157.40		



# 02 IMPROVEMENT FUND STANDARD CHECK REGISTER FOR 12/20/22

======= VENDOR ======		===== IN	VOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
BAXTER & WOODMAN, INC.	в000120	11/21/22	0240630	02-47.0504	CENTEX PS REPLACEMENT	350.00	350.00	104559
Berger Excavating Contractors,	В000137	11/16/22	2167.01A	02-47.0506	CENTEX PUMP STAT REPLACE	203946.30	203946.30	104560
						=======		
					Total Payments:	204296.30	204296.30	
					ACH Payments Total:	204296.30	.00	
				Ch	eck Payments Total:	.00	204296.30	
DATE								
REVIEWED								
TRUSTEE APPRO	OVAL							
				PRESIDENT				
				CLERK				



# ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 12/20/22

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-00.1000	CASH		756314.24-
01-00.1001	CASH - PAYROLL ACCOUNT	205379.44	
01-00.2000	FEDERAL TAX WITHHELD	35432.18	
01-00.2001	STATE TAX WITHHELD	14726.60	
01-00.2002	SOCIAL SECURITY WITHHELD	23786.32	
01-00.2003	IMRF WITHHELD	9742.33	
01-00.2013	CREDIT UNION WITHHELD	7257.00	
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	9141.44	
01-00.2017	VOLUNTARY GROUP LIFE	256.00	
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	1173.30	
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH	680.00	
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD	590.17	
01-05.3001	USER RECEIPTS	3432.49	
01-11.B101	NATURAL GAS	162.91	
01-11.B110	BANK CHARGES	30.90	
01-11.B112	COMMUNICATION	2282.98	
01-11.B113	EMERGENCY/SAFETY EQUIPMENT	1057.08	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	6625.49	
01-11.B116	SUPPLIES	257.25	
01-11.B117	EMPLOYEE/DUTY COSTS	1264.12	
01-11.B118	BUILDING AND GROUNDS	3571.78	
01-11.B119	POSTAGE	1014.85	
01-11.B120	PRINTING/PHOTOGRAPHY	144.00	
01-11.B121	USER BILLING MATERIALS	6978.71	
01-11.B124	CONTRACT SERVICES	4807.60	
01-11.C222	GAS/FUEL	172.32	
01-11.C225	OPERATION/REPAIR	85.38	
01-12.B100	ELECTRICITY	182.42	
01-12.B101	NATURAL GAS	598.83	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	1249.68	
01-12.B112	COMMUNICATION	2824.29	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	6972.47	
01-12.B116	SUPPLIES	1706.20	
01-12.B117	EMPLOYEE/DUTY COSTS	3014.34	
01-12.B401	CHEMICALS - DISINFECTION	8167.31	
01-12.B402	CHEMICALS - SLUDGE DEWATERING	3192.80	
01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	84129.08	
01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	89.32	
01-12.B504	EQPT/EQPT REPAIR - GRIT REMOVAL	160.58	
01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	958.34	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	5140.16	
01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	86.50	
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	548.45	
01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	5213.47	
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	5556.53	
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	12764.53	



# ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 12/20/22

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.B811	BLDG AND GROUNDS - TERTIARY TREATMENT	2894.98	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	29388.40	
01-12.C222	GAS/FUEL	2416.00	
01-12.C225	OPERATION/REPAIR	745.13	
01-13.B112	COMMUNICATION	98.78	
01-13.B114	CHEMICALS	1388.13	
01-13.B115	EQUIPMENT/EQUIPMENT REPAIR	88.26	
01-13.B116	SUPPLIES	3918.21	
01-13.B117	EMPLOYEE/DUTY COSTS	852.98	
01-13.B122	MONITORING EQUIPMENT	1613.91	
01-13.B123	OUTSIDE LAB SERVICES	3079.89	
01-13.C222	GAS/FUEL	90.12	
01-13.C225	OPERATION/REPAIR	25.83	
01-13.C226	VEHICLE PURCHASES	22701.00	
01-14.B112	COMMUNICATION	627.47	
01-14.B113	EMERGENCY/SAFETY EQUIPMENT	72.17	
01-14.B116	SUPPLIES	74.81	
01-14.B117	EMPLOYEE/DUTY COSTS	1354.01	
01-14.B129	REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGES	671.40	
01-14.B901	SEWER SYSTEM REPAIRS - I/I PROGRAM	1666.25	
01-14.B902	SEWER SYSTEM REPAIRS - REPLACEMENT	11456.04	
01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	56431.40	
01-14.C222	GAS/FUEL	1972.48	
01-14.C225	OPERATION/REPAIR	3796.37	
01-15.B100	ELECTRICITY	14042.13	
01-15.B104	FUEL - GENERATORS	307.42	
01-15.B112	COMMUNICATION	364.84	
01-15.B523	EQPT/EQPT REPAIR - EARLSTON	3466.77	
01-15.B526	EQPT/EQPT REPAIR - NORTHWEST	4924.00	
01-15.B527	EQPT/EQPT REPAIR - VENARD	28.19	
01-15.B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	1427.68	
01-15.B820	BLDG AND GROUNDS - BUTTERFIELD	137.80	
01-15.B821	BLDG AND GROUNDS - CENTEX	137.80	
01-15.B823	BLDG AND GROUNDS - EARLSTON	137.80	
01-15.B824	BLDG AND GROUNDS - HOBSON	3809.05	
01-15.B825	BLDG AND GROUNDS - LIBERTY PARK	137.80	
01-15.B826	BLDG AND GROUNDS - NORTHWEST	137.80	
01-15.B827	BLDG AND GROUNDS - VENARD	137.80	
01-15.B828	BLDG AND GROUNDS - WROBLE	137.80	
01-17.E455	EMPLOYEE GROUP HEALTH	53416.93	
01-17.E460	IMRF	19744.46	
01-17.E461	SOCIAL SECURITY	23786.21	
02-00.1000	CASH		204296.30-
02-47.0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVISN	350.00	
02-47.0506	CONSTRUCTION CONTRACTS AND PURCHASES	203946.30	=======================================
		960610.54	960610.54-
		300010.34	JUUU±U.J=

Vendor	Invoice Date	Amount	Coding	Coding Description	Purchase Location	Emp.	Procurement	Project Name (If applicable)	Item Description
Grainger	11/02/22	\$6.43	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	(2) Drill Bits
Grainger	11/08/22	\$17.90	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	AC		Safety Supplies	200pk Ear Plugs
Grainger	11/08/22	\$20.57	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Replacement Drill Bits (Worn out)	(5) Jobber Drill Bits
Grainger	11/10/22	\$361.61	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	RF		Tunnel Piping Support Replacements	Stainless Hardware & Anchors
Grainger	11/10/22	\$195.48	01-15.B529	EQUIP/EQUIP REPAIR - LIFT STATIONS GENERAL	Delivered	JPB		Portable generator power cord replacement	10 Ga Ext cord 50'(3)
Grainger	11/09/22	\$31.68	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	RF		Tunnel Piping Support Replacements	Stainless Hardware
Grainger	11/11/22	-\$49.58	01-12.B116	WWTC SUPPLIES	Delivered				Credit for men's waders
Grainger	11/11/22	\$49.58	01-12.B116	WWTC SUPPLIES	Delivered	MM			Replacement hip waders for BM
Grainger	11/11/22	\$165.30	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	MM			Disposable gloves for OPS
Grainger	11/10/22	\$136.10	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Cut off wheel(30), Flap Disc(10)
Grainger	11/16/22	\$280.18	01-13.B116	LAB SUPPLIES	Delivered	DRB			Flexible Spatula & Sampler Scoop
Grainger	11/16/22	\$89.32	01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	In-Store	RF	Grainger	Hypochlorite Feed Pump VFD	10A Fuse (4)
Grainger	11/17/22	\$193.97	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	RF	Visit	Tunnel Piping Support Replacements	Stainless Hardware & Anchors
Grainger	11/17/22	\$23.10	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	RF	То	Tunnel Piping Support Replacements	Stainless Washers
Grainger	11/16/22	\$72.80	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	RF		Tunnel Piping Support Replacements	Stainless Hardware
Grainger	11/16/22	\$59.76	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	AC		Safety Supplies	(22) Pairs of Safety Glasses
Grainger	11/17/22	\$22.42	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	In-Store	MR	Same	Employee Outerwear	Pair of Gloves (2)
Grainger	11/21/22	\$10.17	01-12.B117	EMPLOYEE/DUTY COSTS	Delivered	AC		Employee Outerwear	Pair of Gloves (2)
Grainger	11/21/22	\$4,940.55	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	JG			Safety Supplies
Grainger	11/21/22	\$180.95	01-13.B114	CHEMICALS	Delivered	DRB			Rappaport-vassiliadis
Grainger	11/28/22	\$88.15	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	MR		Electrical Repair Supplies	(5) 5 Pin 120 Volt Relays
Grainger	11/29/22	\$101.80	01-13.B114	CHEMICALS	Delivered	DRB			Ion Selective Electrode ACC Nitrate
Grainger	11/17/22	\$228.04	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	MM		CHP Gas sampling	Draeger tubes for H2S Sampling
Grainger	11/30/22	\$38.48	01-13.B117	EMPLOYEE/DUTY COSTS	Delivered	DRB			Winter Hat
Grainger	12/05/22	\$21.58	01-12.B504	EQPT/EQPT REPAIR - GRIT REMOVAL	Delivered	RF		Grit Blower 3 Repair	(2) Metric V-Belts
Grainger	12/09/22	\$11.37	01-12.B116	WWTC SUPPLIES	Delivered	MM			Insecticide repellent
Grainger	12/09/22	\$133.96	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	MM			Delineator with base
Grainger	12/09/22	\$26.04	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	12/12/22	\$79.90	01-12.B116	WWTC SUPPLIES	Delivered	JPB		Supplies	2" Printer Labels for DYMO Printer
Home Depot	12/12/22	\$29.97	01-14.B116	SEWER SYSTEM SUPPLIES	In-Store	BS			A&H OXI Powder
Home Depot	11/22/22	\$320.57	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	NW		Tool Replacement & Concrete Repair Supplies	DeWalt 20V Impact Gun (\$299.00) & Concrete Repair Supplies (\$21.57)
Home Depot	11/11/22	\$51.94	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	RF		Tunnel Piping Support Replacements	9/16" Drill Bit(2)
Home Depot	12/01/22	\$109.55	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	RF		Electrical Repair Supplies	20 Amp Receptacles, 1900 Boxes & Covers, Connectors
Home Depot	12/19/22	\$199.00	01-14.B117	EMPLOYEE/DUTY COSTS	In-Store	BS			Angel - Outerwear
Home Depot	12/09/22	\$49.98	01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	In-Store	AC		Manual Bar Screen Tool	Heavy Duty Spading Fork
Home Depot	11/09/22	\$57.76	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	RF			Metal Cutting Blades & Drill Bits
Home Depot	11/28/22	\$18.96	01-12.B116	WWTC SUPPLIES	In-Store	AC		Shop Supplies	(2) 4 Packs - Bungee Cords
Home Depot	11/18/22	\$102.82	01-14.B117	EMPLOYEE/DUTY COSTS	In-Store	BS			Alan - men's vest
Home Depot	12/07/22	\$34.90	01-12.B116	WWTC SUPPLIES	In-Store	JM		Supplies	(5) 50:1 Tru-Fuel for Chainsaw
Home Depot	12/06/22	\$23.38	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	RF		MSB Electrical Code Updating	GFCI Receptacles, Covers, Switch plates
Home Depot	11/15/22	\$155.76	01-12.B116	WWTC SUPPLIES	In-Store	ST			Snow Shovels for Plant

Date:	12/8/2022	Pe
Due Date:	12/20/2022	

**Purchased From** 

**CSWEA** 

Patrick & Sara Phelan

Reimburse

11/8/2022 Bruce & Dolores Monkman 11/17/2022 Patrick & Allyson Manion Petty Cash Checking Reimbursement

<b>5</b>			<b>61.1</b> 1
Description	Code	Amount	Ck No.
BSSRAP RODDING FEE	14B910	495	3819
BSSRAP RODDING FEE	14B910	400	3821
Webinar SA/BU	12B117	50	3820
BSSRAP RODDING FEE	14B910	400	3822

D-440

Total Receipts/Reimbursement 1345.00

Expense by code

Invoice #:

11/18/2022

11/18/2022

Date

14B9101295.0012B11750.00

**Total** 1345.00

12/8/2022 Petty Cash Reimbursement P - 350

Due Date: 12/20/2022

Invoice #: Cash Box

Date:

Date	Purchased From	Reimbursed To	Description	Code	Amount
11/8/22	Sec of State	Sam Tatulli	CDL Reimburse	12B117	30.00
11/11/22	US Post Office	US Post Office	Postage	11B119	5.85
11/17/22	Taco Dale		Sups Lunch	11B117	76.48
11/18/22	US Post Office	US Post Office	Postage	11B119	6.90
11/28/22	US Post Office	Megan	Postage	11B119	2.10
11/23/22	3 Corners	Reese	Lab Lunch	13B117	78.51
			Tota	l Receipts	199.84

## Expense by code

11B117	76.48
11B119	14.85
12B117	30.00
13B117	78.51

## DOWNERS GROVE SANITARY DISTRICT

#### MEMO

TO: Board of Trustees

FROM: Carly Shaw

Administrative Supervisor

DATE: December 20, 2022

RE: Schedule of Regular Meetings for 2023

Attached is the proposed Notice of Schedule of Regular Meetings for calendar year 2023. The February and March meetings always need to be at least 30 days apart to provide for at least 30 days public notice of the budget prior to approval. According to the draft schedule, the budget will be presented for review at the February 14 meeting and public notice will be published on February 15 of its availability for public inspection. Final approval of the budget will then be scheduled for March 21 which provides the 30 day minimum public notice period.

The September Board meeting is proposed to be held on the fourth Tuesday rather than the third Tuesday. This is due to a conflict with the Illinois Association of Wastewater Agencies (IAWA) Annual Conference in September.

This item will be on the agenda for the December meeting. If the Board concurs with the schedule, the Notice is provided to the local papers in accordance with the Illinois Open Meetings Act.

cc: KJR, RTJ, MJS, KWS, AJC, MGP

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



**General Manager** Amy R. Underwood

**Legal Counsel**Michael G. Philipp

2710 Curtiss Street P.O. Box 1412 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

#### December 21, 2022

# DOWNERS GROVE SANITARY DISTRICT NOTICE OF SCHEDULE OF REGULAR MEETINGS

The Downers Grove Sanitary District hereby gives notice that the regular meetings of the Board of Trustees shall be held on the following Tuesdays during calendar year 2023:

- January 17
- February 14
- March 21
- April 18
- May 16
- June 20
- July 18
- August 15
- September 26
- October 17
- November 21
- December 19

These meeting will be held at the Downers Grove Sanitary District Administration Center, 2710 Curtiss Street, Downers Grove, Illinois, and shall convene at 7:00 p.m. All Board of Trustees meetings are open to the public.

#### DOWNERS GROVE SANITARY DISTRICT

# MEMO

TO: Board of Trustees

FROM: Keith Shaffner

Sewer Construction Supervisor

DATE: December 13, 2022

RE: Annexation Ordinance No. AO 2022-17 - 297 and 299 60th Street,

**Downers Grove** 

This annexation involves two single family lots located at 297 and 299 60th Street. The sewer is in the south parkway between Fairview and Cumnor as indicated on the attached map. This project was approved by BOLI 9-21-21. This annexation does not need any right-of-way annexations to make the property contiguous. All tap fees and trunk sewer service charges have been paid as required by ordinance.

The subject ordinance will be presented to the Board for adoption at the December 20, 2022 Board meeting.

Attachments

CC: KJR, RTJ, MJS, ARU, CSS & MGP

#### ANNEXATION ORDINANCE NO. AO 2022-17

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

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

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

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

THE WEST HALF OF LOT 5 AND THE EAST HALF OF LOT 6 IN BLOCK 3 IN FAIRVIEW ACRES, BEING A SUBDIVISION OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF SECTION 16, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED APRIL 9, 1936 AS DOCUMENT NO. 368165, IN DUPAGE COUNTY, ILLINOIS.

P.I.N.'s: 09-16-302-012 and 09-16-302-013

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

PASSED and APPROVED by the President and Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT at their regular meeting held on the 20<sup>th</sup> day of December 2022.

		President	
ATTEST:			
	Clerk		

# Downers Grove Sanitary District Board of Local Improvements 297/299 W. 60th Street P707

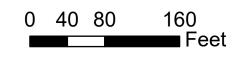


# Legend

Sanitary Manholes

→ Sanitary Sewer

DGSD Boundary





# PETITION FOR ANNEXATION

of certain property to

**DOWNERS GROVE SANITARY DISTRICT** 

Your Petitioner, SE CONSTRUCTION AND DEVELOPMENT LLC a/k/a SE CONSTRUCTION AND DEVELOPMENT LLC – MASTER SERIES, respectfully submits unto the President and Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT its Petition for Annexation of property owned by it to the DOWNERS GROVE SANITARY DISTRICT, and state the

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

THE WEST HALF OF LOT 5 AND THE EAST HALF OF LOT 6 IN BLOCK 3 IN FAIRVIEW ACRES, BEING A SUBDIVISION OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF SECTION 16, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED APRIL 9, 1936 AS DOCUMENT NO. 368165, IN DUPAGE COUNTY, ILLINOIS.

P.I.N.'S: 09-16-302-012 and 09-16-302-013

Property Address: 297 W. 60<sup>th</sup> Street, Downers Grove, Illinois 60516 and

299 W. 60th Street, Downers Grove, Illinois 60515

2. That the property is unimproved.

following:

3. That the above described property is contiguous to the corporate limits of the DOWNERS GROVE SANITARY DISTRICT and is in no way disqualified by the Statutes of the State of Illinois from being annexed to said District.

4. That your Petitioner is ready and willing to assume its proportionate share of the existing indebtedness, both bonded and otherwise, of the DOWNERS GROVE SANITARY DISTRICT.

5. That there is attached to this Petition and incorporated herein by reference, a Plat of Survey which sets forth the exact and particular location of the above described premises.

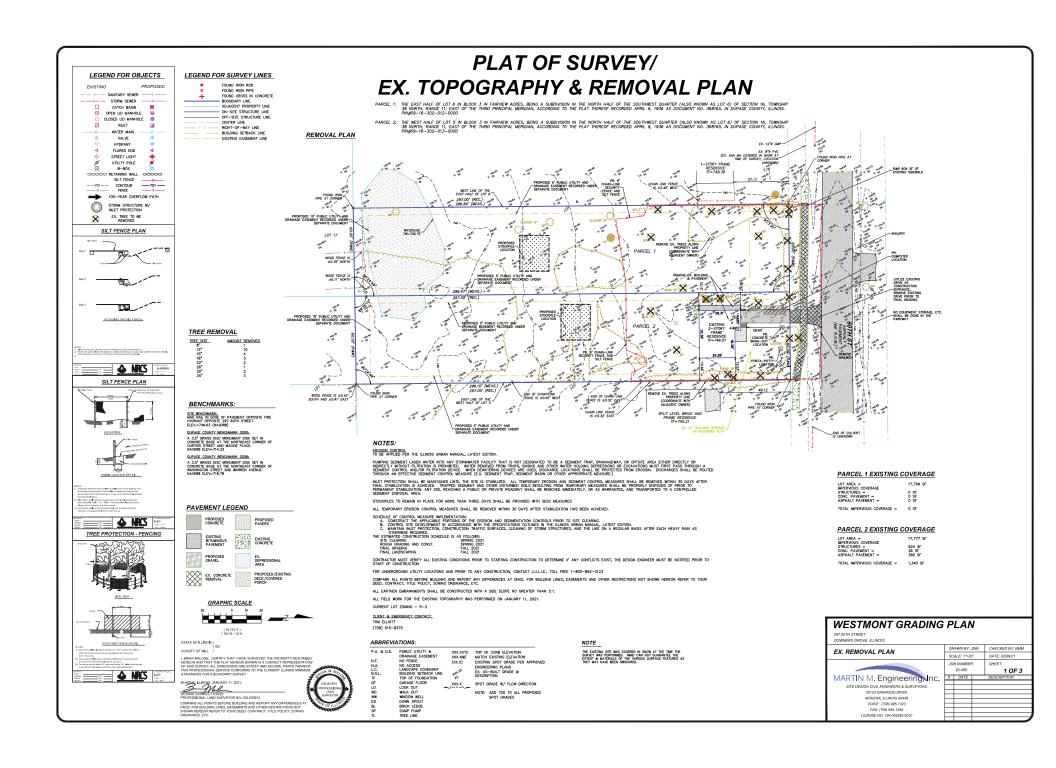
1

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

SE CONSTRUCTION AND DEVELOPMENT LLC, an Illinois limited liability company a/k/a SE CONSTRUCTION AND DEVELOPMENT LLC – MASTER SERIES, an Illinois series limited liability company

BY: 1. Elitt.
PRINTED NAME: T. Elliott
TITLE: OUNEV.
ATTEST:
BY:/A
PRINTED NAME: N/A
TITLE NA

STATE OF ILLINOIS )
) SS
COUNTY OF DUPAGE)
I, the undersigned, a Notary Public in and for the County and State aforesaid, DO HEREBY
CERTIFY that HOMAS ELLIOT as OWNER of SE CONSTRUCTION
AND DEVELOPMENT LLC, an Illinois limited liability company a/k/a SE CONSTRUCTION
AND DEVELOPMENT LLC - MASTER SERIES, an Illinois series limited liability company, and
as N/A of said limited liability company, personally
known to me to be the same persons whose names are subscribed to the foregoing instrument, as
such officers appeared before me this day in person and acknowledged that they signed and delivered
the said instrument as their own free and voluntary act, and as the free and voluntary act of said
company, for the uses and purposes herein set forth.
tompany, for the door and perpension for the first terms of the first
GIVEN under my hand and official seal this day of
Y. O Dellini
AFFIX NOTARY SEAL BELOW
Notary Public
KIMBEDI V B CIADDINI
KIMBERLY R GIARDINI OFFICIAL SEAL
Public Notary Public - State of Illinois
My Commission Expires ) February 04, 2025
1 - OSI daily 04, 2023

