

DOWNERS GROVE SANITARY DISTRICT
GENERAL MANAGER'S REPORT
April 16, 2021

March Board Meeting

Copies of the following items are enclosed for the April 20, 2021 meeting:

- 1) Proposed Agenda
- 2) Minutes of the March 16, 2021 regular meeting
- 3) Claim Ordinance 1900
- 4) Memo regarding Group Insurance Coverage Renewal
- 5) Memo regarding CD investment at First Midwest Bank
- 6) Memo regarding the 2021 Annual Newsletter
- 7) Memo regarding adoption of Ordinance No. ORD 21-02

BOLI Meeting

There is a BOLI meeting scheduled for 6:00 pm on April 20, 2021. The meeting will be a virtual meeting. The packet for that meeting is included here. The link for the virtual meeting is provided on the agenda for that meeting.

Operations Reports

Copies of the following are enclosed for March operations:

- 1) Progress Report from Clay 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 is ongoing in the 1-K-028 (Cass and Burlington, WT) area. A map showing progress for this area is included here, as well as a status summary sheet.

Flow metering continues, including meters in the 1-M-050 (55th and Victor, DG) vicinity to evaluate post-rehabilitation and I/I reduction performance. Data collected during recent storms shows that the local system appears to be operating satisfactorily.

Financial

A copy of the Investment Schedule as of March 31, 2021 is enclosed.

The Treasurer's Report for March 2021 covering the first eleven months of FY 21-22 is included here, along with a summary cover memo.

Meetings

I attended the following meetings since the March 12, 2021 General Manager's report:

- March 16 attended CSWEA IL Section meeting
- March 17 and 18 attended the IAWA Mini Conference. Clay also attended.
- March 18 attended Illinois Pollution Control Board PFAS webinar
- March 19 attended DGEDC Board of Directors meeting
- March 22 attended DCSWM East Branch DuPage River Steering Committee meeting
- March 26 attended the IAWA Monthly Nutrient Subcommittee NARP meeting
- March 26 gave MWRDGC a tour of the CHP facilities
- April 6 attended CSWEA Local Arrangements Committee meeting
- April 8 attended DRSCW Executive Board meeting. Larry attended also.
- April 12 and 15 participated in consultant selection interviews for the DRSCW East Branch DuPage River Stream Restoration project. Larry also attended.

Miscellaneous

I took a vacation on March 29 – April 1.

Copies of the following items are enclosed:

- 1) General Manager's Report to the Employees dated March 26 and April 9
- 2) Phosphorus Discharge Optimization Plan – 2021 Status Report
- 3) DRSCW-LDRWC Special Conditions Report 20-21 without attachments – A full version of the report with attachments is available at https://drscw.org/wp-content/uploads/2021/03/drscw-ldrwc_specialconditionsreport20-21_03262021.pdf.

cc: WDVB, AES, PWC, BOLI, WCC, MGP

**DOWNERS GROVE SANITARY DISTRICT
BOARD OF TRUSTEES MEETING
APRIL 20, 2021 – 7:00 PM
BOARD ROOM/VIRTUAL**

PROPOSED AGENDA

- I. APPROVAL OF MINUTES
 - A. REGULAR MEETING – MARCH 16, 2021
- II. APPROVAL OF CLAIM ORDINANCE NO. 1900
- III. PUBLIC COMMENT
- IV. OLD BUSINESS
- V. NEW BUSINESS
 - A. INSURANCE – EMPLOYEE GROUP COVERAGE
 - B. INVESTMENT IN CERTIFICATE OF DEPOSIT - FIRST MIDWEST BANK
 - C. ANNUAL NEWSLETTER REVIEW
 - D. ORDINANCE NO. 21-02

PLEASE NOTE:

In order to comply with Phase 4 under the Restore Illinois plan, the District will hold this meeting split physically and virtually. A maximum of 12 individuals will be permitted in the Board room at the District Administration Center at 2710 Curtiss Street, Downers Grove, IL 60515. In the event the Public wishes to virtually attend this meeting, they may do so using the link or phone numbers provided below:

When: Apr 20, 2021 07:00 PM Central Daylight Time
Topic: April Board of Trustees Meeting

LINK for Livestreamed Meeting via Zoom:

<https://us02web.zoom.us/j/84380597708?pwd=R3VaQ3ZjeGZHWEVCdzRlekJMUEQ3UT09>

Passcode: 128491

Or One tap mobile :

US: +13126266799,,84380597708#,,, *128491# or
+13017158592,,84380597708#,,, *128491#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 312 626 6799 or +1 301 715 8592 or +1 646 558 8656 or +1 346 248 7799 or +1 669 900 9128 or
+1 253 215 8782

Webinar ID: 843 8059 7708

Passcode: 128491



PUBLIC COMMENT:

The District also has an online form for the Public who wish to virtually attend or cannot attend a meeting to submit public comment. District staff shall read aloud any received public comments during the Public Comment portion of the meeting. Public comments for Public not attending the meeting in person need to be submitted before 4:00 p.m. on April 20, 2021. The form can be found here: <https://www.dgsd.org/government/public-comment/>



MINUTES

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, March 16, 2021, convening at 7:00 p.m. The meeting was held at the District's Administration Center, 2710 Curtiss Street, Downers Grove. Present were President Wallace D. Van Buren, Trustees Amy E. Sejnost and Paul W. Coultrap, General Manager Amy R. Underwood and Administrative Supervisor W. Clay Campbell. Attorney for the District Michael G. Philipp and Information Coordinator Alyssa J. Caballero were not physically present but did attend the meeting by electronic means (both audio and video) using Zoom. Staff Engineer Alex Bielawa attended virtually as a member of the public. Mitch Backes of Corkill Insurance Co. also attended virtually.

Minutes of Regular Meeting – February 9, 2021

A motion was made by Trustee Coultrap seconded by Trustee Sejnost approving the minutes of the regular meeting held on February 9, 2021, and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Minutes of Executive Session – February 9, 2021

A motion was made by Trustee Sejnost seconded by Trustee Coultrap approving the minutes of the executive session held on February 9, 2021 as presented and authorizing the President and Clerk to sign same. The motion carried.

Claim Ordinance No. 1899

A motion was made by Trustee Coultrap seconded by Trustee Sejnost adopting Claim Ordinance No. 1899 in the total amount of \$788,300.68 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Public Comment – None

New Business

Adopt Ordinance Amending Fees Five Year Financial Plan and Budget Approval – FY 2021-22

The Five Year Financial Plan and Budget were presented at the February Board meeting and have been available for public review since February 11 following a public notice of availability. A motion was made by Trustee Sejnost seconded by Trustee Coultrap approving the Five Year Financial Plan for Fiscal Years 2021-22 to 2025-26 which includes the budget for Fiscal Year 2021-22. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Adopt Appropriation Ordinance for Fiscal Year 2021-22

The Fiscal Year 2021-22 Appropriation Ordinance was presented at the February Board meeting and has been available for public review since February 11 following a public notice of availability. The Ordinance establishes the spending limits for the year including operation and maintenance

and capital improvements for all areas of District operations. A motion was made by Trustee Coultrap seconded by Trustee Sejnost adopting the Fiscal Year 2021-22 Appropriation Ordinance and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Adopt Ordinance Amending Fees

General Manager Underwood presented Ordinance No. ORD 21-01. This ordinance increases various District fees and charges to the following amounts:

- a) Permit inspection fees - \$230 per building sanitary service for single family class and \$381 per building sanitary service (or \$220 per building sanitary service if no work on building sanitary service is required) for all other classes.
- b) Tap-in fee - \$948 per population equivalent (P.E.).
- c) Trunk sewer service charges - \$440 per P.E.
- d) Lateral sewer charge - \$12,222 per building drain to near side property and \$8,854 per building drain to far side property.
- e) Sewer construction inspection fee - \$73.00 per hour straight time and \$109.50 per hour overtime.
- f) Basic user rate - \$1.95 per 1000 gallons of water (or \$46.80 per quarter for all non-metered single family residential users).
- g) Sampling and monitoring charge – This charge will vary from \$5.94 per month to \$131.92 per month depending on the type of user.