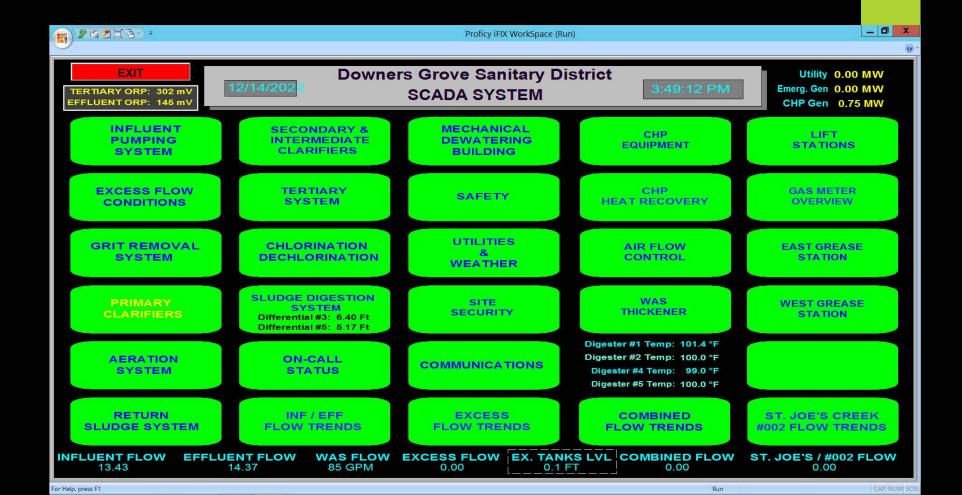


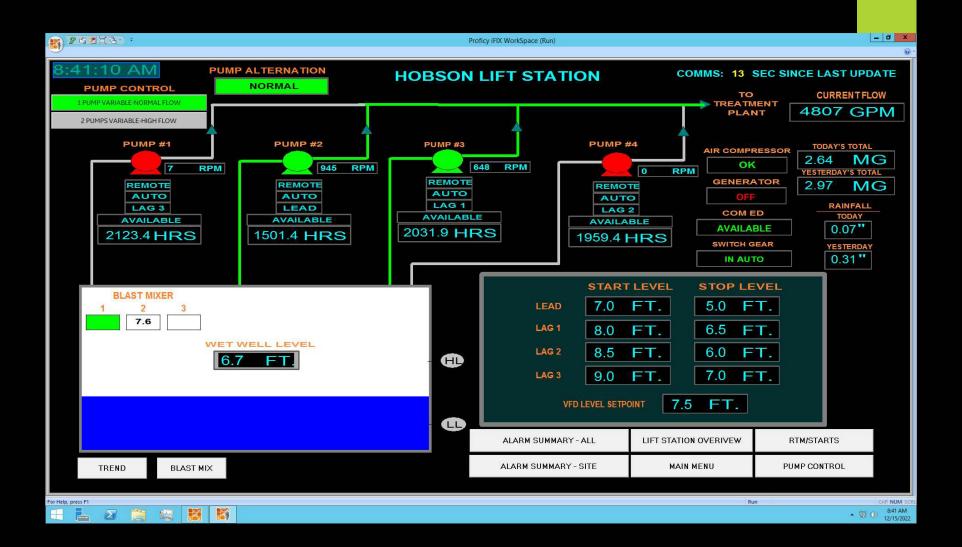
# SCADA System

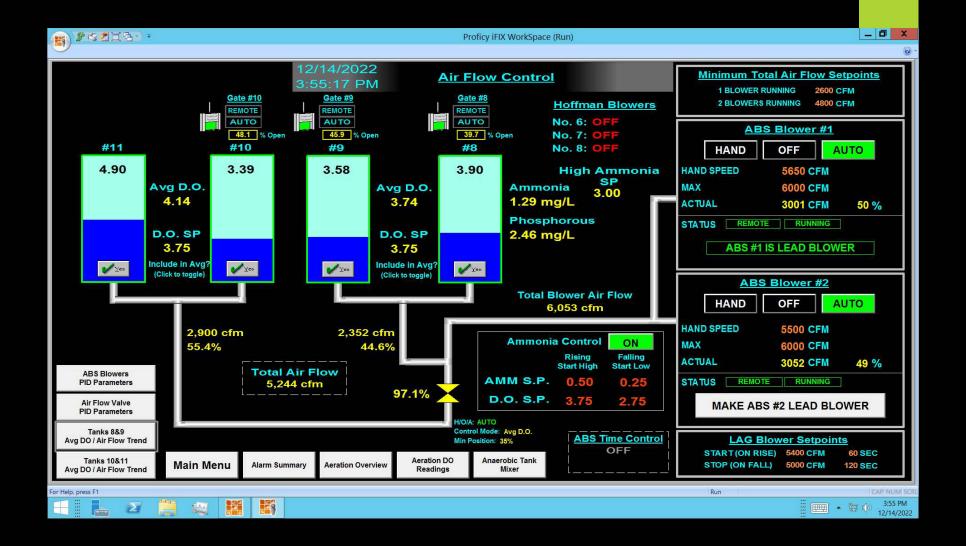
DOWNERS GROVE SANITARY DISTRICT DECEMBER 20, 2022

## SCADA

- Supervisory Control And Data Acquisition
- ▶ Installation started in 1998
- Allows Unmanned Operation
- Provides Precise Operation
- Records Operational Data









# System Architecture

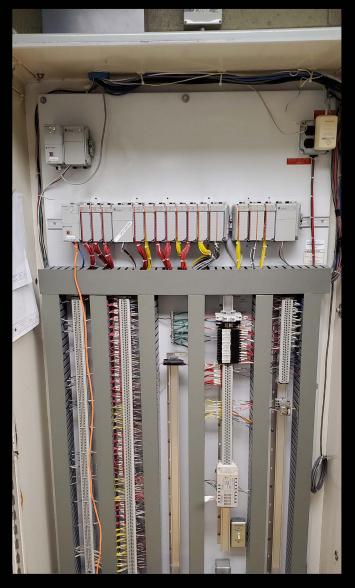
- Over 1600 Input/Output (I/O) Points
- 23 Allen-Bradley Program Logic Controllers (PLC)
- ▶ 11 Remote I/O Cabinets (RIO)
- GE Proficy HMI/SCADA iFIX Software
- Hach WIMS used to log and manage data
- Network Communications
  - Fiber Optic
  - ▶ Hardwired/CAT6
  - ► Cellular Lift Stations
- Networked with Administration IT Network
- Additional Network Devices (Cameras, Wi-Fi, Network Storage (NAS))

# Reliability and Redundancy

- Redundant high-speed connections for Lift Station communication
- Redundant SCADA Servers and Alarming Nodes
  - Setpoint changes, equipment status and operational data are automatically communicated between servers
  - Constant monitoring of each other for loss of communications
- Each SCADA PLC is programmed to provide local control independent of the system
- Uninterruptible Power Supply (UPS)
  - One in each PLC and RIO cabinet in the WWTC
  - ▶ Two at each Lift Station
- Data backup







# Update on SCADA Needs Identified at September 2019 Board Meeting

- Automate hypochlorite feed for excess flow
  - DONE
- Automate sludge operations for the Excess Flow Clarifiers
  - ▶ REPLACED CONTROL PANELS, Operations Supervisor decided not necessary to automate sludge operations
- SCADA PLC and I/O replacement
  - ▶ ONGOING, 2 panels completed in FY21-22
- Fiber replacement

## Future Items

- SCADA PLC and I/O replacement
  - ▶ To be completed over 5 years
  - Replacing all PLCs
  - Replacing Input/Output (I/O) components
  - Currently working on 6 panels
- Fiber replacement
- SCADA platform replacement
  - Unlimited licenses
  - Mobile application

#### DOWNERS GROVE SANITARY DISTRICT

#### <u>M E M O</u>

TO: Board of Trustees

FROM: Carly Shaw

Administrative Supervisor

DATE: December 9, 2022

RE: Administrative Services Progress Report – November 2022

#### **ADMINISTRATIVE**

#### Personnel

Samantha Gudewicz joined the District as our new lab analyst on November 21st.

Aaron Gutierrez also joined the District as our new Maintenance Mechanic on December 12<sup>th</sup>.

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

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

#### Technology Update

There have been no updates on our copper conversion for the elevators and SCADA lines. I have received two quotes, one from First Comm and the other from Call Tower, for a Microsoft Teams based phone system. I will be reviewing these with Chris Larson from Sound to see if either are a good fit to replace our current phone set up

The T-Mobile switch has been put on hold until we can review their full agreement. They have stated we would be eligible for priority service which means we would not lose service in the event of any outages. I am awaiting a call back from Verizon to see if they can do the same and if it will impact our rates.

Village of Downers Grove continues to delay the launch of their new billing system. Ketul Patel with Curtis Martin does continue to work on our software to ensure we can work with their solution. This has also caused further delay in the new online billing portal with City Insight. We continue to work with them and will be performing a test of the billing file uploads in early January. Once we know the Village's launch date and can ensure that goes smoothly with our system and all testing proves successful with City Insight, we will set a go live date for the new portal.

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

# of Customers registered in the last month:	119
# of Customers paying their bills online in the last month:	2,178

Amount of Money processed through the Portal in the last month:	\$161,102.14
# of Customers signing up for Autopay through the Portal in the last month:	119
# of Customers enrolled in paperless billing in the last month:	92
# of customers registered for pay by text in the last month:	31
Cost to District for providing Invoice Cloud service in the last month:	\$576.00
Cost to District's customers (convenience fees) in the last month:	\$3,567.21
Estimated Monthly savings from customers enrolled in paperless billing:	\$125.76
# of Customers registered from launch through last month:	7,693
# of Customers signing up for Autopay through the Portal from launch through last month:	3,563
# of Customers enrolled in paperless billing from launch through last month:	4,192
# of customers registered for pay by text from launch through last month:	2,385

#### **FINANCIAL**

#### Treasurer's Report and Investment Activity

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

#### **User Billing**

Detailed billing information is attached to this report.

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

#### **USER BILLING SUMMARY**

#### <u>User Charge System</u>

Billings for November 2022 were as follows:

User	\$332,122.17
Surcharge	24,897.68
Monthly fees	406,649.84
Total	\$763,669.69
Summer Usage Adjustment	\$22,230.54
Billable Flow	151,166,649
Budgeted Billable Flow	153,334,891
% Actual/Budgeted Billable Flow	98.59%
YTD Billable Flow	1,254,080,928
YTD Budgeted Billable Flow	1,249,976,580
% Actual/Budgeted Billable Flow	100.33%

The user accounts receivable balance on 11/30/2022 is \$734,351.17 and consists of:

Current charges due 12/15/2022	\$614,032.60
Past due charges and penalty	120,318.57
Total	\$734,351.17

The past due charges represent:

Age	<u>User Charges</u>	<u>Penalty</u>	<u>Totals</u>
30 days past due	\$51,702.21	\$5,959.86	\$57,662.07
60 days past due	14,889.01	2,190.28	17,079.29
90 days & greater past due	38,280.18	7,297.03	45,577.21
Totals	\$104,871.40	\$15,447.17	\$120,318.57

#### Summary of Past Due Charges (90 Days and Over)

#### Five Year Comparison

#### **NOVEMBER**

<u>Year</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
2022	\$38,280.18	\$7,297.03	\$45,577.21
2021	75,609.04	14,075.96	89,685.00 ***
2020	105,659.64	15,270.20	120,929.84 ***
2019	44,865.08	6,235.59	51,100.67 **
2018	42,682.50	4,931.46	47,613.96 *

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

#### Twelve Months Ending NOVEMBER 2022

Month Ending	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
11/30/22	\$38,280.18	\$7,297.03	\$45,577.21
10/31/22	35,087.27	6,856.09	41,943.36
9/30/22	41,581.27	8,469.98	50,051.25
8/31/22	38,182.42	7,914.98	46,097.40
7/31/22	38,067.35	8,003.01	46,070.36
6/30/22	35,801.73	7,550.71	43,352.44
5/31/22	38,626.36	8,031.01	46,657.37
4/30/22	38,411.53	7,913.94	46,325.47
3/31/22	55,139.44	10,814.13	65,953.57
2/28/22	69,604.77	13,159.15	82,763.92
1/31/22	77,774.61	14,061.89	91,836.50
12/31/21	75,563.02	14,423.46	89,986.48

There were 31 accounts scheduled for Pre-Enforcement on November 15, 2022 of which 20 have paid in full. There are 42 accounts scheduled for Pre-Enforcement on December 15, 2022 of which 10 account have already paid in full.

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

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

To: Amy Underwood, General Manager

From: Marc Majewski, Operations Supervisor

Re: Month of November 2022, WWTC Operations Report.

Date: December 13, 2022

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

Certain highlights of operational activities included:

- Monthly flow: Average daily flows to the plant were 6.57 MGD. Total precipitation at the WWTC was .80". There were no days of excess flow during the month of November. There were no days of discharge over 11 MGD.
- Activated sludge: Good operating performance was observed throughout the month of November. Floc formers are still predominating leading to good solids settling.
- Anaerobic Digesters: Pumped a total of 1,002,328 gallons of primary sludge, 254,877 gallons of TWAS, and 266,686 gallons of waste grease for a total of 1,532,891 gallons pumped to digesters. Total Volatile Solids destruction was calculated at 75.8 % for November.
- Digester gas: Total digester gas production was 5,443,783 cubic feet. 50,929 cubic feet of gas was used for anaerobic digestion heat, and 5,285,956 cubic feet was used in the CHP facilities. 31,230 cubic feet of flared gas was recorded during the month. The Munters dehumidifier used 75,667 cubic feet of gas.
- Biosolids: In the month of November, bio-mechanics distributed 46 dry tons of Class A biosolids, and 362 dry tons of Class B were land applied to farm fields. Drying season and public distribution is winding down for the season.
- Electricity: Overall net energy from ComEd was: -67,666 KW-Hrs. Electricity Generated by the CHP system was 406,807 KW-Hrs. Monthly net energy (including natural gas usage) was -47 MW-Hrs for the month of November.

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

#### Downers Grove Sanitary District November 2022

	WWTC Rainfall	B01 Parshall Flume Flow Max	B01 Parshall Flume Flow Min	B01 Parshall Flume Flow Avg (Daily Total)	A01 Parshall Flume Flow Max	A01 Parshall Flume Flow Avg (Daily Total)	C01 Int Clar #1 Flow Max	C01 Int Clar #1 Flow Avg (Daily Total)	Outfall 003 Flow Max	Outfall 003 Flow Avg (Daily Total)	Total Flow Leaving WWTC Avg (Daily Total)	Total Flow Leaving WWTC Max MGD	002 Outfall Flow Avg (Daily Total)
Date	inches	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD
11/1/2022	0.01	10.44	3.69	6.66	0.00	0.00	0.00	0.00	0.00	0.00	6.66	10.44	0.00
11/2/2022	0.00	16.01	0.45	6.28	0.00	0.00	0.00	0.00	0.00	0.00	6.28	16.01	0.00
11/3/2022	0.00	9.28	3.52	6.50	0.00	0.00	0.00	0.00	0.00	0.00	6.50	9.28	0.00
11/4/2022	0.14	9.71	3.53	6.74	0.00	0.00	0.00	0.00	0.00	0.00	6.74	9.71	0.00
11/5/2022	0.00	14.99	5.46	9.37	0.00	0.00	0.00	0.00	0.00	0.00	9.37	14.99	0.00
11/6/2022	0.00	11.41	4.78	7.53	0.00	0.00	0.00	0.00	0.00	0.00	7.53	11.41	0.00
11/7/2022	0.00	10.66	3.88	6.87	0.00	0.00	0.00	0.00	0.00	0.00	6.87	10.66	0.00
11/8/2022	0.00	9.35	3.93	6.91	0.00	0.00	0.00	0.00	0.00	0.00	6.91	9.35	0.00
11/9/2022	0.00	9.59	3.75	6.59	0.00	0.00	0.00	0.00	0.00	0.00	6.59	9.59	0.00
11/10/2022	0.00	9.55	3.66	6.50	0.00	0.00	0.00	0.00	0.00	0.00	6.50	9.55	0.00
11/11/2022	0.00	9.27	3.40	6.29	0.00	0.00	0.00	0.00	0.00	0.00	6.29	9.27	0.00
11/12/2022	0.00	9.60	3.40	6.22	0.00	0.00	0.00	0.00	0.00	0.00	6.22	9.60	0.00
11/13/2022	0.00	9.36	3.32	6.23	0.00	0.00	0.00	0.00	0.00	0.00	6.23	9.36	0.00
11/14/2022	0.00	9.16	3.19	5.93	0.00	0.00	0.00	0.00	0.00	0.00	5.93	9.16	0.00
11/15/2022	0.29	12.13	3.41	7.09	0.00	0.00	0.00	0.00	0.00	0.00	7.09	12.13	0.00
11/16/2022	0.11	10.77	4.56	7.85	0.00	0.00	0.00	0.00	0.00	0.00	7.85	10.77	0.00
11/17/2022	0.00	9.85	4.50	7.28	0.00	0.00	0.00	0.00	0.00	0.00	7.28	9.85	0.00
11/18/2022	0.00	11.43	4.17	6.79	0.00	0.00	0.00	0.00	0.00	0.00	6.79	11.43	0.00
11/19/2022	0.00	10.06	3.86	6.72	0.00	0.00	0.00	0.00	0.00	0.00	6.72	10.06	0.00
11/20/2022	0.00	9.78	3.74	6.70	0.00	0.00	0.00	0.00	0.00	0.00	6.70	9.78	0.00
11/21/2022	0.00	9.53	3.81	6.69	0.00	0.00	0.00	0.00	0.00	0.00	6.69	9.53	0.00
11/22/2022	0.00	9.84	3.62	6.49	0.00	0.00	0.00	0.00	0.00	0.00	6.49	9.84	0.00
11/23/2022	0.00	10.80	3.72	6.65	0.00	0.00	0.00	0.00	0.00	0.00	6.65	10.80	0.00
11/24/2022	0.00	11.41	3.32	6.31	0.00	0.00	0.00	0.00	0.00	0.00	6.31	11.41	0.00
11/25/2022	0.00	10.20	3.20	5.96	0.00	0.00	0.00	0.00	0.00	0.00	5.96	10.20	0.00
11/26/2022	0.00	9.76	3.46	6.24	0.00	0.00	0.00	0.00	0.00	0.00	6.24	9.76	0.00
11/27/2022	0.23	11.75	3.70	7.48	0.00	0.00	0.00	0.00	0.00	0.00	7.48	11.75	0.00
11/28/2022	0.00	9.71	3.77	6.75	0.00	0.00	0.00	0.00	0.00	0.00	6.75	9.71	0.00
11/29/2022	0.02	9.51	3.68	6.60	0.00	0.00	0.00	0.00	0.00	0.00	6.60	9.51	0.00
11/30/2022	0.00	9.59	3.67	6.53	0.00	0.00	0.00	0.00	0.00	0.00	6.53	9.59	0.00
Minimum	0.00	9.16	0.45	5.93	0.00	0.00	0.00	0.00	0.00	0.00	5.93	9.16	0.00
Maximum	0.29	16.01	5.46	9.37	0.00	0.00	0.00	0.00	0.00	0.00	9.37	16.01	0.00
Total	0.80	314.51	110.15	202.76	0.00	0.00	0.00	0.00	0.00	0.00	202.76	314.51	0.00
Average	0.03	10.48	3.67	6.76	0.00	0.00	0.00	0.00	0.00	0.00	6.76	10.48	0.00

#### Downers Grove Sanitary District November, 2022

	, , , , , ,										
	Tertiary Flow	MLSS Avg	Activated Sludge Inventory Lbs MLSS	Activated Sludge SRT Days	15 Minutes Aeration Settling %	30 Minutes Aeration Settling %	60 Minutes Aeration Settling %	Sludge Volume Index	System 1 RAS TSS	System 2 RAS TSS	Dupage River Outfall DO
Date	MGD		LBS	DAYS	mL/L	mL/L	mL/L	mL/g	mg/l	mg/l	mg/l
11/1/2022	6.66	2,680	83,150	19.07	29	22	20	82	5,712		8.2
11/2/2022	6.28	2,897	89,860	21.93	28	22	20	78		4,443	8.3
11/3/2022	6.50	2,803	86,945	19.48	27	22	19	79	5,809		
11/4/2022	6.74	2,621	81,305	17.07	27	21	19	80		4,594	
11/5/2022	9.37		81,305	17.08							
11/6/2022	7.53		81,305	16.95							
11/7/2022	6.87		81,305	17.01							8.6
11/8/2022	6.91	2,691	83,488	17.31	24	20	18	73	5,226		8.5
11/9/2022	6.59	2,369	73,484	17.42	23	18	17	78		4,064	8.4
11/10/2022	6.50	2,515	78,016	19.19	23	19	17	75	6,391		
11/11/2022	6.29	2,360	73,223	18.97	22	18	16	75		3,946	
11/12/2022	6.22		73,223	20.01							
11/13/2022	6.23		73,223	19.73							
11/14/2022	5.93	2,345	72,738	20.29	22	18	16	76		3,807	8.5
11/15/2022	7.09	2,366	73,411	21.16	22	17	16	73	1,358		8.4
11/16/2022	7.85	2,349	72,868	18.73	21	16	15	71		4,627	8.4
11/17/2022	7.28	2,262	70,162	18.40	21	17	15	75	4,258		
11/18/2022	6.79	2,102	79,860	18.78	19	16	15	77		4,420	
11/19/2022	6.72		65,207	21.12							
11/20/2022	6.70		65,207	26.60							
11/21/2022	6.69	2,177	67,527	34.50	22	17	16	79		3,427	8.7
11/22/2022	6.49	2,412	74,839	37.65	23	18	16	75	3,835		8.5
11/23/2022	6.65	2,593	80,446	30.49	23	18	16	68		4,534	8.5
11/24/2022	6.31		80,446	27.71							
11/25/2022	5.96		80,446	28.99							
11/26/2022	6.24		80,446	28.98							
11/27/2022	7.48		80,446	29.57							
11/28/2022	6.75	2,544	78,917	24.04	23	18	16	72		5,265	
11/29/2022	6.60	2,606	80,846	23.98	22	18	16	68	4,665		8.3
11/30/2022	6.53	2,790	86,560	23.89	23	18	17	66		5,503	8.3
			,			-				,	-
Minimum	5.93	2,102	65,207.12	16.95	19.24	16.24	15.00	66.25	1,358	3,427	8.2
Maximum	9.37	2,897	89,859.89	37.65	28.99	22.50	19.74	82.06	6,391	5,503	8.7
Total	202.76		2,330,206.17		446.61	354.66	320.26	1,420.74	37,254	48,630	109.6
Average	6.76	2,499	77,673.47	22.54	23.37	18.58	16.84	74.74	4,657	4,421	8.4

#### Downers Grove Sanitray District November, 202

	Tertiary Flow	Influent BOD 5	Primary Clarifier BOD 5	Intermediate Clarifier CBOD 5	Tertiary Effluent CBOD 5	Tertiary Effluent CBOD 5 Load	BOD 5 Removal %	Ambient Air Temp Min	Ambient Air Temp Max	Influent Flow Temp
Date	MGD	mg/l	mg/l	mg/l	mg/l		%	Deg F	Deg F	Deg F
11/1/2022	6.66	215	130	1.2	1.0	56	99.4	41	72	65.5
11/2/2022	6.28	202			0.7	37	99.4	40	74	65.3
11/3/2022	6.50	230	123	1.5	0.8	43	99.4	54	75	65.8
11/4/2022	6.74							62	74	
11/5/2022	9.37							45	71	
11/6/2022	7.53							45	63	
11/7/2022	6.87	185			0.7	40	99.2	38	58	65.1
11/8/2022	6.91	215	131	1.9	0.7	40	99.4	43	59	65.0
11/9/2022	6.59	226			0.7	38	99.5	48	73	64.6
11/10/2022	6.50	267	115	1.7	0.6	33	99.6	60	78	65.1
11/11/2022	6.29							33	61	
11/12/2022	6.22							33	38	
11/13/2022	6.23							25	39	
11/14/2022	5.93	226			0.7	35	99.4	23	44	64.2
11/15/2022	7.09	213	118	2.1	0.8	47	99.4	32	39	63.5
11/16/2022	7.85	168			0.8	52	99.1	33	36	64.0
11/17/2022	7.28	164	98	1.9	0.8	49	98.9	29	35	63.5
11/18/2022	6.79							21	31	
11/19/2022	6.72							17	29	
11/20/2022	6.70							14	36	
11/21/2022	6.69				0.9	50		26	49	62.9
11/22/2022	6.49	210	140	2.4	0.8	43	99.1	23	55	62.8
11/23/2022	6.65	205			0.7	39	99.0	32	60	62.8
11/24/2022	6.31	205			0.8	42	99.1	33	54	
11/25/2022	5.96							33	55	
11/26/2022	6.24							32	57	
11/27/2022	7.48							32	48	
11/28/2022	6.75	185			1.1	62	98.9	27	48	62.2
11/29/2022	6.60	212	140	2.9	1.0	55	99.2	35	59	62.2
11/30/2022	6.53	494			1.2	65	99.6	21	35	62.0
Minimum	5.93	164	98	1.2	0.60	33	98.9	14	29	62.0
Maximum	9.37	494	140	2.9	1.20	65	99.6	62	78	65.8
Total	202.76	3,822	995	15.6	14.80	827	1,687.5	1,087	1,603	1,086.5
Average	6.76	225	124	2.0	0.82	46	99.3	34	54	63.9