A motion was made by Trustee Sejnost seconded by Trustee Coultrap adopting Ordinance No. ORD 21-01 and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Business Insurance Renewals for FY 21-22

Administrative Supervisor Campbell reviewed the proposal for renewal of the District's property and liability coverages with effective dates of April 14. The proposal included General Liability, Automobile, Public Officials Liability, Umbrella Liability, Fidelity and Crime, Property, Cyber-Liability and Workers Compensation. Staff's recommendation is to renew the Property, General Liability, Automobile, Public Officials Liability, Umbrella Liability, Fidelity and Crime and Workers Compensation lines of coverage with Selective Insurance Group, Inc. The Property policy with Selective includes Equipment Breakdown coverage through Inland Marine. Staff also recommended to renew the existing Cyber-Liability coverage through Travelers and the existing Tank Storage Pollution Liability coverage through Crum & Forster. The total annual premiums are proposed at \$198,966. A motion was made by Trustee Sejnost seconded by Trustee Coultrap authorizing the Administrative Supervisor to renew the District's insurance coverages as presented in his March 12, 2021 memo. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Investment in Money Market Account – Evergreen Bank Group

Administrative Supervisor Campbell reviewed staff's purchase on February 23, 2021 of a Money Market Account with Evergreen Bank Group in the amount of \$250,023.97 with an annual interest rate of 0.30 percent. The account is secured by the FDIC. A motion by Trustee Sejnost seconded

by Trustee Coultrap was made ratifying the actions of staff on behalf of the District to open a Money Market Account on February 23, 2021 in the amount of \$250,023.97 with Evergreen Bank Group at an interest rate of 0.30 percent. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Pre-Qualification Policy

General Manager Underwood presented a proposed Pre-Qualification Policy for contractors bidding on District sewer projects. The policy ensures contractor's pre-qualification status is determined in a consistent and fair manner. The policy will also provide the District with the assurance that contractors bidding on projects where pre-qualification is required have the ability to successfully complete quality work. A motion was made by Trustee Sejnost seconded by Trustee Coultrap to adopt the Pre-Qualification Policy as presented. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Compensation of General Manager for FY21-22

A motion was made by Trustee Sejnost seconded by Trustee Coultrap to increase General Manager Underwood's salary from \$149,000 to \$157,200 effective April 1, 2021. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Other New Business

Trustee Van Buren commented on the progress of the CHP #1 replacement. He welcomed Oscar Avila to the District as the new Sewer System Permit Technician. He inquired about the current status of recent legislation regarding the proposed dam removal at Graue Mill in Oak Brook. He noted the upcoming purchase of equipment for TRC (Total Residual Chlorine) Analysis for the laboratory noted in Lab Supervisor Berry's monthly report. Trustee Van Buren inquired about the re-bidding for the outfall repair project noted in Staff Engineer Bielawa's monthly report. Lastly, he inquired about the manhole overflow event in February at 63rd Street in Westmont.

Trustee Sejnost also welcomed Oscar Avila to the District. She also inquired about the recent manhole overflow at 63rd Street. She inquired about the current status of restaurant grease hauling to the treatment plant. She noted she was pleased to see the discussion by the Safety Committee of evaluating the use of safety decals on District vehicles that would heighten road visibility and kudos to Sewer System Technician Alan Hartigan for his work on the project. Trustee Sejnost expressed her appreciation to all the supervisors for their hard work on their monthly reports. Lastly, she wished everyone to continue to stay safe.

Trustee Coultrap also welcomed Oscar Avila to the District. He inquired about the status of employees receiving the COVID-19 vaccine and expressed his appreciation for the updates to the District's COVID-19 Preparedness Plan. Trustee Coultrap also inquired about the recent manhole overflow event at 63rd Street.