	Tertiary Flow	Influent TSS	Primary Clarifier TSS	Intermediate Clarifier TSS	Tertiary Effluent TSS	Tertiary Effluent TSS Load	TSS Removal %	Influent pH	Primary Clarifier pH	Tertiary Effluent pH	Intermediate pH
Date	MGD	mg/l	mg/l	mg/l	mg/l	lbs/day	%	SU	SU	SU	SU
11/1/2022	6.66	248	89	2.9	0.3	17	99.9	7.6	7.6	7.0	7.1
11/2/2022	6.28	195			0.3	16	99.8	7.5	7.3	6.9	7.0
11/3/2022	6.50	250	88	3.5	0.5	27	99.8	7.4	7.4	6.9	7.0
11/4/2022	6.74	190			0.2	11	99.9	7.6	7.4	6.9	7.2
11/5/2022	9.37	195			0.5	39	99.7				
11/6/2022	7.53	130			0.6	38	99.5				
11/7/2022	6.87	176			0.1	6	99.9	7.6	7.4	7.2	7.2
11/8/2022	6.91	192	86	3.4	0.2	12	99.9	7.6	7.7	7.0	7.1
11/9/2022	6.59	200			0.4	22	99.8	7.5	7.5	7.0	7.1
11/10/2022	6.50	232	55	3.4	0.5	27	99.8	7.6	7.6	7.0	7.1
11/11/2022	6.29	215			0.3	16	99.9	7.6	7.5	7.0	7.1
11/12/2022	6.22	190			0.2	10	99.9				
11/13/2022	6.23	180			0.2	10	99.9				
11/14/2022	5.93	276			0.7	35	99.7	7.5	7.5	6.9	7.0
11/15/2022	7.09	220	90	6.2	0.3	18	99.9	7.6	7.6	6.8	7.0
11/16/2022	7.85	172			0.5	33	99.7	7.6	7.5	6.9	7.0
11/17/2022	7.28	168	60	3.6	0.3	18	99.8	7.7	7.6	6.9	7.0
11/18/2022	6.79	180			0.3	17	99.8	7.6	7.5	6.9	7.1
11/19/2022	6.72	164			0.6	34	99.6				
11/20/2022	6.70	180			0.6	34	99.7				
11/21/2022	6.69	224			0.6	33	99.7	7.4	7.5	7.0	7.1
11/22/2022	6.49	164	89	4.8	0.4	22	99.8	7.5	7.7	7.0	7.1
11/23/2022	6.65	204			0.6	33	99.7	7.5	7.6	6.9	7.0
11/24/2022	6.31	180			0.2	11	99.9				
11/25/2022	5.96	160			0.2	10	99.9	7.6		6.9	
11/26/2022	6.24	240			0.9	47	99.6				
11/27/2022	7.48	188			0.6	37	99.7				
11/28/2022	6.75	160			0.6	34	99.6	7.6	7.4	6.9	7.0
11/29/2022	6.60	208	84	6.2	0.9	50	99.6	7.6	7.4	7.0	7.0
11/30/2022	6.53	430			0.6	33	99.9	7.6	7.5	6.9	7.0
Minimum	5.93	130	55	2.9	0.1	6	99.5	7.4	7.3	6.8	7.0
Maximum	9.37	430	90	6.2	0.9	50	99.9	7.7	7.7	7.2	7.2
Total	202.76	6,111	641	34.0	13.2	747	2,993.4	158.8	150.2	145.9	141.2
Average	6.76	204	80	4.3	0.4	25	99.8	7.6	7.5	6.9	7.1

Downers Grove Sanitary District November, 2022

# MONTHLY OPERATIONS REPORT PAGE 5

	Tertiary	Influent	Tertiary	Tertiary Effluent	Chlorine	Fecal
	Flow	Ammonia-N	Ammonia-N	Ammonia-N Load	Residual	Coliform
Date	MGD	mg/l	mg/l	lbs/day	mg/l	col/100ml
11/1/2022	6.66	26.32	0.10	5.6	0.02	6
11/2/2022	6.28	22.72	0.23	12.0		
11/3/2022	6.50	24.08	0.13	7.0		
11/4/2022	6.74					
11/5/2022	9.37					
11/6/2022	7.53	16.04	0.10	6.3		
11/7/2022	6.87	24.36	0.10	5.7		
11/8/2022	6.91	24.52	0.10	5.8		
11/9/2022	6.59	21.68	0.10	5.5		
11/10/2022	6.50	24.80	0.10	5.4		
11/11/2022	6.29					
11/12/2022	6.22					
11/13/2022	6.23	20.40	0.10	5.2		
11/14/2022	5.93	26.80	0.10	4.9		
11/15/2022	7.09	21.52	0.10	5.9		
11/16/2022	7.85	24.76	0.10	6.5	0.02	
11/17/2022	7.28	23.72	0.13	7.9		
11/18/2022	6.79					
11/19/2022	6.72					
11/20/2022	6.70	19.76	0.30	16.8		
11/21/2022	6.69	25.12	0.14	7.8		
11/22/2022	6.49	22.40	0.10	5.4		
11/23/2022	6.65					
11/24/2022	6.31	19.32	0.10	5.3		
11/25/2022	5.96					
11/26/2022	6.24					
11/27/2022	7.48	21.68	0.10	6.2		
11/28/2022	6.75	20.72	0.10	5.6		
11/29/2022	6.60	28.40	0.10	5.5		
11/30/2022	6.53	25.26	0.16	8.7	0.02	
Minimum	5.93	16.04	0.10	4.9	0.02	6.0
Maximum	9.37	28.40	0.30	16.8	0.02	6.0
Total	202.76	484.38	2.59	145.2	0.05	6.0
Average	6.76	23.07	0.12	6.9	0.02	6.0

SLUDGE DATA		0.54	0/	4 000 000	0 "
Primary Sludge	TS	2.54		1,002,328	
WAS to Thickener	TS	2.64		588,940	
TWAS to Digester 4	TS	5.43		254,877	
Hauled Grease to Digs	TS	8.30	%	266,696	Gallons
Anaerobically Digested Sludge					
Drying Beds	TS	2.87	%	156,240	
BFP	TS	2.51	%	579,665	Gallons
Lagoons	TS	2.80	%	84,000	Gallons
Total				819,905	Gallons
VS Destruction				75.8	%
Biosolids Disposal					
Class A Dis	tribution	Nov		46	Dry Tons
Class B	Hauling	Nov			Dry Tons
	Total	Nov		46	Dry Tons
Class A Dis	tribution	YTD		632	Dry Tons
Class B	Hauling	YTD		362	Dry Tons
	Total	YTD			Dry Tons
					•
ENERGY DATA					
Total Digester	Gas Prod	luction		5,443,783	SCF
Gas Volume per Vola				11.0	Cu.Ft./Lb.
<u>Digester Gas Utilization</u>					
	leat Excha	angers		50,929	SCF
	Dehumidif	•		75,667	
		CHP		5,285,956	
		Total		5,412,553	
Digester Gas Flared				31,230	
Natural Gas Consumed				0.,200	
<u>ivatarar Gao Gonicamoa</u>	١.	WWTC		23,700	SCF
	•	MSB		21,800	
	Chemica			19,700	
	_	Nalnut		11,600	
Kilowatt-hours Generated CHP	3000 1	valilut		406,807	
				-67,666	
Net energy from Comed				,	
Monthly net energy				-47	MWH
MISCELLANEOUS	James !	Nev		00	O. V-1-
	Removal	Nov			Cu. Yds
	Removal	YTD			Cu. Yds
Anaerobic Su	•			614,041	
Waste Activated	•				Gals/Day
City Water Co	nsumed			20,420	Gallons

Downers Grove Sanitary District

November, 2022

	Tertiary Flow	Influent Phosphorus	Tertiary Effluent Phosphorus	Influent Phosphorus Load	Tertiary Effluent Phosphorus Load	Phosphorus Removal %	Influent Nitrogen	Tertiary Effluent Nitrogen	Influent Nitrogen Load	Tertiary Effluent Nitrogen Load	Nitrogen Removal %	Tertiary Effluent Nitrate Grab
Date	MGD	mg/l	mg/l	lbs/day	lbs/day	%	mg/l	mg/l	lbs/day	lbs/day	%	mg/l
11/1/2022	6.66											
11/2/2022	6.28	5.51	4.12	320.3	215.77	25.2						
11/3/2022	6.50											32.42
11/4/2022	6.74											
11/5/2022	9.37											
11/6/2022	7.53											
11/7/2022	6.87											
11/8/2022	6.91						39.5	18.9	2,205.2	1,089.4	50.6	
11/9/2022	6.59											
11/10/2022	6.50											
11/11/2022	6.29											
11/12/2022	6.22											
11/13/2022	6.23											
11/14/2022	5.93											
11/15/2022	7.09											
11/16/2022	7.85											
11/17/2022	7.28											32.59
11/18/2022	6.79											
11/19/2022	6.72											
11/20/2022	6.70											
11/21/2022	6.69											
11/22/2022	6.49											
11/23/2022	6.65											
11/24/2022	6.31											
11/25/2022	5.96											
11/26/2022	6.24											
11/27/2022	7.48											
11/28/2022	6.75	4.48	3.71	240.0	208.9	17.2						
11/29/2022	6.60											
11/30/2022	6.53											
Minimum	5.93	4.48	3.71	240.0	208.9	17.2	39.5	18.9	2,205.2	1,089.4	50.6	32.42
Maximum	9.37	5.51	4.12	320.3	215.8	25.2	39.5	18.9	2,205.2	1,089.4	50.6	32.59
Total	202.76	9.99	7.83	560.3	424.7	42.4	39.5	18.9	2,205.2	1,089.4	50.6	65.01
Average	6.76	5.00	3.92	280.2	212.3	21.2	39.5	18.9	2,205.2	1,089.4	50.6	32.51

Permit

Permit #: IL0028380

DOWNERS GROVE SANITARY DISTRICT Permittee:

Major: Yes

2710 CURTISS STREET PO BOX 1412 Permittee Address:

DOWNERS GROVE, IL 60515

**Facility Location: 5003 WALNUT AVENUE** 

DOWNERS GROVE, IL 60515

001 **Permitted Feature:** 

External Outfall

Underwood

Discharge: 001-0

COMBINED DISCHARGE FROM A01, B01, & C01

Report Dates & Status

**Monitoring Period:** From 11/01/22 to 11/30/22 **DMR Due Date:** 12/25/22

Status:

Facility:

**NetDMR Validated** 

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

**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

No Data Indicator (NODI)

Last Name:

Form NODI:

	Parameter	<b>Monitoring Location</b>	Seasor	n # Param. NODI			Quan	ity or Loading					Quality or Concentr	ation			# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1 V	alue 1 Qualifier	2 Value 2	Units	Qualifier 1	1 Value 1	Qualifier 2	2 Value 2	Qualifier 3	Value 3	Units			
					Sample					=	8.4	=	8.2		8.2	19 - mg/L		03/DW - 3 Days Every Week	GR - GRAB
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req						Req Mon MO AV MN	l .	Req Mon MN WK A	V	Req Mon DAILY M	N 19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NOD														
					Sample							=	1.6	=	2.1	19 - mg/L		04/07 - Four Per Week	CP - COMPOS
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req							<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
00310	505, 5-day, 20 deg. 0	1 - Lilidelli Oloss	0		Value NOD														
					Sample						6.8				7.2	12 - SU		05/DW - 5 Days Every Week	GR - GRAB
					Permit Req					= >=	6.0 MINIMUM				9.0 MAXIMUM	12 - SU		DL/DS - Daily When Discharging	
00400	рН	1 - Effluent Gross	0							>=	0.0 IVIIIVIIVIOIVI			\ <u>-</u>	9.0 IVIAXIIVIOIVI	12 - 30	0	DL/D3 - Daily When Discharging	GR - GRAD
					Value NOD														
					Sample							=	0.4		0.6	19 - mg/L		05/DW - 5 Days Every Week	CP - COMPOS
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req							<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NOD														
					Sample							=	0.12	=	0.3	19 - mg/L		05/DW - 5 Days Every Week	CP - COMPOS
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req								Req Mon MO AVG		Req Mon DAILY M	X 19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NOD														
					Sample							=	3.92	=	4.12	19 - mg/L		02/30 - Twice Per Month	CP - COMPOS
00665	Phosphorus, total [as P]	1 - Effluent Gross	_		Permit Req								Reg Mon MO AVG		Req Mon DAILY M			DL/DS - Daily When Discharging	
00003	riiospiiorus, totai [as r]	1 - Elliuelli Gioss	U		Value NOD												0		
					Sample								0.02			19 - mg/L		03/30 - Three Per Month	CP - COMPOS
					Permit Req							= <=	0.75 MO AVG			19 - mg/L 19 - mg/L		DL/DS - Daily When Discharging	
50060	Chlorine, total residual	1 - Effluent Gross	0										0.70 1110 7110			10 mg/L	0	Daily Whom Bloomarging	g on one
					Value NOD														
					Sample										6.0	13 - #/100mL		01/30 - Monthly	GR - GRAB
74055	Coliform, fecal general	1 - Effluent Gross	0		Permit Req									<=	400.0 DAILY MX	13 - #/100mL	0	DL/DS - Daily When Discharging	g GR - GRAB
					Value NOD														
					Sample		=	202.75	80 - Mgal/mo									99/99 - Continuous	
82220	Flow, total	1 - Effluent Gross	0		Permit Req			Req Mon MO TOTAL	. 80 - Mgal/mo								0	99/99 - Continuous	
	Flow, total				Value NOD														

**Submission Note** 

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

**Edit Check Errors** 

No errors.

Comments

30 days of discharge. Zero 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: 2022-12-07 13:31 (Time Zone: -06:00)

Report Last Signed By

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

Date/Time: 2022-12-07 13:31 (Time Zone: -06:00)

Permit

Permit #: IL0028380

Permittee:

DOWNERS GROVE SANITARY DISTRICT

Permittee Address:

Title:

Facility: DOV Facility Location: 5003

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Major: Yes

2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515 5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

Permitted Feature: 00

002 External Outfall Discharge: 002-0

MIXING CHAMBER OVERFLOW TO ST JOSEPH CRK

Report Dates & Status

Monitoring Period: From 11/01/22 to 11/30/22

DMR Due Date: 12/25/22

Status: NetDMR Validated

**Considerations for Form Completion** 

W0430300002; NUMBER OF DAYS OF DISCHARGE:CS

**Principal Executive Officer** 

First Name: An

Underwood

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI:

Last Name:

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

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: 2022-12-07 13:31 (Time Zone: -06:00)

Report Last Signed By

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

Date/Time: 2022-12-07 13:31 (Time Zone: -06:00)

Permit

Major:

IL0028380 Permit #:

DOWNERS GROVE SANITARY DISTRICT Permittee:

2710 CURTISS STREET PO BOX 1412 **Permittee Address:** 

DOWNERS GROVE, IL 60515

**Facility Location:** 

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

**Permitted Feature:** 003

External Outfall

Discharge: 003-0

EXCESS FLOW TO ST JOSEPH CREEK

Report Dates & Status

**Monitoring Period:** From 11/01/22 to 11/30/22

Yes

**DMR Due Date:** 12/25/22

Status: **NetDMR Validated** 

**Considerations for Form Completion** 

W0430300002; NUMBER OF DAYS OF DISCHARGE:CS

**Principal Executive Officer** 

First Name: Amy

Last Name: Underwood Title: General Manager Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI:

	Parameter	Monitoring Location	Season #	# Param. NODI			Quantity	or Loading					Quality or Concentra	ation			# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1 Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	2 Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Sample Permit Req. Value NODI										Req Mon DAILY MN C - No Discharge	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Sample Permit Req. Value NODI							<=	30.0 MO AVG  C - No Discharge		45.0 WKLY AVG C - No Discharge	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00400	рН	1 - Effluent Gross	0		Sample Permit Req. Value NODI					>=	6.0 MINIMUM C - No Discharge			<=	9.0 MAXIMUM  C - No Discharge	12 - SU		DL/DS - Daily When Discharging	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0		Sample Permit Req. Value NODI							<=	30.0 MO AVG C - No Discharge		45.0 WKLY AVG C - No Discharge	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Sample Permit Req. Value NODI										Req Mon DAILY MX C - No Discharge	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00665	Phosphorus, total [as P]	1 - Effluent Gross	0		Sample Permit Req. Value NODI								Req Mon MO AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	0		Sample Permit Req. Value NODI							<=	0.75 MO AVG C - No Discharge			19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
74055	Coliform, fecal general	1 - Effluent Gross	0		Sample Permit Req. Value NODI									<=	400.0 DAILY MX C - No Discharge	13 - #/100mL		DL/DS - Daily When Discharging	GR - GRAB
82220	Flow, total	1 - Effluent Gross	0		Sample Permit Req. Value NODI			Req Mon MO TOTAL &	30 - Mgal/mo									DL/DS - Daily When Discharging	

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: 2022-12-07 13:31 (Time Zone: -06:00)

Report Last Signed By

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

Date/Time: 2022-12-07 13:31 (Time Zone: -06:00)

Permit

Major:

Permit #: IL0028380

Permittee: DOWNERS GROVE SANITARY DISTRICT

**Permittee Address:** 

2710 CURTISS STREET PO BOX 1412

DOWNERS GROVE, IL 60515

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

**Facility Location:** 

5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

**Permitted Feature:** 

A01 External Outfall

Underwood

Yes

Discharge:

A01-0 EXCESS FLOW FROM EXCESS FLOW CLARIFIERS

Report Dates & Status

**Monitoring Period:** From 11/01/22 to 11/30/22 DMR Due Date: 12/25/22 Status: **NetDMR Validated** 

**Considerations for Form Completion** 

W0430300002; NUMBER OF DAYS OF DISCHARGE:CS

**Principal Executive Officer** 

First Name:

Title: General Manager Telephone: 630-969-0664

No Data Indicator (NODI)

Last Name:

	Parameter	<b>Monitoring Location</b>	Season #	Param. NODI				Quantity or	Loading					Quality or Con	centration		# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1 Qu	ualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
					Sample														
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
	, ,, <u>,</u>				Value NODI											C - No Discharge			
					Sample														
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
	•				Value NODI											C - No Discharge			
					Sample														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
					Value NODI											C - No Discharge			
					Sample														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
					Value NODI									C - No Discharge	Э	C - No Discharge			
					Sample														
82220	Flow, total	1 - Effluent Gross	0		Permit Req.			Red	q Mon MO TOTAL	. 80 - Mgal/mo	ס							DL/DS - Daily When Discharging	g CN - CONTIN
					Value NODI			С	- 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: 2022-12-07 13:31 (Time Zone: -06:00)

Report Last Signed By

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

2022-12-07 13:31 (Time Zone: -06:00) Date/Time:

Permit

Permit #: IL0028380 Permittee:

DOWNERS GROVE SANITARY DISTRICT

Major: Yes Permittee Address:

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

2710 CURTISS STREET PO BOX 1412

DOWNERS GROVE, IL 60515

5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

**Permitted Feature:** 

B01 External Outfall

Underwood

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

Report Dates & Status

**Monitoring Period:** From 11/01/22 to 11/30/22

DMR Due Date: 12/25/22

Status: **NetDMR Validated** 

**Considerations for Form Completion** 

W0430300002; DMF LOAD LIMITS DISPLAYED.

**Principal Executive Officer** 

First Name:

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI:

Last Name:

	Parameter	Monitoring Location	Season	# Param. NOD			Qua	antity or Lo	ading					Quality or Conce	entration			# of Ex	. Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	2 Value 2	Units	Qualifier 1	1 Value 1	Qualifier	2 Value 2	Qualifie	r 3 Value 3	Units			
					Sample										=	63.3	15 - deg F		01/30 - Monthly	GR - GRAB
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0		Permit Req.											Req Mon MO MAX	X 15 - deg F	0	01/30 - Monthly	GR - GRAB
	Tomporatare, mater angli raminomen				Value NODI															
												0.4		0.0		0.0	40		00/DW 0 D F W	OD ODAD
					Sample						=	8.4 5.5 MO AV MN	=	8.2 4.0 MN WK AV	=	8.2 3.5 DAILY MN	19 - mg/L		03/DW - 3 Days Every Week	GR - GRAB GR - GRAB
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	1		Permit Req.						>=	5.5 IVIO AV IVIN	v >=	4.0 IVIN VVK AV	>=	3.5 DAILT WIN	19 - mg/L	0	02/DA - 2 Days Every Week	GR - GRAD
					Value NODI															
					Sample						=	6.8			=	7.2	12 - SU		05/DW - 5 Days Every Week	GR - GRAB
00400	nH	1 - Effluent Gross	0		Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	02/DA - 2 Days Every Week	GR - GRAB
00+00	pri	1 Lindon Gross			Value NODI															
					Sample										-	143.0	19 - mg/L		01/30 - Monthly	CP - COMPO
00410	Alkalinity, total [as CaCO3]	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY N	/IX 19 - mg/L	0	01/30 - Monthly	CP - COMPO
					Value NODI															
					Sample	_	24.9	=	49.55	26 - lb/d			=	0.4	=	0.9	19 - mg/L		05/DW - 5 Days Every Week	CP - COMPOS
00500	Callida (atal assaultad	4 544			Permit Req.		2202.0 MO AVG		4404.0 DAILY MX				<=	12.0 MO AVG	<=	24.0 DAILY MX	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS
00530	Solids, total suspended	1 - Effluent Gross	U															U		
					Value NODI															
					Sample										=	18.9	19 - mg/L		01/30 - Monthly	CP - COMPOS
00600	Nitrogen, total [as N]	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY N	ИХ 19 - mg/L	0	01/30 - Monthly	CP - COMPO
	<b>0</b> , <b>1</b> 1				Value NODI															
					Sample		6.91		16.76	26 - lb/d				0.12		0.3	19 - mg/L		05/DW - 5 Days Every Week	CP - COMPOS
								= <=	1376.0 DAILY MX				=	4.0 MO AVG	=	7.5 DAILY MX			02/DA - 2 Days Every Week	CP - COMPOS
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	10		Permit Req.		734.0 IVIO AVG	<=	1376.0 DAILT WA	20 - ID/U			<=	4.0 MO AVG	<=	7.5 DAILT WA	19 - mg/L	0	02/DA - 2 Days Every Week	CP - COMPO
					Value NODI															
					Sample										=	1.3	19 - mg/L		01/30 - Monthly	CP - COMPOS
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY N	/IX 19 - mg/L	0	01/30 - Monthly	CP - COMPO
00023	Nitrogen, Kjeldam, total [as N]	1 - Lilidelit Gloss	0		Value NODI													0		
					Sample										=	17.6	19 - mg/L		01/30 - Monthly	CA - CALCTD
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY N	/IX 19 - mg/L	0	01/30 - Monthly	CA - CALCTD
					Value NODI															
					Sample								=	3.92	=	4.12	19 - mg/L		02/30 - Twice Per Month	CP - COMPO
00005	Phoenhouse total [co. Pl	1 - Effluent Gross	0		Permit Req.									Req Mon MO A\		Req Mon DAILY N		0	01/30 - Monthly	CP - COMPOS
00000	Phosphorus, total [as P]	1 - Elliuent Gross	U		Value NODI									·				U	,	
					Sample								=	4.07	=	4.07	19 - mg/L		01/30 - Monthly	CP - COMPO
00666	Phosphorus, dissolved	1 - Effluent Gross	0		Permit Req.									Req Mon MO A\	/G	Req Mon DAILY N	ИХ 19 - mg/L	0	01/30 - Monthly	CP - COMPO
					Value NODI															
					Sample										_	158.0	19 - ma/l		01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon DAILY N				GR - GRAB
00940	Chloride [as Cl]	1 - Effluent Gross	0													Toq Won DAILT II	ing/L	0	0 1/00 Widiting	SIX SIXIB
					Value NODI															
					Sample										=	0.0	23 - %			
30500	Coliform, fecal - % samples exceeding limit	1 - Effluent Gross	0		Permit Req.										<=	10.0 MAXIMUM	23 - %	0		
55555	- Zampies exceeding initi	. Lindon Oross			Value NODI															
					Turus NODI															

50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	 Sample Permit Req. Value NODI	=	6.76 Req Mon MO AVG	=	9.37 Req Mon DAILY MX	03 - MGD ( 03 - MGD							0	99/99 - Continuous 99/99 - Continuous	
50060 Chlorine, total residual	1 - Effluent Gross	1	 Sample Permit Req. Value NODI									= <=	0.015 0.05 DAILY MX	19 - mg/L 19 - mg/L	0	CL/OC - Chlorination/Occurances CL/OC - Chlorination/Occurances	
80082 BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	 Sample Permit Req. Value NODI		45.93 1835.0 MO AVG	= <=	65.36 3670.0 DAILY MX	26 - lb/d 26 - lb/d	=	= <=	0.8 10.0 MO AVG	= <=	1.2 20.0 DAILY MX	19 - mg/L 19 - mg/L			CP - COMPOS CP - COMPOS

#### 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: 2022-12-07 13:31 (Time Zone: -06:00)

Report Last Signed By

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

Date/Time: 2022-12-07 13:31 (Time Zone: -06:00)

Permit

Major:

Permit #: IL0028380

Yes

Permittee: DOWNERS GROVE SANITARY DISTRICT

**Permittee Address:** 

2710 CURTISS STREET PO BOX 1412

DOWNERS GROVE, IL 60515

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

**Facility Location:** 

5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

**Permitted Feature:** 

C01 External Outfall

Underwood

Discharge: C01-0

EXCESS FLOW FROM INTERMEDIATE CLARIFIER #1

Report Dates & Status

**Monitoring Period:** From 11/01/22 to 11/30/22 **DMR Due Date:** 12/25/22 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

No Data Indicator (NODI)

Form NODI:

Last Name:

	Parameter	<b>Monitoring Location</b>	Season #	Param. NODI			Quantity of	or Loading				Quality or Con	centration		# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1 Qualifier 2	Value 2	Units Qualif	ier 1 Valu	ue 1 Qualifier 2	Value 2	Qualifier 3	3 Value 3	Units		
					Sample												
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req.									Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
	, ,,				Value NODI									C - No Discharge			
					Sample												
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.									Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
	Conso, Iour Guoponada				Value NODI									C - No Discharge			
					Sample												
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
	1				Value NODI	ı								C - No Discharge			
					Sample												
00665	Phosphorus, total [as P]	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
					Value NODI	ı						C - No Discharge	•	C - No Discharge			
					Sample												
82220	Flow, total	1 - Effluent Gross	0		Permit Req.		R	eq Mon MO TOTAL 80 -	Mgal/mo							DL/DS - Daily When Discharging	g CN - CONTIN
<b>-</b> 0					Value NODI	ı		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: 2022-12-07 13:31 (Time Zone: -06:00)

Report Last Signed By

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

2022-12-07 13:31 (Time Zone: -06:00) Date/Time:

#### **DMR Copy of Record**

Permit

Major:

Permit #: IL0028380

Permittee:
Permittee Address:

DOWNERS GROVE SANITARY DISTRICT

2710 CURTISS STREET PO BOX 1412

DOWNERS GROVE, IL 60515

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

**Facility Location:** 

5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

Permitted Feature:

INF Influent Structure

Yes

Discharge:

Title:

INF-L
INFLUENT MONITORING

Report Dates & Status

Monitoring Period: From 11/01/22 to 11/30/22

DMR Due Date: 12/25/22

Status: NetDMR Validated

**Considerations for Form Completion** 

W0430300002

Last Name:

**Principal Executive Officer** 

First Name: Amy

Underwood

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI:

	B (	88 1/2 1 1 1/2	0 "	D NODI			•							0 111 0				"		0 1 7
	Parameter	Monitoring Location	Season #	Param. NODI				intity or Loa						Quality or Cond				# of Ex	c. 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			
					Sample								=	225.0			19 - mg/L		09/99 - See Permit	CP - COMPOS
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	!	Permit Req.									Req Mon MO AVG	i		19 - mg/L	0	09/99 - See Permit	CP - COMPOS
	, , , , , , , , , , , , , , , , , , ,	J			Value NODI															
					Sample								=	204.0			19 - mg/L		09/99 - See Permit	CP - COMPOS
00530	Solids, total suspended	G - Raw Sewage Influent	0	]	Permit Req.									Req Mon MO AVG	i		19 - mg/L	0	09/99 - See Permit	CP - COMPOS
	,			Value NODI																
					Sample										-	39.5	19 - mg/L		01/30 - Monthly	CP - COMPOS
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	]	Permit Req.											Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
		J			Value NODI															
					Sample										=	5.51	19 - mg/L		01/30 - Monthly	CP - COMPOS
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	]	Permit Req.											Req Mon DAILY MX	19 - mg/L	. 0	01/30 - Monthly	CP - COMPOS
	. Hoophistas, total [ao : ]				Value NODI															
					Sample =	=	6.57	=	9.21	03 - MGD									99/99 - Continuous	
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	: 0		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: 2022-12-07 13:30 (Time Zone: -06:00)

Report Last Signed By

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

Date/Time: 2022-12-07 13:31 (Time Zone: -06:00)

#### DOWNERS GROVE SANITARY DISTRICT

#### MEMO

TO: Amy Underwood, General Manager

FROM: Jeff Barta, Maintenance Supervisor

DATE: December 15, 2022

SUBJECT: November 2022 Maintenance Report

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

Special projects in November included:

#### **Tunnel Piping Support Repairs – Aeration Tanks 1-11**

In preparation for the 2022 tunnel painting services work, there were some deteriorated piping supports in the tunnel that needed to be replaced along with miscellaneous concrete repairs, and some piping replacement. The overall length of these two (2) sections of our tunnel underground system is approximately 450 feet long.

District staff replaced numerous sections of deteriorated vertical and horizontal steel piping supports along with 30 plus stainless steel vertical support bases that were fabricated in-house. These vertical support bases (if purchased) were \$121.00 each or \$3,630.00 for 30 pieces. We fabricated 50 bases, enough for this project and approximately 20 spares with some existing stainless material we had in stock. The only thing besides our labor that we outsourced was some sheering of our stainless plates and welding rod from Raptor Tech. The total cost related to these 50 stainless steel bases was only \$331.00.

In addition to the piping support repairs and replacement, we also replaced a 300' long section of 1-1/2" chlorine piping that was leaking and repaired several sections of cracked and spalling concrete. The total cost of all these repairs to prepare for the painting project including purchases from Porter Pipe, McMaster Carr, Grainger & Raptor Tech was \$4,303.08.

Note: The 2022 tunnel painting services project is now complete.

#### Sand Filter Building Dehumidification – Munters Unit Gas Valve Replacement

One of the 2-1/2" motorized gas valves on our gas fired dehumidifier failed and needed to be replaced. We reached out to the manufacturer (Munters) to inquire on pricing and availability. Their proposal was \$2,849.60, but it was on back order until October 2023. Fortunately, a local vendor (Neuco) that we purchase HVAC items from frequently had a motorized gas valve in stock that would work with our methane gas. In addition to the motorized gas valve, we also needed to replace one of the gas pressure regulators. Both items were purchased from Neuco in the total amount of \$2,861.22.

District staff modified the existing gas train piping to accommodate the new motorized gas valve and replaced the gas regulator. I'm pleased to report the Munters dehumidifier is back in operation and running as expected.

#### CHP 1 – Cylinder Head & Turbo Replacement

The turbo charger was due to be replaced since we have reached 12,000 hours of engine operation. This was a planned maintenance that was budgeted for this fiscal year. The total cost for the turbo charger replacement was \$13,224.68.

During a routine 1,200-hour maintenance, District staff discovered that two (2) of the cylinder head valve stem measurements were out of specification. These out of specification measurements were confirmed by Michael Nissen during a site visit. Nissen provided the District with the materials to perform the cylinder head replacement, and all labor was performed in-house by District staff. We completed this task at the same time the turbo charger was replaced because both jobs required the engine off, cooled down and the coolant drained.

After the above-mentioned repairs were completed, the CHP was put back online, and it is operating as expected.

We are currently waiting for acceptance on the warranty claim submitted by Nissen to the engine manufacturer Man Engine. The total cost for the cylinder head replacement would normally be \$6,456.48. Although, we anticipate this cost to be 100% covered under the warranty. We will also request reimbursement for our labor hours for the cylinder head replacement portion of the repair.

#### Secondary Clarifiers 8&9 - Inflow Sluice Gate Repairs

There are three (3) sluice gates in a flow distribution chamber between aeration tanks 10 & 11 and secondary clarifiers 8 & 9. All three of these gates needed adjustments and repairs. The required parts were purchased from JM Process a couple of months ago. The parts included one (1) new stainless-steel stem with new lifting & stop nuts for the inflow gate into secondary clarifier 8, gate operator adaptors for the three (3) sluice gates, and three (3) new manual gate operators.

After District staff set up portable pumping equipment to bypass the flow from the aeration tanks and to drain the secondary clarifiers, Dahme Mechanical was able to access the flow distribution chamber to replace the sluice gate stem and the mechanical gate operators. Once all the new parts were installed, Dahme Mechanical focused on adjusting the sealing wedges and tested the gate operation.

The total cost for these gate repairs was \$8,775.00. (JM Process \$6,095.00 & Dahme Mechanical \$2,680.00)

# Work Order Summary

Work Order Completion Dates from 11/1/2022 to 11/29/2022

Work Assignment	Completion Date	Equipment	NOTATIONS
Fabricate & Install new drive chain covers for Long & Cross collectors.	01-Nov-22	Primary Clarifier 1	Fabricated and installed new chain guards for Primaries 1-6 long & cross collectors.
		Primary Clarifier 2	
		Primary Clarifier 3	
		Primary Clarifier 4	
		Primary Clarifier 5	
		Primary Clarifier 6	
13,194 Hours. Perform 1,200 hour maintenance on engine genset.	02-Nov-22	CHP Engine Genset #1	Performed all aspects of the 1200 hour maintenance on engine genset.
Qt. Valves and Gates Excercise		Excess Flow 003 Valves	
ANNUAL OIL CHANGE AND GREASE ON EXCESS TANK CROSS COLLECTORS 1-4		Excess Flow Clarifier 1	
		Excess Flow Clarifier 2	
		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	
Install new cover access ladder.	03-Nov-22	2 Digester 1 Cover	Modify to fit & install new staircase style access ladder on the cover.
Effluent cooling water pump check valve failed. Repair or replace.		Emergency Generator 3	Replaced check valve with new. Modified PVC piping to accommodate new check valve.
Six Month Oil Change Primaries 3 & 4 Long & Cross Collector		Primary Clarifier 3	
		Primary Clarifier 4	
Monthly Cross Collector Check	04-Nov-22	Primary Clarifier 3	
		Primary Clarifier 4	
		Primary Clarifier 5	
		Primary Clarifier 6	
		Primary Clarifier 7	
		Primary Clarifier 8	
		Primary Clarifier 9	
Flush Pearth 2 with 3 oz of Kerosene/Oil mixture	07-Nov-22	2 Digester 2 Mixing System	
Annual Oil Change Gear Reducer, North Bridge		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	
Replace worn scraper blades on both bar screens with new.	08-Nov-22	Bar Screen 1	Replaced rubber scraper blades on both bar screens with new.
A MONTH EVEN CICE OF		Bar Screen 2	
2 MONTH EXERCISE OF INTERMEDIATE VALVES		Excess Flow Pump Station	
Perform acid clean of anode & cathode plates.		Hypochlorite OSEC Generator	Cleaned cells with acid solution. Drained and rinsed OSEC. Filled and tested when complete.
2 MONTH EXERCISE OF INTERMEDIATE VALVES		Intermediate Sludge Pump 1	

Thursday, December 15, 2022

Work Assignment	Completion Date	Equipment	NOTATIONS
		Intermediate Sludge	
Repair or replace skimmer trough		Pump 2 Primary Clarifier 9	Replaced actuator lever with new assembly fabricated with
actuator lever.		Times Ciminos	stock materials.
Replace wear plate on Auger #5	09-Nov-22	2 2019 AUGER DAWG G- 30 3F052	
Lubricate skid steer and attachment mechanisim		2019 Skid Steer	
3,314 Hours. Replace turbo charger due to run time.		CHP Engine Genset #1	Removed and replaced turbo charger with new.
Monthly Liquid Status of Under Ground Diesel Tank		Emerg Gen Diesel Storage Tank	
Six Month Oil Change Secondaries 3 - 5		Secondary Clarifier 3	
		Secondary Clarifier 4	
		Secondary Clarifier 5	
3 Month check and repair of Belt Press Ventilation Fans	10-Nov-22	2 Belt Filter Press Building	3 Month check & repair all ventilation fans at Belt Filter Press Building.
13,314 Hours. 700 Hour oil change.		CHP Engine Genset #1	Change oil and oil filters. Took oil sample & sent to lab for analysis. Sample# IND-66443.
Check STR 700, 721, 741, clean as needed.		CHP Gas Cleaning System	
Battery and battery tender require replacement.		Earlston Stationary Generator	Found coolant level low, refilled and alarm cleared. Coolant level alarm is same wire as coolant temp. Altorfer rewired & programmed alarm, replaced leaking sensor, heater hoses, & eliminated remote adj.
Cylinder heads 2 & 6 require replacement.	11-Nov-22	2 CHP Engine Genset #1	Removed & replaced cylinder heads 2 & 6 due to out of spec valve stem measurements.
Grease Raw Sewage And Excess Flow Pumps		Excess Flow Pump 06	
		Excess Flow Pump 07	
		Excess Flow Pump 08	
		Excess Flow Pump 09	
		Raw Sewage Pump 1	
		Raw Sewage Pump 2	
		Raw Sewage Pump 3	
		Raw Sewage Pump 4	
		Raw Sewage Pump 5	
Procure maintenance parts for both CHPs.	14-Nov-22	2 CHP Engine Genset #1	Ordered and picked up required parts.
		CHP Engine Genset #2	
13,392 hours. Erratic KW output under full load.	15-Nov-22	2 CHP Engine Genset #1	Replaced spark plugs with new. Replaced ignition wire on cylinder 6 due to fouled spark plug removed from cylinder.
28,030 / 40,069 Hours. Engine Shutdown on unstable load.		CHP Engine Genset #2	Removed & replaced spark plugs with new (1726 hours on old plugs.) Removed and replaced ignition wire silicone inserts with new.
Exercise Of EBARA and Excess Pumps		Excess Flow Pump 06	
		Excess Flow Pump 07	
		Excess Flow Pump 08	
		Excess Flow Pump 09	

Thursday, December 15, 2022 Page 2 of 5

Work Assignment	Completion Date	Equipment	NOTATIONS
		Excess Flow Pump 11	
		Excess Flow Pump 12	
CLEAN TWAS POLYMER EFFLUENT STRAINER		WAS Thickener Polymer System	
Remount axle to balance trailer after pump replacement.	16-Nov-22	2.4 inch EBARA Pump (Old Jaeger)	Moved axle to the rear. Installed rear leveling jack. Upgraded battery cover & installed trickle charge.
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
3 Month Oil Change On Int. Draw- off Valves compressor		Interm Clarifier Sludge Bldg	
Exercise both 24" primary influent ratio valves		Tunnel From PS to Grit	
		Tunnel/Chan Primary Clarifiers	
Oil, filters, lube of Snow Plows	17-Nov-22	2014 Ford F-250 Plow Truck	
.58,648 Miles. Change oil and filter, Check tires, fluids, air filters.		2014 Honda Civic CNG	Changed oil and oil filter. Replaced air filter and wiper blades. Topped off fluids and checked tire pressure.
Oil, filters, lube of Snow Plows		2020 F350 4x4	
REPLACE OIL ABSORBENT PADS IN GREASE CABINET		Administration Center	
Test for H2S at Unison Gas skid		CHP Gas Cleaning System	
CHP HOT WATER LOOP GATE VALVE EXERCISE		CHP Heat Recovery System	
Monthly Fire Extinguishers Inspection	18-Nov-22	2 5006 Walnut Eqpmnt Strge Bldg	
		Administration Center	
		Bar Screen Building	
		Belt Filter Press Building	
		Bisulfite Building	
		Blower Building	
		Digester 1 and 2 Control Bldg	
		Digester 3 Control Building	
		Digester 4 - 5 Control Buildg	
		Emergency Generator Building	
Exercising of Raw and Excess Influent valves		Excess Flow Pump Station	
Monthly Fire Extinguishers Inspection		Excess Flow Sludge Pump House	
		Filter Building	
		Grit Building	
		Hypochlorite Feed Blg	
		Interm Clarifier Sludge Bldg	
		Laboratory	

Thursday, December 15, 2022 Page 3 of 5

Work Assignment	Completion Date	Equipment	NOTATIONS
		Maintenance Services	
		Building	
		Microstrainer Building	
<b>.</b>		Operations Center	
Hard wire permanent charger / block heater cord on generator.		Portable Generator 350	Hard wired extension cord. Fabricated cord hook and mounted to generator enclosure exterior.
Exercising of Raw and Excess Influent valves		Raw Sewage Pump Station	
Monthly Fire Extinguishers Inspection		System Garage	
Turn on and run Chlorine Contact Tank sweep arm	21-Nov-22	Chlorine Contact Tank	
Digester 1 Mixing System Semi- Annual/2000 Hour Oil Change		Digester 1 Mixing Pump	
Quartely Flow Test In		Maintenance Services	
Maintenance Garage 2000 Hour Grease of Plant		Building Plant Effluent Water	
Effluent Pumps		Pump #2	
Hard wire permanent charger / block heater cord on generator.		Portable Generator 150	Hard wired extension cord. Fabricated cord hook and mounted to generator enclosure exterior.
		Portable Generator 200	Hard wired extension cord. Fabricated cord hook & mounted to generator enclosure exterior.
Exercise Ratio Valve #2		Tunnel - System 2 RAS	
Pump out old grease line valve vault		Yard Piping - Liquid Treatment	
Battery and battery tender require replacement.	22-Nov-22	6 in JAEGER PUMP ( FORD )	Charge & test existing battery - failed. Ordered replacement battery & installed. Installed new battery tender.
Clean Office Roof Of All Debris		Administration Center	
3 month Greasing of 3 AUMA Actuators		Aeration Tank 10	
Replace the local HOA switch that is no longer working.		Bar Screen 2	Removed the non-functioning control switch and replaced with new.
Annual Oil Change Screening Compactors & Conveyor Reducers		Bar Screen Rag Compactor	
3 MONTH GREASE OF BFP MOYNO PUMPS		Belt Press Sludge Feed Pump 1	
		Belt Press Sludge Feed Pump 2	
2000 Hour Grease of the UNISON BLOWER MOTOR		CHP Gas Cleaning System	
3 month Greasing of 3 AUMA Actuators		Digester 1 Mixing Pump	
Check Hose Connections On #2 & #4 PEARTH Units		Digester 2 Mixing System	
		Digester 4 Mixing System	
Change Filters On Grit Blowers 1,2,3.		Grit Blower 1	
		Grit Blower 2	
		Grit Blower 3 Kaeser	
3 Month Grease- Secondaries 1 & 2		Secondary Clarifier 1	
		Secondary Clarifier 2	
Replace gas valve and actuator.	23-Nov-22	Filter Building	Replaced the downstream gas valve & actuator that failed. Tested operation after new gas valve installed. Low burner output temp. Troubleshoot & found gas pressure regulator
Thursday, December 15, 2022			Page 4 of

Work Assignment	Completion Equipment Date	NOTATIONS
		was bad & replaced.
3 Month Oil Change Blower #4	28-Nov-22 Aeration Blower 04	
Exercising of bar screen sluice gates 1 and 2	Bar Screen 1	
	Bar Screen 2	
Six Month Oil Change On Concentrators 1 & 2	Concentration Tank 1	
	Concentration Tank 2	
A/C Compressor replacement on the west wall mounted HVAC unit.	29-Nov-22 Hobson Lift Station	A-Formula replaced A/C compressor that failed with new. Unit is partially charged - will need to return in the spring to verify proper charge levels when the weather warms up.

#### DOWNERS GROVE SANITARY DISTRICT

M E M O

DATE: December 6, 2022

Amy Underwood General Manager TO:

FROM: Robert Swirsky Sewer System Maintenance Supervisor

Monthly Report – November 2022 RE:

ILL.	Worlding Report Troveniber 2022		
1.	JULIE Line Markings: Received In District Marked Man Hours	Current 1089 1007 245 094	Year to Date 12216 13305 2290 948
2.	Building Service:  a. BSSRAP TV Inspections  b. Emergency BSSRAP Repairs  c. Total BSSRAP Repairs  d. I&I inspections  e. I&I C.O. installation  f. Replace broken cleanout caps  g. OHSP TV Inspections  h. Post Rodding TV	Current 18 04 13 06 00 00 00 09	Year to Date 244 127 191 23 00 00 03 77
3.	Sewer backups: a. Public sewer b. Private sewer c. Surcharged main d. Pump station Total	Current 00 23 00 00 23 Current	Year to Date 07 246 00 00 253 Year to Date
4.	Sewer Cleaning (DGSD personnel):  a. Sewer Cleaning (outside contractors):	44,709 Ft. 0 Ft.	333,625 Ft. 345 Ft.
5.	Main Sewer Televising (DGSD personnel)  a. Sewer Televising (outside contractors):	: 0 Ft. 0 Ft.	3,601 Ft. 84,352 Ft.
6.	LETS TV	0	2
7.	Manhole inspections	0	16

8.	Sewer and manhole repairs and replacements by Uno Construction: None
9.	Miscellaneous: (sewer system personnel)

a. Upload Flow-Meters.

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

## DOWNERS GROVE SANITARY DISTRICT MEMO

DATE: December 12, 2022

TO: Amy R. Underwood

General Manager

FROM: Keith Shaffner

Sewer Construction Supervisor

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

1.	Permits issued:	Current	Year to Date
	<ul><li>a. Single family</li><li>b. Multiple family</li><li>c. Commercial</li><li>d. Repair</li></ul>	6 0 1 2	55 1 10 23
	e. Disconnection Total	$\frac{8}{17}$	3 <u>7</u> 126
2.	Inspections made:	Current	Year to Date
	<ul> <li>a. Connections</li> <li>b. Finals</li> <li>c. Repairs</li> <li>d. Disconnects</li> <li>e. Groundwork</li> <li>f. Walk-Thru</li> <li>g. Pre-connections</li> <li>h. Overhead Sewer Program</li> <li>i. Code Enforcement</li> <li>j. Lateral testing</li> <li>Total</li> </ul>	8 3 2 2 0 0 0 0 0 0 6 21	83 37 24 35 2 0 6 1 5 48 241

3. New Sewer Extension Construction:

 $63^{\rm rd}$  and Carpenter Sanitary Main Extension – Two Single Family Homes

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

297/299 60th Sewer Main Extension Testing

5. Code Enforcement:

None

- 6. Plan & Permit Reviews:
  - a. 4432 Downers Single Family Home Review
  - b. 3859 Douglas Single Family Home Review
  - c. 528 Wilson Single Family Home Review
- 7. Building Sanitary Service Access Agreements:
  - a. 297 and 299 60<sup>th</sup> Street Downers Grove
  - b. 3765 Glendenning Downers Grove
- 8. Illinois EPA Permits:

1042 Norfolk Sanitary Main Extension – 3.5 PE

9. Waste Hauling Permits Issued:

None

10. Miscellaneous:

None

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

# **Permits Issued: NOVEMBER 2022**

YEAR	PERMIT #	<b>ADDRESS</b>	STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2022	97	4500	STERLING	DG	11/1/2022	SF-RB		\$241.00
2022	66	935	OGDEN	DG	11/2/2022	СОМ	\$9,569.00	\$400.00
2022	115	4919	BELMONT	DG	11/1/2022	DISCON		
2022	14	3765	GLENDENNING	DG	11/7/2022	SF-RB		\$241.00
2022	116	528	WILSON	DG	11/7/2022	SF-RB		\$241.00
2022	118	528	WILSON	DG	11/10/2022	DISCON		
2022	119	1120	OAK HILL	DG	11/11/2022	REPAIR		
2022	113	297	60TH	W	11/14/2022	SF	\$3,563.00	\$241.00
2022	114	299	60TH	W	11/14/2022	SF	\$3,563.00	\$241.00
2022	120	4915	MAIN	DG	11/15/2022	DISCON		
2022	121	4919	MAIN	DG	11/15/2022	DISCON		
2022	122	4923	MAIN	DG	11/15/2022	DISCON		
2022	124	29 N	WASHIGNTON	W	11/18/2022	DISCON		
2022	117	3859	DOUGLAS	DG	11/21/2022	SF-RB		\$241.00
2022	126	4920	STONEWALL	DG	11/29/2022	DISCON		
2022	125	4508	STONEWALL	DG	11/29/2022	DISCON		
2022	127	139 W	QUINCY	W	11/30/2022	REPAIR		
					TOTAL:		\$16,695.00	\$1,846.00

# **Permit Final Inspections: NOVEMBER 2022**

YEAR	PERMIT #	ADDRESS	STREET	CITY	<u>FINAL</u>
2021	70	4708	NORTHCOTT	DG	11/8/2022
2021	127	5821	LYMAN	DG	11/18/2022
2021	131	4821	SEELEY	DG	11/30/2022

#### **Progress Report**

To: Amy Underwood, General Manager From: Reese Berry, Laboratory Supervisor

Date: December 8, 2022

Re: November 2022 Laboratory Report

DGSD had zero excess flow sampling events during November 2022. We had no permit excursions in November.