Administrative Supervisor Campbell provided the Board with an update on the delinquent user accounts related to the current COVID-19 pandemic.

A motion was made by Trustee Coultrap seconded by Trustee Sejnost to adjourn the regular meeting at 7:38 p.m. The motion carried.

Approved: April 20, 2021

President

Attest: _____
Clerk

Downers Grove, Illinois

Date: April 20, 2021

Claim Ordinance No. 1900

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 **\$763,054.03** being in words and figures as follows:

GENERAL LEDGER RECAP

DATE 03/11/21

PERIOD END 03/06/21

PAGE 5

Payroll Ending Date: 03/06/21

Payroll Paid Date: 03/12/21

GL Date: 04/30/21

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		54402.07-
01-00.2000	FEDERAL TAX WITHHELD		9174.43-
01-00.2001	STATE TAX WITHHELD		3831.57-
01-00.2002	SOCIAL SECURITY WITHHELD		6339.77-
01-00.2003	IMRF WITHHELD		3814.15-
01-00.2013	CREDIT UNION WITHHELD		980.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3488.42-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		309.65-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		919.01-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		337.80-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		302.23-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		162.27-
01-11.A003	GENERAL MANAGEMENT	846.87	
01-11.A004	FINANCIAL RECORDS	6934.66	
01-11.A005	ADMINISTRATIVE RECORDS	843.45	
01-11.A007	CODE ENFORCEMENT	4776.05	
01-11.A008	SAFETY ACTIVITIES	1130.89	
01-11.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	175.00	
01-12.A006	ENGINEERING	2059.98	
01-12.A011	MAINTENANCE - WWTC	12799.51	
01-12.A014	MAINTENANCE - ELECTRICAL	4062.76	
01-12.A021	WWTC - OPERATIONS	19711.25	
01-12.A022	WWTC - SLUDGE HANDLING	3700.00	
01-12.A023	WWTC - ENERGY RECOVERY	87.30	
01-12.A030	BUILDING AND GROUNDS	3205.04	
01-13.A041	LAB - WWTC	6047.62	
01-13.A048	LAB - ENERGY RECOVERY	207.65	
01-14.A006	ENGINEERING	52.82	
01-14.A051	SEWER MAINTENANCE	10075.50	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	269.38	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	2090.40	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	760.90	
01-14.A064	INSPECTION - MISCELLANEOUS	1136.18	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	717.66	
01-14.A066	INSPECTION - CODE ENFORCEMENT	1805.11	
01-14.A072	SEWER INVESTIGATIONS	34.14	
01-14.A085	INCENTIVE	200.00	
01-14.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	25.00	
01-15.A080	LIFT STATION MAINTENANCE	346.25	
		84101.37	84101.37-

GENERAL LEDGER RECAP

DATE 03/16/21

PERIOD END 03/15/21

PAGE 4

Payroll Ending Date: 03/15/21

Payroll Paid Date: 03/17/21

GL Date: 04/30/21

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		20749.97-
01-00.2000	FEDERAL TAX WITHHELD		3094.16-
01-00.2001	STATE TAX WITHHELD		1412.63-
01-00.2002	SOCIAL SECURITY WITHHELD		2367.80-
01-00.2003	IMRF WITHHELD		1392.81-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1253.49-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		173.59-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		490.49-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		127.40-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		426.92-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	9179.55	
01-11.A004	FINANCIAL RECORDS	429.81	
01-11.A005	ADMINISTRATIVE RECORDS	354.39	
01-11.A007	CODE ENFORCEMENT	8135.71	
01-11.A008	SAFETY ACTIVITIES	32.39	
01-11.A030	BUILDING AND GROUNDS	134.14	
01-12.A009	OPERATIONS MANAGEMENT	4351.58	
01-12.A011	MAINTENANCE - WWTC	4004.99	
01-12.A014	MAINTENANCE - ELECTRICAL	215.29	
01-12.A021	WWTC - OPERATIONS	116.46	
01-12.A030	BUILDING AND GROUNDS	349.44	
01-13.A009	OPERATIONS MANAGEMENT	3123.48	
01-13.A042	LAB - PRETREATMENT	918.81	
01-14.A006	ENGINEERING	35.10	
01-15.A006	ENGINEERING	69.48	
01-15.A009	OPERATIONS MANAGEMENT	35.10	
01-15.A080	LIFT STATION MAINTENANCE	80.60	
		31566.32	31566.32-