#### **Personnel:**

Our new lab analyst, Samantha Gudewicz had her first day on November 21<sup>st</sup>. She is currently training alongside Stephanie with various laboratory tests. It should take a few months to get Samantha more comfortable in her position and adjusted to our sampling/testing schedule. Welcome to DGSD Samantha!

#### **Surcharge:**

We have 1 week of Surcharge sampling left to complete the 2022 year. I will be targeting an unseasonably warm week to complete this work moving forward.

#### **Pretreatment:**

During November we completed our required sampling at each Industrial permittee, along with our semi-annual plant sampling requirements. All data collected was well below concentration limits for potential contaminants.

#### **Biosolids:**

We completed bi-monthly biosolids sampling/testing for salmonella MPN during November. All data was well below the Class A biosolids concentration limits.

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

To: Amy Underwood, General Manager From: Alex Bielawa, Staff Engineer

Re: Engineering Report for the Month November, 2022

Date: December 14, 2022

#### I. Planning Projects & Studies

#### A. Flow Monitoring

Collection of Cycle L data is ongoing. Analysis of both Cycle F and the few downtown flow meters is ongoing. Several flow meters were installed in downtown Downers Grove to capture flows in order to inform decisions on near-term I/I removal which is needed in anticipation of a new development being constructed downtown.

#### **B.** OSEC Generator Unit

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

#### C. Dewatering Press Pilot

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

#### D. WWTC & Lift Station Code Walk-Through

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

#### E. Underground Diesel Storage Tank Replacement

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

#### **II. Design Projects**

#### A. Curtiss Street Sewer Lining

Congressman Sean Casten was able to secure \$1,080,000 for the lining of both of the Curtiss Street trunk sewers through the federal government's Fiscal Year 2023 Appropriations package. The workplan for the project has been submitted. Baxter &

Woodman is working on incorporating the language required by the grant into the bid documents. Please see the Baxter & Woodman Client Status Report for more information.

#### **B.** Administration Building Improvements

YAD Construction is continuing to submit shop drawings, which the architect, OEMA, is currently reviewing. YAD has also provided samples for the District to begin choosing colors. The District has obtained the permit from the Village of Downers Grove for the work.

#### **III. Construction Projects**

#### A. Centex Lift Station Replacement

Berger Excavating Contractors, Inc. submitted Pay Request No. 2 this month.

A	Original Contract Sum	A		\$1,455,000.00
В	Net Change by Change Orders to Date	В	+	\$0.00
С	Contract Sum to Date	A+B=C		\$1,455,000.00
			_	
D	Total Completed and Stored to Date	D		\$294,357.00
Е	Retainage	Е	-	\$29,435.70
F	Total Earned Less Retainage	D-E=F	_	\$264,921.30
			1	
G	Less Previous Certificates for Payment	Previous Payments	_	\$60,975.00
Н	Current Payment Due	F-G= H		\$203,946.30

Construction is expected to begin in Spring 2023.

#### B. Outfall 001 Sanitary Sewer Repair

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

### **C.** Painting Services

All sections included in the contract have been completed. We are awaiting the final invoice from the contractor. The District is working on getting labels for all the painted piping.





C: BOT, BOLI, CS & MGP

## **Downers Grove Sanitary District**



#### **Client Manager:**

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

Project Status Report Issued On: 12/6/2022

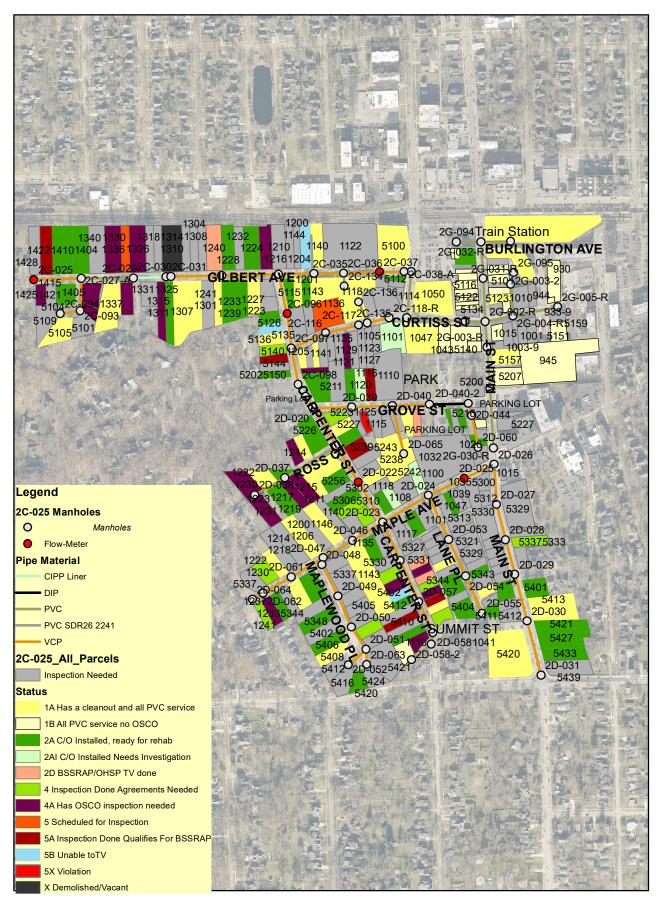
Project Title/Job	Project Manager	Completion Date	Tasks Completed This Period	Tasks Pending This Period	Items Waiting On Client	Status Date
Flow Monitoring Job Number: [050739.90]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	12/30/2019	None.	Assist District with analysis.	None	11/17/2022
Sewer Modeling (Hobson PS, downtown Downers Grove and Westmont) Job Number: [071129.30]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	7/1/2008	None.	None.	None.	11/17/2022
Nutrient Study RAS Denit Job Number: [120501.33]	Derek Wold 815-444-3335 dwold@baxterwoodman.com	12/31/2020	Prvoided data for filtrate EQ basin.	None.	Collect data to recalibrate the model.	11/15/2022
Outfall Sewer Study Job Number: [180237.30]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	5/25/2022	None.	None.	Direction on further work.	11/17/2022
Outfall Sewer Sag CS Job Number: [180237.60]	Reggie Jansen 815-444-3391 rjansen@baxterwoodman.com	10/31/2022	General Construction Administration, Construction Observation of Root Removal, CCTV	General Construction Administration, Sag Investigation, Recommendations		11/16/2022
Centex PS Replacement - CS Job Number: [181059.60]	Reggie Jansen 815-444-3391 rjansen@baxterwoodman.com	8/1/2022	Submittal and Pay Estimate Review. Construction to begin in Spring 2023	Submittal Review, Ongoing GCA/RPR Tasks.		11/16/2022
Curtiss Street CIPP Lining Job Number: [211126.40]	Reggie Jansen 815-444-3391 rjansen@baxterwoodman.com	5/30/2022	Grant requirements review. Begin incorporating them into front end documents.	Finalize Specifications for District review.		11/16/2022

Page: 1 of 2 ( Run Date: 12/6/2022 1:44:52 PM ) Job# Sort (v2)

Project Title/Job	Project Manager	Completion Date	Tasks Completed This Period	Tasks Pending This Period	Items Waiting On Client	Status Date
2022 Miscellaneous Engineering Services Job Number: [220150.00]	Derek Wold 815-444-3335 dwold@baxterwoodman.com	12/31/2022	review data to assist with OSEC generator improvements evaluation and Varec design manual information.	Assistance as request.	None.	11/15/2022
WWTC & LS Code Review Job Number: [220537.30]	Jason Ruffatti 815-444-3237 jruffatti@baxterwoodman.com	8/31/2022	Ventilation quotes.	Review draft report with DGSD to refine lsit.	Draft report review comments.	11/15/2022



## 2C-025 I&I Investigation Status



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

Category	Inspections Scheduled	Inspections Completed	Application Received	Agreements Signed	Cleanout	Service Rehab Done	Totals	Total as Percentage
1A	Υ	Υ	N	Υ	Y	N/A	47	15%
1B	Υ	Υ	N	N	N	N/A	27	9%
2A	Υ	Υ	Υ	Υ	Υ	N	52	17%
2AI	Υ	Υ	Υ	Υ	Υ	N	4	1%
2B	Υ	Υ	Υ	Υ	Υ	N	0	0%
2D	Υ	Υ	Υ	N	N	N	4	1%
4	Υ	Υ	N	N	N	N	11	4%
4A	N	N	N	N	N/A	N	20	6%
5	Υ	N	N	N	N	N	2	1%
5A	Υ	Υ	N	N	N	N	6	2%
5AX	Υ	Υ	N	N	N	N	0	0%
5B	Υ	N	N	N	N	N	3	1%
5BX	Υ	N	N	N	N	N	1	0%
0	N	N	N	N	N	N	131	42%
X	-	-	-	-	-	-	1	0%
5X	-	-	-	-	-	-	0	0%
							309	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

2B - Ready for rehab

- 3 Program application received (executed agreements needed)
- 3A Released to contractor for cleanout installation
- 4 Inspection completed (Program application needed)
- 4A Has an existing cleanout
- 5 Inspections scheduled
- 5A Inspection done BSSRAP needed (qualifying defects or obstructions seen during TV)
- 5AX Violation, BSSRAP needed
- 5B Unable to TV
- 5BX Unable to TV Violation
  - 0 Inspection Needed
- X2 Vacant not Disconnected

2022 Basin I&I Ranking = 9

24% Complete

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

DATE: 11/30/2022

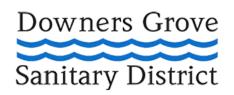
							PREVIOUS MONTH				
CASH	BALANCES				_	TOTAL BALANCE					7
ACCOL	UNT NAME	ACCOUNT NUMBER	<b>.</b>	BALANCE PER BANK STATEMENT		PER BANK STATEMENTS	MONTHLY EARNINGS CREDIT	EARNINGS CREDIT PERCENTAGE			7
						STATEMENTS	EARININGS CILLDIT	PERCENTAGE			7
DEPO DISBL	DSIT URSEMENT	XXXXXXXXX1116 XXXXXXXXXX1111		\$4,380,794.35 181,996.52							7
FLEXI	IBLE BENEFITS	XXXXXXXXX6025		9,146.59							7
PAYR		XXXXXXXXXX1117		225,475.53							7
	TY CASH R REFUNDS	XXXXXXXXX1112 XXXXXXXXX1114		4,505.00 5,254.63							7
	- CASH AT BANK			\$4,807,172.62		\$4.509.489.50	\$2.364.57	0.0524%			7
IOIAL	- CASH AT BAIN			φ <del>4</del> ,007,172.02		ֆ <del>4</del> ,50 <del>3</del> ,463.50	φ <b>∠</b> ,30 <del>4</del> .31	U.UUZ+ /0			7
INVES	STMENTS					GENERAL			PUBLIC	SEWER	INTEREST
	,				ANNUAL	CORPORATE	IMPROVEMENT	CONSTRUCTION	BENEFIT	EXTENSION	EARNED
TYPE	FINANCIAL INSTITUTION	TERM	MATURITY	AMOUNT	INT. RATE	FUND (01)	FUND (02)	FUND (03)	FUND (05)	FUND (71)	AT MATURITY
CD	TRISTATE CAPITAL BANK	ONGOING	8/9/2023	\$250,000.00	3.290%			\$250,000.00			\$8,225.00
TOTAL	. CDs			\$250,000.00	3.290%	\$0.00	\$0.00	\$250,000.00	\$0.00	\$0.00	\$8,225.00
											7
					CURRENT						ESTIMATED
					RATE OF						ANNUAL
TYPE	FINANCIAL INSTITUTION	TERM	LAST ACTION DATE	AMOUNT*	RETURN						RETURN
MM	AXOS BANK	ONGOING	10/30/2020	\$250,133.52	0.200%	\$250,133.52					\$500.27
MM	BANKFINANCIAL	ONGOING	3/13/2013	\$250,819.26	1.470%	\$250,819.26					\$3,687.04
MM	FIRST CITIZENS BANK	ONGOING	11/9/2016	\$250,106.19	0.550%	\$250,106.19					\$1,375.58
MM	EVERGREEN BANK GROUP	ONGOING	2/23/2021	\$250,524.15	0.600%	\$250,524.15					\$1,503.14
MM	LIMESTONE BANK	ONGOING	1/25/2021	\$251,700.55	2.030%	\$251,700.55					\$5,109.52
MM	LISLE SAVINGS BANK	ONGOING	11/10/2020	\$250,009.92	0.500%	\$250,009.92					\$1,250.05
MM	LUANA SAVINGS BANK	ONGOING	10/29/2020	\$252,153.99	2.800%	\$252,153.99					\$7,060.31
MM	PEOPLES BANK	ONGOING	12/4/2012	\$372.78	0.000%	\$372.78					\$0.00
MM	STEARNS BANK	ONGOING	9/1/2015	\$250,000.00	1.500%	\$250,000.00					\$3,750.00
MM	TRISTATE CAPITAL BANK	ONGOING	4/16/2021	\$11.91	0.000%			\$11.91			\$0.00
MM	OLD SECOND NATIONAL BANK	ONGOING	11/20/2012	\$5,144.73	0.050%			\$5,144.73			\$2.57
TOTAL	MM ACCOUNTS			\$2,010,977.00	1.205%	\$2,005,820.36	\$0.00	\$5,156.64	\$0.00	\$0.00	\$24,238.49
ILLINO	DIS FUNDS - MONEY MARKET			\$3,273,010.61	3.586%	\$1,836,798.36	\$872,685.65	\$563,526.60	\$0.00	\$0.00	\$117,370.16
TOTAL	- ALL INVESTMENTS			\$5,533,987.61	2.708%	\$3,842,618.72	\$872,685.65	\$818,683.24	\$0.00	\$0.00	\$149,833.65

DDEVIOUS MONTH

TOTAL CASH AND INVESTMENTS \$10,341,160.23

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

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



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

**Legal Counsel** Michael G. Philipp

2710 Curtiss Street P.O. Box 1412 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 R. Underwood, General Manager

Date: December 16, 2022

Subject: Treasurer's Report for November 2022

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

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

Year-to-date	Income	Expenses
General Fund	\$ 6,799,990.09 (page 1)	\$ 5,102,599.00 (page 6)
Improvement Fund	\$ 357,819.10 (page 7)	\$ 56,405.52 (page 7)
Construction Fund	\$ 168,444.29 (page 8)	\$ 14,403.64 (page 9)
Public Benefit Fund	\$ 0.00 (page 10)	\$ 0.00 (page 10)
TOTAL	\$ 7,326,253.48	\$ 5,173,408.16

C: BOLI, MGP, CS

Downers Grove Sanitary District Date: 12/07/2022

Treasurer's Report Recap for Month Ending 11/30/22

\_\_\_\_\_\_\_

Page: 1

Fund	nun	nbe	er & Description	Ending
				Fund Balance
Fund	01	:	GENERAL FUND	\$7,106,153.19
Fund	02	:	IMPROVEMENT FUND	\$1,601,441.06
Fund	03	:	CONSTRUCTION FUND	\$1,751,003.48
Fund	05	:	PUBLIC BENEFIT FUND	\$37,817.83
Recar	To	ota	\$10,496,415.56	

DATE 12/07/22 MONTH ENDED 11/30/22 PAGE 1 FUND 01 GENERAL FUND

	ACTUAL	BUDGET			ACTUAL-		
COST	CURRENT	CURRENT	ACTUAL	BUDGET	BUDGET	VAR	TOTAL
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	8	BUDGET
DEPT 05 REVENUES	=========	=======	=========	========		======	
3000 PROPERTY TAXES	11,903.82-	15,141-	1,356,945.48-	1,339,900-	17,045.48-	1.3	1,339,900-
3001 USER RECEIPTS	394,998.89-	393,139-	2,276,623.49-	2,227,589-	49,034.49-	2.2	3,692,500-
3002 SURCHARGES	45,795.96-	33,218-	244,594.96-	188,222-	56,372.96-	30.0	312,000-
3004 PLAN REVIEW FEES	.00	125-	243.83-	375-	131.17	35.0-	500-
3005 CONSTRUCTION INSPECTION FEES	.00	120-	315.56-	360-	44.44	12.3-	500-
3006 PERMIT INSPECTION FEES	1,846.00-	1,700-	11,235.00-	11,900-	665.00	5.6-	20,000-
3007 INTEREST ON INVESTMENTS	9,466.53-	600-	30,908.64-	4,200-	26,708.64-	635.9	7,000-
3013 SAMPLING AND MONITORING	11,720.17-	8,750-	69,889.28-	61,250-	8,639.28-	14.1	105,000-
3014 REPLACEMENT TAXES	.00	0	166,616.47-	44,600-	122,016.47-	273.6	85,000-
3015 MISCELLANEOUS INCOME	1,828.18-	833-	6,978.98-	5,831-	1,147.98-	19.7	10,000-
3020 SALE OF PROPERTY	2,750.00-	0	11,817.80-	0	11,817.80-	.0	0
3021 TELEVISION INSPECTION	.00	150-	.00	150-	150.00	100.0-	150-
3023 PROPERTY LEASE PAYMENTS	3,237.23-	2,967-	21,556.76-	20,769-	787.76-	3.8	35,600-
3024 MONTHLY SERVICE FEES	385,371.65-	482,903-	2,616,193.72-	2,736,209-	120,015.28	4.4-	4,535,600-
3027 GREASE WASTE	14,902.00-	17,500-	126,882.10-	122,500-	4,382.10-	3.6	210,000-
3035 INTERFUND TRANSFER	.00	0	250,000.00	250,000	.00	.0	500,000
3040 RENEWABLE ENERGY CREDITS	.00	0	45,760.62-	1,500-	44,260.62-	2,950.7	3,000-
3094 GRANTS AND INCENTIVES	.00	270,000-	63,427.40-	340,000-	276,572.60	81.3-	1,150,000-
DEPT 05 TOTALS			6,799,990.09-		55,364.91		L,006,750-
FUND REVENUE TOTAL			6,799,990.09- =======		55,364.91 =======		L,006,750-
DEPT 11 O & M EXPENSES - ADMINISTRATION							
SECT A SALARIES AND WAGES							
A001 TRUSTEES	4,500.00	4,500	13,500.00	13,500	.00	.0	18,000
A002 BOLI	.00	225	.00	675	675.00-	100.0-	900
A003 GENERAL MANAGEMENT	21,155.16	20,025	135,678.39	150,187	14,508.61-	9.7-	256,600
A004 FINANCIAL RECORDS	16,320.28	17,532	121,530.18	131,490	9,959.82-	7.6-	211,350
A005 ADMINISTRATIVE RECORDS	1,427.55	2,245	16,141.18	16,835	693.82-	4.1-	27,250
A006 ENGINEERING	242.48	428	7,513.02	3,210	4,303.02	134.1	5,150
A007 CODE ENFORCEMENT	29,918.13	29,214	220,722.51	219,107	1,615.51	.7	367,100
A008 SAFETY ACTIVITIES	2,808.50	3,986	22,477.57		7,415.43-	24.8-	48,000
A030 BUILDING AND GROUNDS	96.00	102	3,612.14	785	2,827.14	360.2	1,350
A085 INCENTIVE	.00	0	200.00	0	200.00	.0	0
A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE	.00	433	75.00	3,248	3,173.00-	97.7-	5,200
SECT A TOTALS	76,468.10	======= 78,690	======== 541,449.99	568,930	27,480.01-	4.8-	940,900
OZCI A TOTADO	•		•		27,400.01-		·
SECT B OPERATIONS AND MAINTENANCE							
B100 ELECTRICITY	840.98	700	3,328.31	6,500	3,171.69-	48.8-	10,000
B101 NATURAL GAS	162.78	300	702.66	1,450	747.34-	51.5-	3,000
B101 NATURAL GAS B102 WATER, GARBAGE AND OTHER UTILITIES			702.66 356.08	1,450 860	747.34- 503.92-	51.5- 58.6-	3,000 1,250
	162.78	300					
B102 WATER, GARBAGE AND OTHER UTILITIES	162.78 81.57	300 200	356.08	860	503.92-	58.6-	1,250

DATE 12/07/22 MONTH ENDED 11/30/22 PAGE 2

FUND 01 GENERAL FUND

COST	ACTUAL CURRENT	BUDGET CURRENT	ACTUAL	BUDGET	ACTUAL- BUDGET	VAR	TOTAL
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	%	BUDGET
B115 EQUIPMENT/EQUIPMENT REPAIR	6,777.97	17,300	51,181.71	107,000	55,818.29-	52.2-	169,700
B116 SUPPLIES	444.52	600	2,895.53	4,200	1,304.47-	31.1-	6,800
B117 EMPLOYEE/DUTY COSTS	721.04	2,100	11,544.23	14,700	3,155.77-	21.5-	24,750
B118 BUILDING AND GROUNDS	912.22	32,200	48,033.19	126,150	78,116.81-	61.9-	167,000
B119 POSTAGE	85.00	630	3,259.92	4,410	1,150.08-	26.1-	7,550
B120 PRINTING/PHOTOGRAPHY	.00	400	6,198.92	11,200	5,001.08-	44.7-	12,700
B121 USER BILLING MATERIALS	5,719.23	7,000	43,118.90	49,150	6,031.10-	12.3-	84,150
B124 CONTRACT SERVICES	6,110.36	12,525	49,191.55	87,675	38,483.45-	43.9-	150,300
B137 MEMBERSHIPS/SUBSCRIPTIONS	500.00	4,470	5,884.88	6,720	835.12-	12.4-	8,500
SECT B TOTALS	26,300.25	85,375	256,432.10	469,665	213,232.90-	45.4-	728,100
SECT C VEHICLES	==========	:=======	:========	=======	=========	=======	=======
C222 GAS/FUEL	68.85	150	1,655.49	1,250	405.49	32.4	2,000
C225 OPERATION/REPAIR	8.33	650	49.98	1,950	1,900.02-	97.4-	2,600
C226 VEHICLE PURCHASES	.00	0	18,637.00	12,000	6,637.00	55.3	12,000
SECT C TOTALS	77.18	800	20,342.47	15,200	5,142.47	33.8	16,600
DEPT 11 TOTALS	102,845.53	164,865	818,224.56		235,570.44-		1,685,600
SECT A SALARIES AND WAGES A006 ENGINEERING	3,715.21	4,057	34,096.40	30,428	3,668.40	12.1	48,800
A000 ENGINEERING A009 OPERATIONS MANAGEMENT	8,893.25	8,349	65,120.52	62,620	2,500.52	4.0	108,550
A010 MAINTENANCE - BUDGET	.00	58,266	.00	424,843	32,728.01-	7.7-	696,250
A011 MAINTENANCE - WWTC	34,625.11	0	264,019.53	0	.00	.0	0
A012 MAINTENANCE - VEHICLES	.00	0	423.50	0	.00	.0	0
A013 MAINTENANCE - ENERGY RECOVERY	.00	0	8,397.30	0	.00	.0	0
A014 MAINTENANCE - ELECTRICAL	15,489.60	0	119,274.66	0	.00	.0	0
A020 WWTC - BUDGET	.00	46,736	.00	350,524	3,149.37	.9	561,750
A021 WWTC - OPERATIONS	27,722.57	0	239,494.62	0	.00	.0	0
A022 WWTC - SLUDGE HANDLING	13,550.13	0	107,768.26	0	.00	.0	0
A023 WWTC - ENERGY RECOVERY	644.52	0	6,410.49	0	.00	.0	0
A030 BUILDING AND GROUNDS	6,603.77	8,947	59,347.27	66,708	7,360.73-	11.0-	·
SECT A TOTALS	111,244.16	126,355	904,352.55	935,123	30,770.45-	3.3-	1,522,600
SECT B OPERATIONS AND MAINTENANCE	==========			========	=========	======	========
B100 ELECTRICITY	8,012.43	4,400	47,375.12	32,000	15,375.12	48.1	53,600
B101 NATURAL GAS	874.00	1,000	4,457.45	3,800	657.45	17.3	10,400
B102 WATER, GARBAGE AND OTHER UTILITIES	3,903.17	5,000	31,997.42	30,500	1,497.42	4.9	48,400
B103 ODOR CONTROL	592.74	200	592.74	1,900	1,307.26-	68.8-	3,000
B104 FUEL - GENERATORS	.00	3,125	14,250.00	9,375	4,875.00	52.0	12,500
B112 COMMUNICATION	1,018.93	2,000	12,245.45	14,900	2,654.55-	17.8-	24,900
B113 EMERGENCY/SAFETY EQUIPMENT	469.74	4,000	6,756.95	28,000	21,243.05-	75.9-	43,600
B116 SUPPLIES	4,230.37	2,600	14,903.47	18,350	3,446.53-	18.8-	31,350
B117 EMPLOYEE/DUTY COSTS	935.31	2,100	5,914.35	16,200	10,285.65-	63.5-	26,000

DATE 12/07/22 MONTH ENDED 11/30/22 PAGE 3

FUND 01 GENERAL FUND

NUMBER DESCR	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
B124 CONTRACT SER	NAT CRO	.00	.======== 0	222,594.00	222,600	======================================	. 0	222,600
B130 NPDES PERMIT		.00	0	53,000.00	53,000	.00	.0	53,000
	NG/DISPOSAL SERVICES	.00	40,000	79,344.72	85,000	5,655.28-	6.7-	85,000
B400 CHEMICALS -		.00	19,150	.00	134,050	28,237.32-	21.1-	229,800
B401 CHEMICALS -		13,159.87	15,150	51,859.09	134,030	.00	.0	0
	SLUDGE DEWATERING	9,340.88	0	34,289.48	0	.00	.0	0
B404 CHEMICALS -		.00	0	19,664.11	0	.00	.0	0
	PAIR - BIOSOLIDS AGING & DISPOS	330.66	83,400	10,901.19	116,400	105,498.81-	90.6-	143,600
	PAIR - DISINFECTION	.00	1,800	3,524.65	11,800	8,275.35-	70.1-	15,300
	CPAIR - EXCESS FLOW	.00	1,520	2,980.99	10,640	7,659.01-	72.0-	18,300
	PAIR - GRIT REMOVAL	188.06	3,520	872.41	24,640	23,767.59-	96.5-	42,300
	PAIR - INFLUENT PUMPING	2,221.69	5,020	47,664.69	35,140	12,524.69	35.6	60,300
	CPAIR - PRIMARY TREATMENT	15.00	4,320	10,430.34	30,200	19,769.66-	65.5-	51,800
	PAIR - SECONDARY TREATMENT	.00	13,820	16,597.16	96,700	80,102.84-	82.8-	165,800
	PAIR - SLUDGE CONCENTRATION	198.62	440	453.39	3,100	2,646.61-	85.4-	5,300
	PAIR - SLUDGE DEWATERING	.00	3,225	21,353.25	22,575	1,221.75-	5.4-	38,600
~ ~ ~	CPAIR - SLUDGE DIGESTION	107.19	5,950	16,668.14	141,650	124,981.86-	88.2-	171,400
	SPAIR - TERTIARY TREATMENT	.00	7,190	4,068.28	50,330	46,261.72-	91.9-	86,300
~ · ~	CPAIR - WWTC GENERAL	3,010.75	3,460	37,091.54	24,220	12,871.54	53.1	41,600
~ . ~	SPAIR - WWIC GENERAL SPAIR - WWTC UTILITIES	33,753.54	22,550	152,386.61	157,850	5,463.39-	3.5-	350,650
	DUNDS - BIOSOLIDS AGING & DISPOS	101.63	333	101.63	2,335	2,233.37-	95.7-	4,000
		.00	300	.00	2,333	2,100.00-	100.0-	3,600
	DUNDS - DISINFECTION		92		644	644.00-	100.0-	1,100
	DUNDS - EXCESS FLOW	.00	133	.00	935	935.00-	100.0-	•
	DUNDS - GRIT REMOVAL	.00	4,160	.00 249.17	29,120	28,870.83-	99.1-	1,600 49,960
	DUNDS - INFLUENT PUMPING				•			
	DUNDS - SECONDARY TREATMENT	18.25	175	36.80	1,225	1,188.20-	97.0-	2,120
	DUNDS - SLUDGE DEWATERING	.00	1,260	.00	8,800	8,800.00-	100.0-	15,100
	DUNDS - SLUDGE DIGESTION	.00	310	916.88	2,170	1,253.12-	57.8-	3,715
	DUNDS - TERTIARY TREATMENT	116.82	663	4,403.00	4,645	242.00-	5.2-	7,960
	DUNDS - WWTC GENERAL	8,822.39	33,460	87,359.48	174,220	86,860.52-	49.9-	321,595
B813 BLDG AND GRO	DUNDS - WWTC UTILITIES	47.97	130	47.97 	920 	872.03- =======	94.8-	1,600
SECT B TOTAL		91,470.01		1,017,351.92		584,682.08-		2,447,750
SECT C VEHI	CCLES							
C222 GAS/FUEL		189.65	2,000	20,865.01	14,500	6,365.01	43.9	24,500
C225 OPERATION/RE	EPAIR	90.74	700	2,314.48	5,000	2,685.52-	53.7-	8,500
C226 VEHICLE PURC	CHASES	.00	0			14,597.00-		•
SECT C TOTAL		280.39	2,700	40,582.49	51,500	10,917.51-	21.2-	92,000
						========		
DEPT 12 TOTA		202,994.56				626,370.04-		
DEPT 13 O &	M EXPENSES - LABORATORY							
SECT A SALA	ARIES AND WAGES							
A009 OPERATIONS M	MANAGEMENT	3,498.99	6,557	37,587.44	49,187	11,599.56-	23.6-	85,250
A040 LABORATORY -	- BUDGET	.00	15,103	.00	113,273	7,688.78-	6.8-	182,800
A041 LAB - WWTC		6,125.27	0	85,288.14	0	.00	.0	0

DATE 12/07/22 MONTH ENDED 11/30/22 PAGE 4

FUND	01	GENERAL	FUND

	ACTUAL	BUDGET			ACTUAL-		
COST	CURRENT	CURRENT	ACTUAL	BUDGET	BUDGET	VAR	TOTAL
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	왕	BUDGET
A042 LAB - PRETREATMENT	213.54	0	4,776.11	0	.00	. 0	0
A043 LAB - SURCHARGE PROGRAM	3,463.78	0	7,174.07	0	.00	.0	0
A044 LAB - BOD	.00	0	84.91	0	.00	.0	0
A045 LAB - SOLIDS	279.64	0	1,054.99	0	.00	.0	0
A046 LAB - AMMONIA	.00	0	310.64	0	.00	.0	0
A047 LAB - MICRO	.00	0	257.26	0	.00	.0	0
A048 LAB - ENERGY RECOVERY	1,130.54	0	6,638.10	0	.00	.0	0
SECT A TOTALS	14,711.76	21,660	143,171.66	162,460	19,288.34-	11.9-	268,050
SECT B OPERATIONS AND MAINTENANCE	:========	=======	========	=======	=========	======	=======
B112 COMMUNICATION	596.83	350	1,348.04	2,550	1,201.96-	47.1-	4,300
B114 CHEMICALS	239.68	2,000	10,971.36	14,500	3,528.64-	24.3-	24,500
B115 EQUIPMENT/EQUIPMENT REPAIR	138.90	3,000	4,295.16	21,000	16,704.84-	79.6-	36,000
B116 SUPPLIES	2,039.21	2,000	9,761.31	15,900	6,138.69-	38.6-	24,900
B117 EMPLOYEE/DUTY COSTS	30.08	460	1,280.76	3,200	1,919.24-	60.0-	5,500
B122 MONITORING EQUIPMENT	900.00	2,250	900.00	7,250	6,350.00-	87.6-	9,500
B123 OUTSIDE LAB SERVICES	2,503.49	2,000	10,993.84	14,000	3,006.16-	21.5-	23,000
SECT B TOTALS	6,448.19	12,060	39,550.47	78,400	38,849.53-	49.6-	127,700
= SECT C VEHICLES	:========	:=======	========	=======	=========	======	:=======
C222 GAS/FUEL	9.95	50	452.62	400	52.62	13.2	650
C225 OPERATION/REPAIR	.00	0	4.29	150	145.71-	97.1-	250
C226 VEHICLE PURCHASES	.00	0	.00	18,500	18,500.00-	100.0-	18,500
SECT C TOTALS	9.95	50	456.91	19,050	18,593.09-	97.6-	19,400
DEPT 13 TOTALS	21,169.90	33,770	183,179.04	259,910	 76,730.96-	======= 29.5-	415,150
= DEPT 14 O & M EXPENSES - SEWER SYSTEM		========	========	=======	========	=======	=======
CECE A CALADIEC AND MACEC							
SECT A SALARIES AND WAGES A006 ENGINEERING	1,360.44	776	3,459.28	5,818	2,358.72-	40.5-	9,600
A050 SEWER MAINTENANCE - BUDGET	.00		.00	126,734	51,089.68		202,800
A050 SEWER MAINTENANCE - BODGET A051 SEWER MAINTENANCE	21,884.65		167,766.95	120,734		.0	202,000
A054 SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	1,355.07		10,056.73	0	.00		0
A060 INSPECTION - BUDGET	.00		.00		68,567.24-		294,400
A061 INSPECTION - NEW CONSTRUCTION	.00		2,255.52	103,974	.00		294,400
A062 INSPECTION - NEW CONSTRUCTION  A062 INSPECTION - CONSTRUCTION OF DGSD PROJECTS				0		.0	0
A062 INSPECTION - CONSTRUCTION OF DGSD PROJECTS A063 INSPECTION - PERMIT INSPECTIONS	1,615.82		33,565.01 8,514.27	0	.00		0
A064 INSPECTION - MISCELLANEOUS	1,015.02	0	15,500.52	0	.00	.0	0
A064 INSPECTION - MISCELLIANEOUS  A065 INSPECTION - CONSTR BY VILLAGES, UTILITIES			17,450.95	0	.00	.0	0
	1,326.20	0					
A066 INSPECTION - CODE ENFORCEMENT	5,744.77		38,120.49	0 960	.00 2,806.70	.0 292.4	1 550
A070 SEWER INVESTIGATIONS - BUDGET	184.90		3,766.70	960	.00	.0	1,550 0
A072 SEWER INVESTIGATIONS A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE	.00	52	.00	392		100.0-	650
SECT A TOTALS	37,386.07				 17,421.58-		509,000
					· ==========		

DATE 12/07/22 MONTH ENDED 11/30/22 PAGE 5 FUND 01 GENERAL FUND

	ACTUAL	BUDGET			ACTUAL-		
COST	CURRENT	CURRENT	ACTUAL	BUDGET	BUDGET	VAR	TOTAL
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	%	BUDGET
	========	=======	========	:=======	:========	======	=======
SECT B OPERATIONS AND MAINTENANCE	404 11	1 100	2 020 12	7 000	4 060 07	E1 4	12 400
B112 COMMUNICATION B113 EMERGENCY/SAFETY EQUIPMENT	484.11 479.33	1,100	3,839.13 2,504.63	7,900 1,800	4,060.87- 704.63	51.4- 39.2	13,400 2,800
B115 EQUIPMENT/EQUIPMENT REPAIR	855.14	4,920	46,455.54	34,440	12,015.54	34.9	59,000
B116 SUPPLIES	239.29	375	2,506.83	2,775	268.17-	9.7-	4,650
B117 EMPLOYEE/DUTY COSTS	260.07	1,125	3,449.57	7,975	4,525.43-	56.8-	13,600
B124 CONTRACT SERVICES	.00	8,750	126,724.40	61,250	65,474.40	106.9	105,000
B127 JULIE SYSTEM	3,982.89	0,750	7,965.80	8,050	84.20-	1.1-	16,100
B128 OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM	.00	1,000	6,017.00	10,000	3,983.00-	39.8-	15,000
B129 REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGE	.00	1,000	3,541.00	7,000	3,459.00-	49.4-	12,000
B900 SEWER SYSTEM REPAIRS - BUDGET	.00	545,830	.00	2,420,780	1,841,087.64-		3,796,600
B901 SEWER SYSTEM REPAIRS - I/I PROGRAM	.00	0	16,436.31	0	.00	.0	0
B902 SEWER SYSTEM REPAIRS - REPLACEMENT	9,150.00	0	27,686.35	0	.00	.0	0
B910 SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	39,461.73	0	435,148.67	0	.00	. 0	0
B911 SEWER SYSTEM REPAIRS - BSSRAP - TARGET I/I	.00	0	350.00	0	.00	. 0	0
B913 SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/R	.00	0	9,275.44	0	.00	. 0	0
B929 ARRA LOAN PRINCIPAL REPAYMENT	.00	0	90,795.59	0	.00	. 0	0
	========	=======	· ==========	:=======	:========	=======	========
SECT B TOTALS	54,912.56	564,300			1,779,273.74-		4,038,150
SECT C VEHICLES							
C222 GAS/FUEL	63.40	1,800	14,454.57	13,000	1,454.57	11.2	22,000
C225 OPERATION/REPAIR	33.32	600	3,786.19	4,200	413.81-	9.9-	7,000
SECT C TOTALS	96.72	2,400	18,240.76	17,200	1,040.76	6.1	29,000
					=========		
DEPT 14 TOTALS	92,395.35	609,084	1,101,393.44	2,897,048	1,795,654.56-	62.0-	4,576,150
= DEPT 15 O & M EXPENSES - LIFT STATIONS		=======	========	:=======	:========	======	=======
SECT A SALARIES AND WAGES							
A006 ENGINEERING	.00	570	300.50	4,272	3,971.50-	93.0-	6,850
A009 OPERATIONS MANAGEMENT	.00	22	1,154.72	179	975.72	545.1	300
A030 BUILDING AND GROUNDS	.00	59	.00	443	443.00-	100.0-	750
A080 LIFT STATION MAINTENANCE	1,002.80	1,937	7,715.11	12,922	5,206.89-		
SECT A TOTALS	1,002.80	2,588	9,170.33	17,816	8,645.67-	48.5-	29,550
= SECT B OPERATIONS AND MAINTENANCE	=========	=======	========		:========	======	=======
B100 ELECTRICITY	302.07	10,250	96,599.84	76,750	19,849.84	25.9	128,000
B104 FUEL - GENERATORS	.00	900	1,787.74	2,850	1,062.26-	37.3-	3,750
B112 COMMUNICATION	277.02	500	2,049.39	4,000	1,950.61-	48.8-	6,300
B113 EMERGENCY/SAFETY EQUIPMENT	300.00	500	300.00	1,000	700.00-	70.0-	1,000
B116 SUPPLIES	46.28	100	98.92	300	201.08-	67.0-	300
B520 EQPT/EQPT REPAIR - BUTTERFIELD	.00	181	610.63	1,267	656.37-	51.8-	2,175
B521 EQPT/EQPT REPAIR - CENTEX	.00	163	4,414.05	1,141	3,273.05	286.9	1,950
B522 EQPT/EQPT REPAIR - COLLEGE	.00	2,880	2,305.02	20,160	17,854.98-	88.6-	34,575
B523 EQPT/EQPT REPAIR - EARLSTON	.00	162	832.58	1,134	301.42-	26.6-	1,940
B524 EQPT/EQPT REPAIR - HOBSON	19,176.00	2,920	25,944.83	20,440	5,504.83	26.9	35,000

TREASURER'S REPORT

DATE 12/07/22 MONTH ENDED 11/30/22 PAGE 6 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
B525 EQPT/EQPT REPAIR - LIBERTY PARK	.00	390	6,079.63	2,730	3,349.63	122.7	4,660
B526 EQPT/EQPT REPAIR - NORTHWEST	.00	1,820	391.49	12,740	12,348.51-	96.9-	21,850
B527 EQPT/EQPT REPAIR - VENARD	2,001.24	320	32,061.25	2,240	29,821.25	1,331.3	3,800
B528 EQPT/EQPT REPAIR - WROBLE	.00	770	2,820.52	5,390	2,569.48-	47.7-	9,200
B529 EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	5,407.04	5,030	8,289.52	35,210	26,920.48-	76.5-	60,400
B820 BLDG AND GROUNDS - BUTTERFIELD	173.50	0	1,000.30	0	1,000.30	.0	0
B821 BLDG AND GROUNDS - CENTEX	181.90	0	1,052.80	0	1,052.80	.0	0
B823 BLDG AND GROUNDS - EARLSTON	168.25	0	1,025.50	0	1,025.50	.0	0
B824 BLDG AND GROUNDS - HOBSON	194.50	0	2,042.52	20,000	17,957.48-	89.8-	20,000
B825 BLDG AND GROUNDS - LIBERTY PARK	189.25	0	2,637.50	0	2,637.50	.0	0
B826 BLDG AND GROUNDS - NORTHWEST	377.69	0	1,295.84	0	1,295.84	.0	0
B827 BLDG AND GROUNDS - VENARD	181.90	0	1,052.80	5,000	3,947.20-	78.9-	5,000
B828 BLDG AND GROUNDS - WROBLE	189.25	0	895.25	8,250	7,354.75-	89.2-	8,250
B829 BLDG AND GROUNDS - LIFT STATIONS GENERAL	.00	2,425	346.64	16,975	16,628.36-	98.0-	29,100
SECT B TOTALS	29,165.89	29,311	195,934.56	237,577	41,642.44-	17.5-	377,250
DEPT 15 TOTALS	30,168.69	31,899	205,104.89	255,393	50,288.11-	19.7-	406,800
SECT E INSURANCE AND EMPLOYEE BENEFITS							
E452 LIABILITY/PROPERTY	.00	0	226,199.98	231,000	4,800.02-	2.1-	231,000
E452 EMPLOYEE GROUP HEALTH	45,186.89	50,000	304,338.30	350,000	45,661.70-		597,300
E460 IMRF	20,533.40	25,160	159,259.96	182,040	22,780.04-		296,000
E461 SOCIAL SECURITY	18,059.57	20,825	142,611.87	150,675	8,063.13-	5.4-	245,000
SECT E TOTALS	83,779.86	95,985	832,410.11	913,715	81,304.89-	8.9- 1	,369,300
DEPT 17 TOTALS	83,779.86	95,985	832,410.11	913,715	81,304.89-		.,369,300
DEPT 91 SA EXPENSE							
DEPT 91 TOTALS	.00	0	.00	0	.00	(	)
FUND EXPENSE TOTAL	533,353.89	1,345,464	5,102,599.00	7,968,518	2,865,919.00-	36.0-12	2,515,350
FUND 01 TOTALS	350,466.54-	118,318	1,697,391.09-	1,113,163	2,810,554.09-	252.5- 1	,508,600

DATE 12/07/22 MONTH ENDED 11/30/22 PAGE 7

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 3010 TRUNK SEWER SERVICE CHARGES 3035 INTERFUND TRANSFER	2,115.42- 4,290.90- .00	7,500- 0	9,160.42- 98,658.68- 250,000.00-	150- 52,500- 250,000-	90,000- 500,000-		
DEPT 05 TOTALS	6,406.32-	7,520-	357,819.10-	302,650-	590,250-		
DEPT 30 CAPITAL EXP - ARRA - LOAN REPAYMENTS		=======	========	=======	=======	=======================================	
0500 PROJECT BUDGET 0515 PAYMENT ON LOAN PRINCIPAL	.00	0	.00 46,595.52	46,600	93,200		
DEPT 30 TOTALS	.00	0	46,595.52	46,600	93,200		
DEPT 36 CAPITAL EXP - LIBERTY PARK LIFT STAT		=======	========		=======		
DEPT 36 TOTALS	.00	0	.00	0	0		
DEPT 47 CAPITAL EXP - CENTEX LIFT STATION UP		=======	========	=======	========		
0500 PROJECT BUDGET	.00	186,000	.00	642,000	1,538,000		
0504 CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVI		0 ======	9,810.00 ======	0	0		
DEPT 47 TOTALS	350.00	186,000	9,810.00	·	1,538,000		
DEPT 48 CAPITAL - VENARD LIFT STATION UPGRAI							
0500 PROJECT BUDGET	.00	0	.00	0	50,000		
DEPT 48 TOTALS	.00	0	.00	0	50,000		
DEPT 74 CAPITAL EXP - SEWER - UNSEWERED AREAS							
0500 PROJECT BUDGET	.00	0	.00	0			
DEPT 74 TOTALS	.00	0	.00	0	500		
FUND EXPENSE TOTAL	350.00	186,000	56,405.52	688,600	1,681,700		
FUND 02 TOTALS			301,413.58-				

\_\_\_\_\_\_

DATE 12/07/22 MONTH ENDED 11/30/22 PAGE 8

DEPT 39 CAPITAL EXP - WWTC - GRIT BLOWER REPLACEMENT

FUND 03 CONSTRUCTION FUND

ACTUAL BUDGET COST CURRENT CURRENT ACTUAL BUDGET TOTAL NUMBER DESCRIPTION MONTH MONTH Y-T-DY-T-D BUDGET REVENUES 3007 INTEREST ON INVESTMENTS 2,054.05-100- 8,211.29- 700- 1,200-3009 SEWER PERMIT FEES 16,695.00- 20,833- 160,233.00- 145,831- 250,000-\_\_\_\_\_\_ 18,749.05- 20,933- 168,444.29- 146,531- 251,200-DEPT 05 TOTALS \_\_\_\_\_\_ DEPT 30 CAPITAL EXP - ARRA - LOAN REPAYMENTS 0 .00 14,450 28,900 0500 PROJECT BUDGET .00 0 14,403.64 0 0515 PAYMENT ON LOAN PRINCIPAL .00 \_\_\_\_\_\_ DEPT 30 TOTALS .00 0 14,403.64 14,450 28,900 \_\_\_\_\_\_ DEPT 31 CAPITAL EXP - WWTC - CHP BIOGAS \_\_\_\_\_\_ 0 .00 0 DEPT 31 TOTALS \_\_\_\_\_\_ DEPT 32 CAPITAL EXP - WWTC - SECOND TURBOBLOWER \_\_\_\_\_\_ .00 0 .00 0 0 DEPT 32 TOTALS \_\_\_\_\_\_ CAPITAL EXP - WWTC - DIGESTER MIXING/GAS PIPING DEPT 33 \_\_\_\_\_\_ DEPT 33 TOTALS .00 0 .00 0 \_\_\_\_\_\_ DEPT 34 CAPITAL EXP - WWTC - GREASE WASTE DELIVERY RAMP \_\_\_\_\_\_ .00 .00 DEPT 34 TOTALS 0 0 0 \_\_\_\_\_\_ DEPT 35 CAPITAL EXP - WWTC - CHP BIOGAS PHASE 2 \_\_\_\_\_\_ .00 0 .00 DEPT 35 TOTALS 0 Ω \_\_\_\_\_\_ DEPT 37 CAPITAL EXP - WWTC - GREASE RECEIVING STATN NO2 \_\_\_\_\_\_ 0 .00 0 DEPT 37 TOTALS \_\_\_\_\_\_ DEPT 38 CAPITAL EXP - WWTC - PROPERTY ACQUISITION \_\_\_\_\_\_ DEPT 38 TOTALS .00 0 \_\_\_\_\_\_

DATE 12/07/22 MONTH ENDED 11/30/22 PAGE 9

FUND 03 CONSTRUCTION FUND

		ACTUAL	BUDGET				
	COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL	
NUMBER	DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	BUDGET	
=======							
		==========			=======	=======	
DEPT	39 TOTALS	.00	0	.00	0	0	
		==========					
DEPT 40	CAPITAL EXP - WWTC - LOAN REPAYMEN	T					
		==========					
DEPT	40 TOTALS	.00	0	.00	0	0	
		==========			=======	=======	
FUND	EXPENSE TOTAL	.00	0	14,403.64	14,450	28,900	
		==========			=======	=======	
FUND	03 TOTALS	18,749.05-	20.933-	154.040.65-	132.081-	222.300-	

-----

DATE 12/07/22 MONTH ENDED 11/30/22 PAGE 10

FUND 05 PUBLIC BENEFIT FUND

		ACTUAL	BUDGET			
	COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL
NUMBER	DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	BUDGET
========		========	=========		=======	
DEPT 05	REVENUES					
DEDE (	= D5 TOTALS	.00	0	.00	·======= 0	0
DEPI (	J5 TOTALS	.00		.00		
DEPT 59	- CAPITAL EXP - SEWER - SEWER EXTENSIO	NS				
2211 33						
	=	========	=========		:=======	
DEPT 5	59 TOTALS	.00	0	.00	0	0
	=		========		========	
DEPT 65	CAPITAL EXP - SEWER - REIMB FOR ADDE	D DEPTH				
	=	========			:=======	
DEPT 6	55 TOTALS	.00	0	.00	0	0
	=	========	=========		:=======	
FUND E	EXPENSE TOTAL	.00	0	.00	0	0
EIIND (	= D5 TOTALS	.00			.=======	0
FUND (	OTATO1	.00	0	.00	0	U

DATE 12/07/22 MONTH ENDED 11/30/22 PAGE 11

FUND 71 SEWER EXTENSIONS ESCROW

FUND 71 TOTALS

COST NUMBER 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		.00	0	0	

0 .00 0

\_\_\_\_\_\_

.00

## **WWTC Operations Data – October**

The DMR for October indicates that the final effluent averaged 0.68 mg/l CBOD, 0.4 mg/l suspended solids and 0.10 mg/l ammonia nitrogen over a daily average flow of 6.57 MGD. There were no permit excursions in October.