GENERAL LEDGER RECAP

DATE 03/25/21

PERIOD END 03/20/21

PAGE 5

Payroll Ending Date: 03/20/21

Payroll Paid Date: 03/26/21

GL Date: 04/30/21

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		52492.93-
01-00.2000	FEDERAL TAX WITHHELD		8800.42-
01-00.2001	STATE TAX WITHHELD		3699.98-
01-00.2002	SOCIAL SECURITY WITHHELD		6128.08-
01-00.2003	IMRF WITHHELD		3701.36-
01-00.2013	CREDIT UNION WITHHELD		980.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3248.32-
01-00.2017	VOLUNTARY GROUP LIFE		208.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		309.65-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		919.01-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		337.80-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		306.11-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		162.27-
01-11.A003	GENERAL MANAGEMENT	754.81	
01-11.A004	FINANCIAL RECORDS	6906.84	
01-11.A005	ADMINISTRATIVE RECORDS	674.44	
01-11.A007	CODE ENFORCEMENT	4922.80	
01-11.A008	SAFETY ACTIVITIES	1035.76	
01-11.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	175.00	
01-12.A006	ENGINEERING	2112.80	
01-12.A011	MAINTENANCE - WWTC	11567.78	
01-12.A014	MAINTENANCE - ELECTRICAL	4183.52	
01-12.A021	WWTC - OPERATIONS	16004.28	
01-12.A022	WWTC - SLUDGE HANDLING	5673.10	
01-12.A023	WWTC - ENERGY RECOVERY	53.29	
01-12.A030	BUILDING AND GROUNDS	3103.20	
01-13.A041	LAB - WWTC	5595.03	
01-14.A051	SEWER MAINTENANCE	7382.43	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	506.09	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	2668.57	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	630.26	
01-14.A064	INSPECTION - MISCELLANEOUS	2378.02	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	2059.74	
01-14.A066	INSPECTION - CODE ENFORCEMENT	2202.92	
01-14.A072	SEWER INVESTIGATIONS	222.00	
01-14.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	25.00	
01-15.A080	LIFT STATION MAINTENANCE	496.25	
		81333.93	81333.93-

GENERAL LEDGER RECAP

DATE 04/05/21

PERIOD END 03/31/21

PAGE 4

Payroll Ending Date: 03/31/21

Payroll Paid Date: 04/02/21

GL Date: 04/30/21

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		20795.77-
01-00.2000	FEDERAL TAX WITHHELD		3114.87-
01-00.2001	STATE TAX WITHHELD		1421.29-
01-00.2002	SOCIAL SECURITY WITHHELD		2383.43-
01-00.2003	IMRF WITHHELD		1402.01-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1253.37-
01-00.2017	VOLUNTARY GROUP LIFE		80.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		173.59-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		490.49-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		127.40-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		447.05-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	8868.76	
01-11.A004	FINANCIAL RECORDS	538.60	
01-11.A005	ADMINISTRATIVE RECORDS	355.84	
01-11.A007	CODE ENFORCEMENT	8136.67	
01-11.A008	SAFETY ACTIVITIES	128.12	
01-12.A009	OPERATIONS MANAGEMENT	3988.62	
01-12.A011	MAINTENANCE - WWTC	4361.06	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	49.68	
01-12.A014	MAINTENANCE - ELECTRICAL	174.44	
01-12.A021	WWTC - OPERATIONS	270.26	
01-12.A023	WWTC - ENERGY RECOVERY	323.06	
01-12.A030	BUILDING AND GROUNDS	199.28	
01-12.A085	INCENTIVE	200.00	
01-13.A009	OPERATIONS MANAGEMENT	3326.36	
01-13.A042	LAB - PRETREATMENT	631.51	
01-13.A048	LAB - ENERGY RECOVERY	84.42	
01-14.A006	ENGINEERING	129.65	
		31766.33	31766.33-