# Financial Data - October

In October, the District received \$887,586 in the General fund, including \$337,032 in user charges, \$28,844 in surcharges and \$382,099 in monthly fees. General fund expenses totaled \$750,506. The Improvement fund had revenues of \$7,113 and expenses of \$47,989. The Construction fund had revenues of \$16,117 and expenses of \$14,404.

# **Sewer Permits – October**

There were 17 sewer permits issued in October – 6 single family, 7 repair, 1 commercial, and 3 disconnections.

#### Personnel

Samantha (Sam) Gudewicz will be starting on Monday, November 21 as our new Lab Analyst. Please be sure to welcome her to the District!

We have extended an offer for the Maintenance Mechanic position.

#### **Employee Holiday Function - CANCELLED**

We have made the decision to cancel the holiday brunch we had scheduled for December 11 due to lack of interest. All employees will receive the \$50 Amazon gift card the District offers to those that are unable to attend. We will be planning an employee outing for early 2023, so please stay tuned!

#### **Voluntary Life Insurance**

Final reminder, November 30 is the deadline for the open enrollment period for the Voluntary Group Life Plan from the National Conference on Public Employees Retirement Systems (NCPERS). This plan is available only through IMRF's participation in NCPERS and our participation in IMRF. If you need the enrollment information, please see Carly Shaw.

## Server Reboot Monday, November 21

Concentric will be performing preventative maintenance on the server on Monday, November 21. Once completed they will need to reboot the servers which means you will lose access for a short time to the network. They will inform us prior to doing the reboot, and we will post on Teams in advance of that happening so that you can save your work.

# Bring your Laptop to Work Day, November 29

Concentric will be performing updates on District issued laptops on Tuesday, November 29. If you have a District issued laptop at home, you will need to bring it into the office on that day to ensure that all updates are installed properly. Updates are critical in protecting the District's system from cyberattacks.

### COVID-19

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

## Sewer Rehabilitation/Infiltration and Inflow Removal

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

# **Status of Projects**

1) 001 Outfall Pipe Repair

The contractor is verifying the length of pipe needed to repair the sag and is expected to order the pipe soon.

2) Centex Lift Station Replacement

The contractor is anticipating that all major equipment will be received by the end of the year and has proposed to start construction in late winter/early spring.

3) Administration Center Modifications

Shop drawing review is ongoing.

4) Curtiss Street Trunk Sewer Rehabilitation

The District is currently drafting the work plan required to be submitted to EPA in order to obtain the funding.

5) WWTC/Lift Station Building Code Review

The District has reviewed the draft code review report.

6) 2022 Painting

The tunnel work will start soon.

# The District would like to wish you all a very Happy Thanksgiving!!

# **Personnel**

An offer has been accepted for the Maintenance Mechanic position. We are currently awaiting the post offer screening results and will announce the who the new person is once we have a start date scheduled.

# **Employee Holiday Function - CANCELLED**

Reminder, we have made the decision to cancel the holiday brunch we had scheduled for December 11. All employees will receive the \$50 Amazon gift card which will be distributed by your supervisor mid-December. We will be planning an employee outing for early 2023, so please stay tuned!

Something to note regarding this is that when a gift card is given to employees it is considered to be a cash equivalent that must be reported to the IRS on your W-2 as part of your gross wages. The amount is subject to federal withholding, social security and Medicare tax, and state tax withholding. In order to comply, we must add the gift card amount to your pay for 2022 and will do so by including a non-cash line item on your check **for pay ending 12/24/22 for employees and 12/15/22 for supervisors**. This will add the amount to your gross pay to be taxed but will not increase the cash amount of your check. As a result, the District will be withholding the appropriate additional tax amounts associated with this imputed income of \$50 in accordance with an employee's withholding forms on file. If you have any questions or concerns, please contact Carly or Amy.

#### **Paychecks**

Employees should note that paychecks for the period ending December 15 for supervisors will be paid on Monday, December 19 and that paychecks for the period ending December 24 for hourly employees will be paid on Friday, December 30. Those two payrolls will be the last wages for 2022 for tax purposes. Please submit timekeeping as promptly as possible for these periods to ensure timely processing of payroll and end of year financial wrap-up. If you are planning to take paid leave the week of December 26, please be sure to submit your timekeeping beforehand.

# **Top Health**

December's Top Health is enclosed.

#### COVID-19

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

# Sewer Rehabilitation/Infiltration and Inflow Removal

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

# **Status of Projects**

1) 001 Outfall Pipe Repair

The contractor is verifying the length of pipe needed to repair the sag and is expected to order the pipe soon.

2) Centex Lift Station Replacement

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

3) Administration Center Modifications

A pre-construction meeting was held this week. The contractor still needs to submit shop drawings on the major items.

4) Curtiss Street Trunk Sewer Rehabilitation

The District expects to submit the work plan to EPA soon.

5) WWTC/Lift Station Building Code Review

The District has reviewed the draft code review report and is meeting with B&W next week to discuss our comments.

6) 2022 Painting

The tunnel work is ongoing.

7) Admin Server Replacement

The new server has been installed in the server rack in the Admin Center.

The file server will be migrated from the old server to the new server starting at 10 p.m. on Saturday, December 3. The work is expected to be completed by Monday morning. **Please** note that the file server will not be available during this time.

The accounting server, SCADA 2 server and the remote desktop server (i.e., thin client server) are expected to be migrated to the new server next week. We will coordinate with any affected employees as needed.

# **Illinois Wastewater Surveillance System**

The December 2022 report on SARS-CoV-2 data from our facility is attached for your information.

### **Personnel**

Please help welcome Aaron Gutierrez to the District as our new Maintenance Mechanic. Aaron started on Monday, December 12<sup>th</sup>.

# **Employee Gift**

As a reminder, with the gift card you received from the District that when a gift card is given to employees it is considered to be a cash equivalent that must be reported to the IRS on your W-2 as part of your gross wages. The amount is subject to federal withholding, social security and Medicare tax, and state tax withholding. In order to comply, we must add the gift card amount to your pay for 2022 and will do so by including a non-cash line item on your check **for pay ending 12/24/22 for employees and 12/15/22 for supervisors**. This will add the amount to your gross pay to be taxed but will not increase the cash amount of your check. As a result, the District will be withholding the appropriate additional tax amounts associated with this imputed income of \$50 in accordance with an employee's withholding forms on file. If you have any questions or concerns, please contact Carly or Amy.

# **Paychecks**

Employees should note that paychecks for the period ending December 15 for supervisors will be paid on Monday, December 19 and that paychecks for the period ending December 24 for hourly employees will be paid on Friday, December 30. Those two payrolls will be the last wages for 2022 for tax purposes. Please submit timekeeping as promptly as possible for these periods to ensure timely processing of payroll and end of year financial wrap-up. If you are planning to take paid leave the week of December 26, please be sure to submit your timekeeping beforehand.

# COVID-19

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

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

# Sewer Rehabilitation/Infiltration and Inflow Removal

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

# **Status of Projects**

# 1) 001 Outfall Pipe Repair

The contractor is verifying the length of pipe needed to repair the sag and is expected to order the pipe soon.

# 2) Centex Lift Station Replacement

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

## 3) Administration Center Modifications

The contractor still needs to submit shop drawings on the major items.

# 4) Curtiss Street Trunk Sewer Rehabilitation

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

# 5) WWTC/Lift Station Building Code Review

B&W is working on the final report.

# 6) 2022 Painting

The tunnel work is complete.

# 7) Admin Server Replacement

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

# DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER Wastewater Report, November 2022

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

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

# SARS-COV-2 LEVELS IN WASTEWATER

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

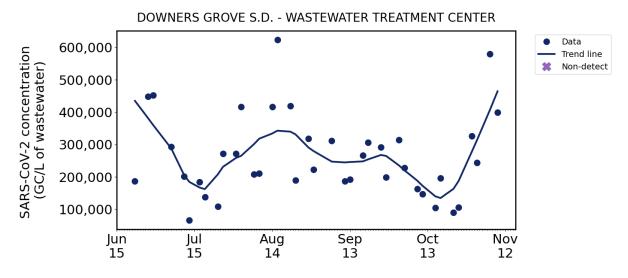


Figure 1. Time series plot of SARS-CoV-2 viral concentrations in gene copies per liter (GC/L) of wastewater.

# **SAMPLING RESULTS - LAST 8 SAMPLES**

Date	GC/L wastewater
2022-11-09	399,375
2022-11-06	579,600
2022-11-01	243,300
2022-10-30	326,700
2022-10-25	105,300



2022-10-23	89,700
2022-10-18	195,525
2022-10-16	103,950

# SARS-COV-2 LINEAGES IN WASTEWATER

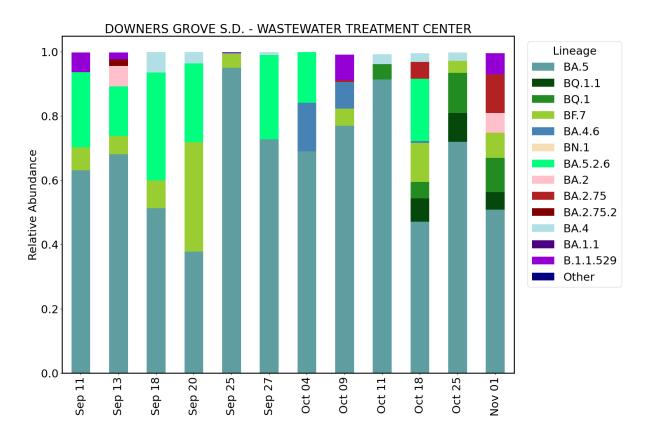


Figure 2. Stacked barplot showing the relative abundances of Sars-CoV-2 lineages in wastewater samples. All lineages in the legend, excluding "Other," are associated with Omicron.

The most recently available two months worth of data are shown.

# **Guide to Interpreting Data on SARS-CoV-2 Gene Copies in Wastewater Samples**

## What do the results mean?

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



time is an indicator that cases may be increasing in the community. Wastewater data should not be interpreted in isolation but rather considered alongside other public health metrics.

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

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

# How are the gene copies measured in the wastewater?

Wastewater samples are first processed to concentrate and isolate genetic material (RNA) that is present in the sample. RNA sequences specific to SARS-CoV-2 are then detected and quantified using a molecular biology tool called digital polymerase chain reaction (dPCR). During dPCR, a targeted segment of the RNA (most commonly the N1 or N2 gene) 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 RNA in the wastewater sample is below the level that can be reliably detected by the quantification methods used in a given laboratory. A determination of non-detect does not necessarily mean that no SARS-CoV-2 RNA is present in the sample or in the system—rather that the levels are low enough that they cannot be reliably determined. In some cases, other components of wastewater may interfere with individual measurements, leading to an incorrect non-detection similar to false negatives that can occur from at-home and clinical testing. A non-detect does not necessarily mean that there are no infected individuals within the associated community.

# What is the viral gene copy trend line?

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

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

There are not presently agreed-upon methods for translating concentration of SARS-CoV-2 genetic material in wastewater into a measure of how many people, or even what percentage of a community, have COVID-19. Variability between different wastewater sources, treatment facilities, and communities makes it difficult to translate the SARS-CoV-2 GC concentration into a measure of how many people are infected in the community. However, an upward or downward trend in SARS-CoV-2 GC/liter 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 GC/liter from a specific community over time can be used to help understand whether cases or hospitalizations are likely to increase or decrease in the community. Sample collection methods and mechanisms, collection times, and sample variability are other factors that discourage cross-site comparison.

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

# What are lineages and how are they determined?

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

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

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

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

# What is the sequencing plot showing me?

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



# DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER Wastewater Report, December 2022

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

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

# SARS-COV-2 LEVELS IN WASTEWATER

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

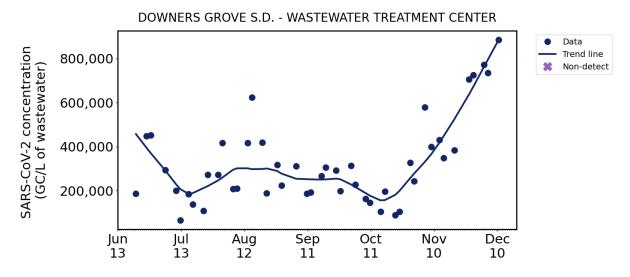


Figure 1. Time series plot of SARS-CoV-2 viral concentrations in gene copies per liter (GC/L) of wastewater.

## **SAMPLING RESULTS - LAST 8 SAMPLES**

Date	GC/L wastewater
2022-12-11	885,750
2022-12-06	735,375
2022-12-04	772,500
2022-11-29	724,650
2022-11-27	706,050



2022-11-20	382,950
2022-11-15	349,500
2022-11-13	431,475

# **SARS-COV-2 LINEAGES IN WASTEWATER**

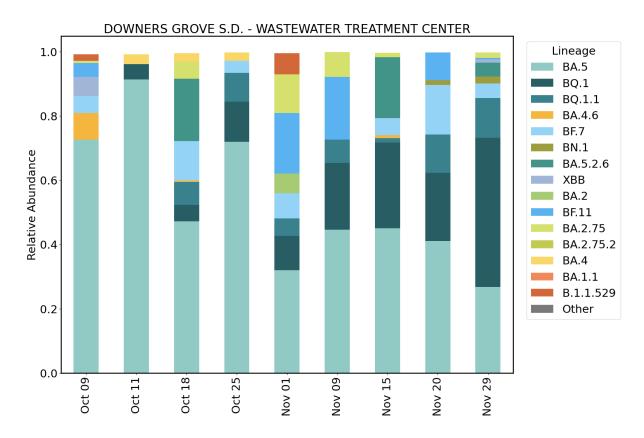


Figure 2. Stacked barplot showing the relative abundances of Sars-CoV-2 lineages in wastewater samples. All lineages in the legend, excluding "Other," are associated with Omicron.

The most recently available two months worth of data are shown.

# **Guide to Interpreting Data on SARS-CoV-2 Gene Copies in Wastewater Samples**

## What do the results mean?

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



time is an indicator that cases may be increasing in the community. Wastewater data should not be interpreted in isolation but rather considered alongside other public health metrics.

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

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

# How are the gene copies measured in the wastewater?

Wastewater samples are first processed to concentrate and isolate genetic material (RNA) that is present in the sample. RNA sequences specific to SARS-CoV-2 are then detected and quantified using a molecular biology tool called digital polymerase chain reaction (dPCR). During dPCR, a targeted segment of the RNA (most commonly the N1 or N2 gene) 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 RNA in the wastewater sample is below the level that can be reliably detected by the quantification methods used in a given laboratory. A determination of non-detect does not necessarily mean that no SARS-CoV-2 RNA is present in the sample or in the system—rather that the levels are low enough that they cannot be reliably determined. In some cases, other components of wastewater may interfere with individual measurements, leading to an incorrect non-detection similar to false negatives that can occur from at-home and clinical testing. A non-detect does not necessarily mean that there are no infected individuals within the associated community.

# What is the viral gene copy trend line?

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

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

There are not presently agreed-upon methods for translating concentration of SARS-CoV-2 genetic material in wastewater into a measure of how many people, or even what percentage of a community, have COVID-19. Variability between different wastewater sources, treatment facilities, and communities makes it difficult to translate the SARS-CoV-2 GC concentration into a measure of how many people are infected in the community. However, an upward or downward trend in SARS-CoV-2 GC/liter 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 GC/liter from a specific community over time can be used to help understand whether cases or hospitalizations are likely to increase or decrease in the community. Sample collection methods and mechanisms, collection times, and sample variability are other factors that discourage cross-site comparison.

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

# What are lineages and how are they determined?

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

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

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

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

# What is the sequencing plot showing me?

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



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



General Manager Amy R. Underwood

Legal Counsel
Michael G. Philipp

2710 Curtiss Street P.O. Box 1412 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

VIA EMAIL: sheryl.markay@dupageco.org

November 30, 2022

Chairman Dan Cronin DuPage County Attn: Sheryl Markay, Chief Policy and Program Officer 421 N. County Farm Road Wheaton, IL 60187

Re: Downers Grove Sanitary District Updates

Dear Chairman Cronin:

In accordance with County Ordinance OCB-001-11, enclosed are copies of the following updated Downers Grove Sanitary District documents:

- Annual Financial Report for Fiscal Year Ending April 30, 2022 including all required correspondence with the District and its Auditors. The District's Board of Trustees accepted this report at their regular September 27, 2022 meeting;
- Comprehensive Annual Financial Report (CAFR) for the fiscal year ended April 30, 2022 which was electronically submitted to the Illinois State Comptroller's Office on October 27, 2022;
- Procurement Policy Revisions. The District's Board of Trustees adopted this at their regular October 18, 2022 meeting; and
- Ordinance No. ORD 2022-02 Amending Local Limits (effective November 27, 2022)

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Amy R. Underwood General Manager

**Enclosures** 

cc: Board of Trustees





#### Dave Gorman

The DRSCW has a hard-working Chlorides Committee comprised of representatives of the Illinois State Toll Highway Authority, the Illinois Department of Transportation, the DuPage County Division of Transportation, and a few municipalities. We are proud of the annual Deicing Workshops that we've held since 2008. Over these 14 years, hundreds of attendees have learned the best management practices for smart salting and that a successful program starts with a clearly stated and intentional level of service policy.

It used to be common practice to just spread as much salt as possible during an ice or snow event with the simple goal of obtaining and maintaining black pavement. Indiscriminate operational practices produced unrealistic expectations, wasted salt supplies, wore out employees, damaged parkways, and polluted waterways. There was so much room for improvement.

Defining the desired levels of service based on your judgement of what is prudent, affordable, and realistic allows public agencies to work toward and increasingly succeed in meeting goals. As experience builds with each passing event, ask yourself: Do you have well defined levels

of service objectives clearly stated in your Snow Plan? Are they communicated to your citizens before and during snow responses? Do they differ between arterials, collectors, local roads, and cul-de-sacs? Is the expectation the same at 3AM as at 5PM? How thin do your ranks become when the operation extends over multiple days, and other priorities such as water main breaks and other emergencies need to be addressed?

By measuring our in-stream water chemistry over many years, we've come to better understand the ecological benefits of better salt management. Road salt is indeed a serious stressor to aquatic life, and it plays a significant role in holding us back from meeting our obligations under the Clean Water Act. The managers and drivers that have attended our workshops better understand the impact of their winter operations, and they are more empowered to contribute ideas on how to adjust operations to meet the simultaneous public goals of safe roads, controlled costs, continuity of operations, and environmental stewardship. Thank you for your membership, and I wish you all a safe and smart start to your winter operations.

DRSCW —————Page 2

# NPS STUDY — RECOMMENDATIONS

#### **DRSCW Staff**

With assistance from DuPage County Stormwater Management and Baxter and Woodman Engineering, the DRSCW and the Lower DuPage River Watershed Coalition (LDRWC) have completed a non-point source (NPS) phosphorus reduction analysis. This analysis sought to quantify phosphorous capture by current street sweeping and leaf litter removal practices, and then make recommendations on how such practices might be expanded or optimized. The study covered the watersheds of the DuPage River (West Branch, East Branch, and Main Stem) and Salt Creek (see Figure 1 below).

Using data gathered from 95 agencies and the Minnesota Pollution Control Agency Street Sweeping Credit Calculator, it was estimated that between 6,870 and 12,021 lbs. of phosphorous are captured annually via street sweeping. This value is based on the 25th-50th percentiles from the Calculator, giving us a conservative but realistic estimate. While that's quite a bit, it only represents between 0.6% and 1% of the approximated 1,129,419 lbs. per year released from publicly owned treatment plants (based on 2019 figures). As such, it's clear that the lion's share of future reductions will have to occur

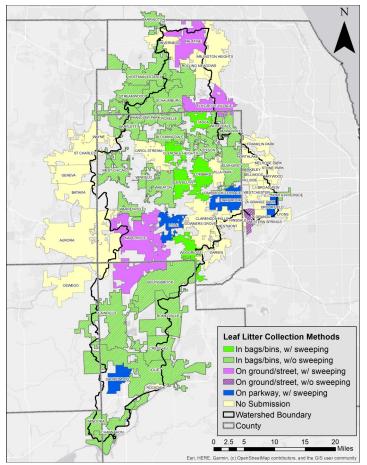


Figure 1. Map of municipalities within the NPS study area. Green shading indicates agencies that collect leaves in bins or bags. Purple shading indicates leaves are collected from the street. Blue shading indicates collection from the parkway. Solid areas undergo street sweeping after collection and hatched areas do not. Yellow shading indicates no data.

at waste water treatment plants.

Since most agencies already sweep streets and perform leaf litter pickup, it is clear that there is not a need to fill a void of these practices. Rather, this analysis and supporting studies do suggest a number of ways that more phosphorous may be captured with slight changes to the existing practices. So far, no attempt has yet been made to set reduction goals by these recommendations. However, they are listed here in an approximate descending order of importance. It should be noted that changing the seasonal frequency of street sweeping may capture more phosphorous but may also diminish the capture of other pollutants:

USGS and other studies show the majority of phosphorous in stormwater is produced by rain falling on leaf litter accumulated in the street (or other impervious surfaces). They also show that large decreases in stormwater phosphorus can be achieved via management actions (Figure 2). Increasing street sweeping frequency in the Fall, especially immediately after leaf collection would increase TP capture. Increased Fall frequency could be offset by reduced sweeping frequency during the Summer months, when less leaf litter is present.

A second, smaller influx of phosphorus is observed in the Spring. Increased Spring street sweeping will help remove high phosphorus organic material before it is leached by Spring rains. Again, increased Spring frequency could be offset by reduced sweeping frequency during the Summer months when less leaf litter is present.

The study also produced a high-resolution GIS canopy cover database to determine areas of the watershed with high effective canopy cover (areas with a relatively high percentage of right-of-way overlaid with canopy cover). Agencies can use this information to prioritize areas with high effective canopy cover for additional street sweeping and leaf litter removal in Spring and Fall and reduce frequency in areas with low effective canopy cover.

Many agencies utilize weather forecasting for winter deicing operations, and a similar system could be used for leaf collection and street sweeping in order to clear organic material before rainstorms. This can also help keep storm drains clear and minimize local ponding issues in streets.

The Nonpoint Source Phosphorus Reduction Feasibility Analysis is a permit condition of the Nutrient Implementation Plan, which is due to the Illinois EPA as part of our NPDES permit special condition in 2023. The full report and data can be found at the DRSCW website at <a href="https://www.drscw.org/activities/project-identification-and-prioritization-system/">www.drscw.org/activities/project-identification-and-prioritization-system/</a>

All DRSCW members are encouraged to share DuPage County Stormwater Management's guidance for citizens regarding leaf litter. Find their videos and brochure at <a href="https://www.drscw.org/activities/nutrient-management">www.drscw.org/activities/nutrient-management</a>

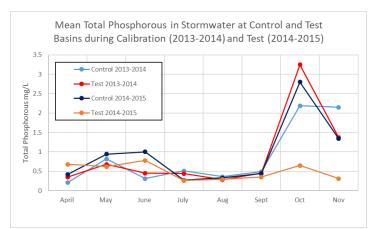


Figure 2. Total Phosphorus (TP) concentrations in two basins in Wisconsin over 2 years. Basin 1 (Control) shows elevated phosphorus in the fall for both years. Basin 2 (Test) shows elevated TP in the fall when no treatment is performed and shows over an 80% reduction in TP when stringent leaf removal practices are applied. (Selbig, W. R. (2016). Evaluation of leaf removal as a means to reduce nutrient concentrations and loads in urban stormwater. Science of the Total Environment, 571, 124-133.)

# LEVELS OF SERVICE IN WINTER MAINTENANCE

Dr Wilf Nixon, *President, Professional Snowfighters*Association

What exactly do we mean when we talk about levels of service in winter maintenance? How do they influence the winter maintenance operations conducted by our public works agencies?

Levels of service answers the problem "if you don't know where you're going, you'll end up somewhere else." Our levels of service should spell out what we want our winter maintenance operations to achieve. However, they need to be grounded in reality—what is suitable for a regular winter storm is likely unrealistic in the face of a blizzard dropping two feet of snow or a two-inch ice storm!

#### Who should set those levels of service?

Well, they should reflect the will of the people being served by the agency, which means, typically, that they should be set by elected officials. There are of course some constraints. I may declare personally that henceforth I shall only drive exotic supercars, but if my budget is more "used clunker," then my declarations are meaningless. So too with levels of service—they must reflect our available resources, in terms of budget, equipment, and personnel. So, our levels of service are appropriately set by our elected officials in the context of the constraints that impact our agency.

Related to this, the levels of service that we choose are also going to have impacts. "Higher" levels of service will not only consume more resources (equipment, materials, personnel), but will amplify environmental impacts. Every grain of salt and drop of brine that comes out of the back of the truck is in the environment, and only leaves the environment over time. Unlike most other pollutants, salt does not break down in the environment—it's with us until it physically leaves, down river into the ocean (and that time is a long time!).

#### What is the right level of service for a community?

There are lots of different opinions on that, and the answer differs in different parts of the U.S. For example, in some parts of the front range in Colorado, they do not even plow residential streets unless a storm drops more than 6 inches of snow! That may not work in your community. Elsewhere, major roads (arterials and the like) must be cleared from curb to curb, but residential streets may only need bare wheel tracks or may even just be plowed (leaving some snow behind over the whole road). It is generally a good idea to vary the level of service according to the traffic level on a given street or road. This might result in different end goals (so busy streets must be "bare and wet" while less busy might only need "bare wheel tracks") or in different times to achieve the same end goals. (So if the end goal is "bare and wet," then the time to achieve for busy streets is 6 hours after the end of a storm, while for less busy streets that time might be as long as 48 hours). Deciding on what is right for your community should involve a good deal of discussion and then a firm, and clearly articulated, decision.

#### Once the decision is made, it needs to be "kept."

There is no point in having levels of service if the first time somebody complains about their street you send a plow out to deal with it, even if the appropriate level of service has been achieved. Put another way, it is not just a one-time decision, but rather an ongoing management tool to allow your agency to conduct winter operations in the most appropriate way for your community. It is a good tool when used properly!





Do your actual levels of service match the needs of the road? (Image courtesy of Woodridge Public Works, road treated with anti-icing (left) versus untreated road (right), winter 2021-22).

### 2022 DEICING WORKSHOPS

The 2022 deicing workshops were held once again as online webinars. Planning and outreach was coordinated by Lake County and The Conservation Foundation staff while Bolton Menk (formerly Fortin) handled the presentations. Data collected from the workshop surveys indicated that at least 906 individuals attended, with 644 at Public Roads and 262 at Parking Lot & Sidewalks workshops. Three quarters of the survey respondents indicated that the online format was the same or better than in-person workshops.

# DuPage River Salt Creek Workgroup Members and Executive Board

Agency Members (blue)/ Associate Members (gray):

Village of Addison • AECOM • City of Aurora • Village of Arlington Heights • Baxter & Woodman • Village of Bartlett • Village of Bensenville • Black & Veatch • Cardno • Village of Bloomingdale • Village of Bolingbrook • The Conservation Foundation • Village of Carol Stream • Christopher B. Burke Engineering • Village of Clarendon Hills • Clark-Dietz • Deuchler Engineering • Donohue & Associates • Village of Downers Grove • Downers Grove Sanitary District • DuPage County • City of Elmhurst • Elmhurst-Chicago Stone Company • Engineering Resource Assoc. • Forest Preserve District of DuPage County • Geosyntec Consultants • Glenbard Wastewater Authority • Village of Glen Ellyn • Village of Glendale Heights • Village of Hanover Park • Hey & Associates • Village of Hinsdale • Village of Hoffman Estates • Huff & Huff • Illinois Department of Transportation • Illinois State Toll Highway Authority • Village of Itasca • Village of LaGrange Park • Village of Lisle • Lisle Township Highway Dept. • Village of Lombard • Metropolitan Water Reclamation District of Greater Chicago • The Morton Arboretum • City of Naperville • Naperville Park District • Naperville Township Road Dist. • City of Northlake • Village of Oak Brook • City of Oakbrook Terrace • Village of Palatine • Prairie Rivers Network • Robinson Engineering • Village of Roselle • Salt Creek Sanitary District • Salt Creek Watershed Network • Village of Schaumburg • Sierra Club, River Prairie Group • Strand Associates • Village of Western Springs • Village of Westmont • City of Wheaton • Wheaton Sanitary District • Village of Winfield • City of Wood Dale • Village of Woodridge • York Township Highway Department

#### **Executive Board**

President
Vice President
Susan Baert, Wheaton Sanitary District
Secretary/Treasurer
Members at Large
States Telephore Politicary Telephore Stream
States Telephore Politicary Telephore Stream

Steven Zehner, Robinson Engineering, Ltd.
Mary Beth Falsey, DuPage County Stormwater Management

Pinakin Desai, Metropolitan Water Reclamation District of Greater Chicago

#### **Committee Chairs**

Monitoring Jennifer Hammer, *The Conservation Foundation*Salt Creek Dennis Streicher, *Sierra Club—River Prairie Group*East Branch Larry Cox, *Downers Grove Sanitary District* 

West Branch Erik Neidy, Forest Preserve District of DuPage County
Projects Amy Underwood, Downers Grove Sanitary District

#### Staff

Director Stephen McCracken, The Conservation Foundation
Watershed Project Manager Deanna Doohaluk, The Conservation Foundation
Administrator Nancy Cinatl, The Conservation Foundation
Environmental Scientist Alex Handel, The Conservation Foundation



10S404 Knoch Knolls Road Naperville, IL 60565



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF WATER

December 5, 2022

# **MEMORANDUM**

**SUBJECT:** Addressing PFAS Discharges in NPDES Permits and Through the Pretreatment Program

and Monitoring Programs

**FROM:** Radhika Fox

Assistant Administrator

**TO:** EPA Regional Water Division Directors, Regions 1-10

The National Pollutant Discharge Elimination System (NPDES) program is an important tool established by the Clean Water Act (CWA) to help address water pollution by regulating point sources that discharge pollutants to waters of the United States. Collectively, the U.S. Environmental Protection Agency (EPA) and states issue thousands of permits annually, establishing important monitoring and pollution reduction requirements for Publicly Owned Treatment Works (POTWs), industrial facilities, and stormwater discharges nationwide. The NPDES program interfaces with many pathways by which per-and polyfluoroalkyl substances (PFAS) travel and are released into the environment, and ultimately impact water quality and the health of people and ecosystems. Consistent with the Agency's commitments in the October 2021 *PFAS Strategic Roadmap: EPA's Commitments to Action 2021-2024 (PFAS Strategic Roadmap)*, EPA will work in cooperation with our state-authorized permitting authorities to leverage the NPDES program to restrict the discharge of PFAS at their sources. In addition to reducing PFAS discharges, this program will enable EPA and the states to obtain comprehensive information on the sources and quantities of PFAS discharges, which can be used to inform appropriate next steps to limit the discharges of PFAS.

This memorandum provides EPA's guidance to states and updates the April 28, 2022 guidance<sup>1</sup> to EPA Regions for addressing PFAS discharges when they are authorized to administer the NPDES permitting program and/or pretreatment program. These recommendations reflect the Agency's commitments in the PFAS Strategic Roadmap, which directs the Office of Water to leverage NPDES permits to reduce PFAS discharges to waterways "at the source and obtain more comprehensive information through monitoring on the sources of PFAS and quantity of PFAS discharged by these sources." While the Office of Water works to revise Effluent Limitation Guidelines (ELGs) and develop water quality criteria to support technology-based and water quality-based effluent limits for PFAS in NPDES permits, this memorandum describes steps permit writers can implement under existing authorities to reduce the discharge of PFAS.

\_

<sup>&</sup>lt;sup>1</sup> Addressing PFAS Discharges in EPA-Issued NPDES Permits and Expectations Where EPA is the Pretreatment Control Authority, <a href="https://www.epa.gov/system/files/documents/2022-04/npdes">https://www.epa.gov/system/files/documents/2022-04/npdes</a> pfas-memo.pdf.

This memorandum also provides EPA's guidance for addressing sewage sludge PFAS contamination more rapidly than possible with monitoring based solely on NPDES permit renewals. States may choose to monitor the levels of PFAS in sewage sludge across POTWs and then consider mechanisms under pretreatment program authorities to prevent the introduction of PFAS to POTWs based on the monitoring results.

EPA recommends that the following array of NPDES and pretreatment provisions and monitoring programs be implemented by authorized states and POTWs, as appropriate, to the fullest extent available under state and local law. NPDES and pretreatment provisions may be included when issuing a permit or by modifying an existing permit pursuant to 40 CFR 122.62.

## A. Recommendations for Applicable Industrial Direct Dischargers

1. Applicability: Industry categories known or suspected to discharge PFAS as identified on page 14 of the PFAS Strategic Roadmap include: organic chemicals, plastics & synthetic fibers (OCPSF); metal finishing; electroplating; electric and electronic components; landfills; pulp, paper & paperboard; leather tanning & finishing; plastics molding & forming; textile mills; paint formulating, and airports. This is not an exhaustive list and additional industries may also discharge PFAS. For example, Centralized Waste Treatment (CWT) facilities may receive wastes from the aforementioned industries and should be considered for monitoring. There may also be categories of dischargers that do not meet the applicability criteria of any existing ELG; for instance, remediation sites, chemical manufacturing not covered by OCPSF, and military bases.

EPA notes that no permit may be issued to the owner or operator of a facility unless the owner or operator submits a complete permit application in accordance with applicable regulations, and applicants must provide any additional information that the permitting authority may reasonably require to assess the discharges of the facility (40 CFR 122.21(e), (g)(13)). The applicant may be required to submit additional information under CWA Section 308 or under a similar provision of state law.

2. Effluent-and wastewater residuals monitoring: In the absence of a final 40 CFR Part 136 method, EPA recommends using CWA wastewater draft analytical method 1633 (see 40 CFR 122.21(e)(3)(ii) and 40 CFR 122.44(i)(1)(iv)(B)). EPA also recommends that monitoring include each of the 40 PFAS parameters detectable by draft method 1633 and be conducted at least quarterly to ensure that there are adequate data to assess the presence and concentration of PFAS in discharges. All PFAS monitoring data must be reported on Discharge Monitoring Reports (DMRs) (see 40 CFR 122.41(l)(4)(i)). The draft Adsorbable Organic Fluorine CWA wastewater method 1621 can be used in conjunction with draft method 1633, if appropriate. Certain industrial processes may generate PFAS-contaminated solid waste or air emissions not covered by NPDES permitting and permitting agencies should coordinate with appropriate state authorities on proper containment and disposal to avoid cross-media contamination. EPA's draft analytical method 1633 may be appropriate to assess the amount and types of PFAS for some of these wastestreams.<sup>3</sup>

\_

<sup>&</sup>lt;sup>2</sup> For more, see NPDES Permit Writer's Manual Section 4.5.1.

<sup>&</sup>lt;sup>3</sup> See <a href="https://www.epa.gov/water-research/pfas-analytical-methods-development-and-sampling-research">https://www.epa.gov/water-research/pfas-analytical-methods-development-and-sampling-research</a> for a list of EPA-approved methods for other media.

- 3. Best Management Practices (BMPs) for discharges of PFAS, including product substitution, reduction, or elimination of PFAS, as detected by draft method 1633: Pursuant to 40 CFR 122.44(k)(4), EPA recommends that NPDES permits for facilities incorporate the following conditions when the practices are "reasonably necessary to achieve effluent limitations and standards or to carry out the purposes and intent of the CWA."
  - a. BMP conditions based on pollution prevention/source reduction opportunities, which may include:
    - i. Product elimination or substitution when a reasonable alternative to using PFAS is available in the industrial process.
    - ii. Accidental discharge minimization by optimizing operations and good housekeeping practices.
    - iii. Equipment decontamination or replacement (such as in metal finishing facilities) where PFAS products have historically been used to prevent discharge of legacy PFAS following the implementation of product substitution.
  - b. Example BMP permit special condition language:
    - i. *PFAS pollution prevention/source reduction evaluation*: Within 6 months of the effective date of the permit, the facility shall provide an evaluation of whether the facility uses or has historically used any products containing PFAS, whether use of those products or legacy contamination reasonably can be reduced or eliminated, and a plan to implement those steps.
    - ii. *Reduction or Elimination*: Within 12 months of the effective date of the permit, the facility shall implement the plan in accordance with the PFAS pollution prevention/source reduction evaluation.
    - iii. *Annual Report*: An annual status report shall be developed which includes a list of potential PFAS sources, summary of actions taken to reduce or eliminate PFAS, any applicable source monitoring results, any applicable effluent results for the previous year, and any relevant adjustments to the plan, based on the findings.
    - iv. *Reporting:* When EPA's electronic reporting tool for DMRs (called "NetDMR") allows for the permittee to submit the pollution prevention/source reduction evaluation and the annual report, the example permit language can read, "The pollution prevention/source reduction evaluation and annual report shall be submitted to EPA via EPA's electronic reporting tool for DMRs (called "NetDMR").
- **4. BMPs to address PFAS-containing firefighting foams for stormwater permits:** Pursuant to 122.44(k)(2), where appropriate, EPA recommends that NPDES stormwater permits include BMPs to address Aqueous Film Forming Foam (AFFF) used for firefighting, such as the following:<sup>5</sup>
  - a. Prohibiting the use of AFFFs other than for actual firefighting.
  - b. Eliminating PFOS and PFOA -containing AFFFs.
  - c. Requiring immediate clean-up in all situations where AFFFs have been used, including diversions and other measures that prevent discharges via storm sewer systems.
- 5. **Permit Limits:** As specified in 40 CFR 125.3, technology-based treatment requirements under CWA Section 301(b) represent the minimum level of control that must be imposed in NPDES permits. Site-specific technology-based effluent limits (TBELs) for PFAS discharges developed on a best professional judgment (BPJ) basis may be appropriate for facilities for which there are no applicable effluent guidelines (*see* 40 CFR 122.44(a), 125.3). Also, NPDES permits must include water quality-based effluent limits (WQBELs) as derived from state water quality standards, in

3

<sup>&</sup>lt;sup>4</sup> For more on BMPs, see <u>NPDES Permit Writer's Manual Section 9.1</u> and <u>EPA Guidance Manual for Developing Best</u> Management Practices.

<sup>&</sup>lt;sup>5</sup> Naval Air Station Whidbey Island MS4 permit incorporates these provisions.

addition to TBELs developed on a BPJ basis, if necessary to achieve water quality standards, including state narrative criteria for water quality (CWA Section 301(b)(1)(C); 40 CFR 122.22(d)). If a state has established a numeric criterion or a numeric translation of an existing narrative water quality standard for PFAS parameters, the permit writer should apply that numeric criterion or narrative interpretation in permitting decisions, pursuant to 40 CFR 122.44(d)(1)(iii) and 122.44(d)(1)(vi)(A), respectively.

### B. Recommendations for Publicly Owned Treatment Works

- 1. Applicability: All POTWs, including POTWs that do not receive industrial discharges, and industrial users (IUs) in the industrial categories above.
- 2. Effluent, influent, and biosolids monitoring: In the absence of a final 40 CFR Part 136 method, EPA recommends using CWA wastewater draft analytical method 1633 (see 40 CFR 122.21(e)(3)(ii) and 40 CFR 122.44(i)(1)(iv)(B)). EPA also recommends that monitoring include each of the 40 PFAS parameters detectable by draft method 1633 and be conducted at least quarterly to ensure that there are adequate data to assess the presence and concentration of PFAS in discharges. All PFAS monitoring data must be reported on DMRs (see 40 CFR 122.41(l)(4)(i)). The draft Adsorbable Organic Fluorine CWA wastewater method 1621 can be used in conjunction with draft method 1633, if appropriate.

# 3. Pretreatment program activities:

- a. Update IU Inventory: Permits to POTWs should contain requirements to identify and locate all possible IUs that might be subject to the pretreatment program and identify the character and volume of pollutants contributed to the POTW by the IUs (see 40 CFR 403.8(f)(2)). As EPA regulations require, this information shall be provided to the pretreatment control authority (see 40 CFR 122.44(j) and 40 CFR 403.8(f)(6)) within one year. The IU inventory should be revised, as necessary, to include all IUs in industry categories expected or suspected of PFAS discharges listed above (see 40 CFR 403.12(i)).<sup>6</sup>
- b. Utilize BMPs and pollution prevention to address PFAS discharges to POTWs. EPA recommends that POTWs:
  - i. Update IU permits/control mechanisms to require quarterly monitoring. These IUs should be input into the Integrated Compliance Information System (ICIS) with appropriate linkage to their respective receiving POTWs. POTWs and states may also use their available authorities to conduct quarterly monitoring of the IUs (see 40 CFR 403.8(f)(2), 403.10(e) and (f)(2)).
  - ii. Where authority exists, develop IU BMPs or local limits. 40 CFR 403.5(c)(4) authorizes POTWs to develop local limits in the form of BMPs. Such BMPs could be like those for industrial direct discharges described in A.3 above.
  - iii. In the absence of local limits and POTW legal authority to issue IU control mechanisms, state pretreatment coordinators are encouraged to work with the POTWs to encourage pollution prevention, product substitution, and good housekeeping practices to make meaningful reductions in PFAS introduced to POTWs.

\_

<sup>&</sup>lt;sup>6</sup> ELG categories of airport deicing, landfills, textile mills, and plastics molding and forming do not have categorical pretreatment standards, and therefore small-volume indirect dischargers in those categories would not ordinarily be considered Significant Industrial Users (SIUs) and may not be captured on an existing IU inventory. IUs under the Paint Formulating category are only subject to Pretreatment Standards for New Sources (PSNS), and existing sources may need to be inventoried.

### C. Recommended Biosolids Assessment

- 1. Where appropriate, states may work with their POTWs to reduce the amount of PFAS chemicals in biosolids, in addition to the NPDES recommendations in Section B above, following these general steps:<sup>7</sup>
  - a. EPA recommends using draft method 1633 to analyze biosolids at POTWs for the presence of 40 PFAS chemicals.<sup>8</sup>
  - b. Where monitoring and IU inventory per section B.2 and B.3.a above indicate the presence of PFAS in biosolids from industrial sources, EPA recommends actions in B.3.b to reduce PFAS discharges from IUs.
  - c. EPA recommends validating PFAS reductions with regular monitoring of biosolids. States may also use their available authorities to conduct quarterly monitoring of the POTWs (see 40 CFR 403.10(f)(2)).

## D. Recommended Public Notice for Draft Permits with PFAS-Specific Conditions

- 1. In addition to the requirements for public notice described in 40 CFR 124.10, EPA recommends that NPDES permitting authorities provide notification to potentially affected downstream public water systems (PWS) of draft permits with PFAS-specific monitoring, BMPs, or other conditions:
  - a. Public notice of the draft permit would be provided to potentially affected PWS with intakes located downstream of the NPDES discharge.
  - b. NPDES permit writers are encouraged to collaborate with their drinking water program counterparts to determine on a site-specific basis which PWS to notify.
    - i. EPA's Drinking Water Mapping Application to Protect Source Waters (<u>DWMAPS</u>) tool may be helpful as a screening tool to identify potentially affected PWS to notify.
  - c. EPA will provide instructions on how to search for facility-specific discharge monitoring data in EPA's publicly available search tools.

\_

<sup>&</sup>lt;sup>7</sup> EPA is currently evaluating the potential risk of PFOA and PFOS in biosolids and supporting studies and activities to evaluate the presence of PFOA and PFOS in biosolids. This recommendation is not meant to supersede the PFOA and PFOS risk assessment or supporting activities. The conclusions of the risk assessment and supporting studies may indicate that regulatory actions or more stringent requirements are necessary to protect human health and the environment.

<sup>8</sup> While water quality monitoring activities (including monitoring of PFAS associated with NPDES permit or pretreatment).

requirements) at POTWs are generally not eligible for Clean Water State Revolving Fund (CWSRF), monitoring for the specific purpose of project development (planning, design, and construction) is eligible. Monitoring in this capacity, and within a reasonable timeframe, can be integral to the identification of the best solutions (through an alternatives analysis) for addressing emerging contaminants and characterizing discharge and point of disposal (e.g., land application of biosolids). Though ideally the planning and monitoring for project development would result in a CWSRF-eligible capital project, in some instances, the planning could lead to outcomes other than capital projects to address the emerging contaminants.

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



**General Manager** Amy R. Underwood

**Legal Counsel**Michael G. Philipp

2710 Curtiss Street P.O. Box 1412 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

December 8, 2022

Mr. Marcello Pibiri, Senior Research Engineer Energy Resource Center, University of Illinois at Chicago 1309 S Halsted Street, Suite 205 Chicago, IL 60607

Subject: Letter of Support for the University of Illinois Chicago – Energy Resources Center's Proposal to the Water Resource Foundation's RFP 5187

Dear Mr. Pibiri,

This letter is in support of the University of Illinois Chicago's Energy Resources Center's (UIC-ERC) application to the Water Resource Foundation's RFP 5187 - Beyond Net Zero: Advancing Interdependencies Between Utility Greenhouse Gas Emission Reductions and Water-Energy-Food Nexus. The Downers Grove Sanitary District is pleased to support your proposal to develop a strategic framework and operational guidelines to support Water Resource Recovery Facilities in making GHG-related decisions to achieve Net-Zero Carbon and beyond.

As you are aware, the Downers Grove Sanitary District provides sanitary sewer collection and wastewater treatment services to approximately 65,000 people in the communities of Downers Grove, Westmont, Woodridge, Darrien, Oak Brook, Lisle and Lombard, IL. The District's wastewater treatment center is a net-zero energy facility, producing more energy than it uses.

For this specific effort, the Downers Grove Sanitary District will assist the ERC by providing information on how our water resource recovery facility is working on energy, environmental, and/or net zero strategies with the goal to develop a representative case study for this project.

We urge the WRF to give every consideration possible to the ERC's proposal and wish you success with your application. We look forward to working with you on this project.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Amy R. Underwood, P.E.

General Manager

# THITED STATES TO THE THE STATES TO THE STATE

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

# REGION 5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF: WP-16J

Amy R. Underwood, General Manager Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515 aunderwood@dgsd.org

Re: Final Approval of Local Limit Modifications, Downers Grove Sanitary District, Downers Grove, IL (IL0028380)

Dear Ms. Underwood:

The U.S. Environmental Protection Agency previously reviewed the Downers Grove Sanitary District Local Limit Evaluation (LLE) along with subsequent emails and supporting documents. EPA tentatively approved the revised local limits on November 3, 2022.

On November 29, 2022, you provided EPA with an electronic copy of the approved Pretreatment Sewer Use Ordinance. The Downers Grove Sanitary District Board of Trustees signed and approved the Sewer Use Ordinance that includes the local limit revisions on November 15, 2022. Based on this information and in accordance with Section 403.18 of the General Pretreatment Regulations, 40 C.F.R. part 403, I am pleased to inform you that EPA hereby approves the Sanitary District's modification to the pretreatment program.

Thank you for your continued commitment to protect our nation's water resources. If you have any questions, please contact Karly McMorrow at (312)353-3126, or <a href="mailto:mcmorrow.karly@epa.gov">mcmorrow.karly@epa.gov</a>

Sincerely,

STEPHEN JANN Digitally signed by STEPHEN JANN Date: 2022.12.12 10:22:52 -06'00'

Stephen M. Jann Manager, Permits Branch Water Division

cc: Darin LeCrone, IEPA (<u>Darin.LeCrone@Illinois.gov</u>)
Reese Berry, DGSD (<u>rberry@dgsd.org</u>)
Alex Bielawa, DGSD (abielawa@dgsd.org)