01 GENERAL FUND STANDARD CHECK REGISTER FOR 04/20/21

Date: 04/15/21
Time: 10:06am

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
A-FORMULA MECHANICAL CORP	A000065	03/17/21	42171	01-12.B812	Lab Unit Compressor Repl	1820.00	1820.00	103014
AT & T MOBILITY	A000085	03/03/21	831873915	01-15.B112	LS Cell Dialer March	55.86		
		04/03/21	831873915-1	01-15.B112	LS Cell Dialer April	61.03	116.89	062915
ADVOCATE OCCUPATIONAL HEALTH	A000150	03/31/21	789742	01-12.B117	Drug Screen	27.00	27.00	062916
ADVANCED DISPOSAL	A000153	03/31/21	T8002451960	01-12.B102	Garbage & Recycling	360.77	360.77	062917
AIR PRODUCTS EQUIPMENT CO	A000180	03/31/21	D251460	01-11.B113	MSB Welding Fume Exhaust	2650.00	2650.00	062918
ALEXANDER CHEMICAL CORPORATION	A000200	03/09/21	36736	01-12.B401	Sodium Hypochlorite	2749.12	2749.12	103015
ALLIED WASTE SERVICE	A000255	03/15/21	55101507900	01-12.B102	Grit Screen Dumpster	941.87	941.87	062919
ALTORFER INDUSTRIES, INC.	A000292	03/30/21	PM600296128	01-15.B528	Wroble ATS PM	164.00		
		04/02/21	PM600296184	01-15.B529	Port Gen 350 PM	880.00		
		04/02/21	PM600296185	01-15.B529	Port Gen 200 PM	880.00	1924.00	103016
SYNCHB/AMAZON	A000295	03/05/21	437933673467	01-14.B116	Inspection Tools	43.00		
		03/18/21	444773579858	01-11.B113	Face Shields	339.30		
		03/25/21	445596363389	01-11.B117	AB Books	361.27		
		03/25/21	445596363389	01-14.B116	SS Supplies	16.49		
		03/18/21	449388643939	01-14.B117	Returned OA Outerwear	51.99-		
		03/14/21	454979376743	01-12.B116	MSB Printer Cable	15.25		
		03/31/21	456869963366	01-14.B116	SS Phone Cases	79.82		
		02/08/21	456877555699	01-12.B508	WAS Thickener Panel Part	39.66		
		03/25/21	459753846375	01-12.B116	Ops Supplies	32.92		
		03/10/21	467664468867	01-12.B116	Ops Supplies	46.49		
		03/12/21	474454883986	01-12.B116	MSB Printer Replacement	134.00		
		01/15/21	535778669545	01-12.B117	Outerwear Return	20.50-		
		03/09/21	595936634689	01-14.B116	Head Lamps, Phone Charger	291.97		
		03/26/21	666375939634	01-14.B116	Phone Case JR	30.98		
		03/31/21	688785676844	01-12.B116	BS Phone Case	76.94		
		04/06/21	689963875366	01-12.B811	Sand Filtr Rf Safety Rail	80.52		
		03/31/21	736976343659	01-14.B116	SS Tablet Cover	25.88		
		03/14/21	748858997893	01-14.B117	OA Outerwear	51.99		
		03/31/21	774593964394	01-14.B116	TF Phone Case	29.98		
		03/10/21	838468439739	01-12.B512	LS Truck Bluetooth	39.99		
		03/31/21	876468796644	01-14.B116	Cell Phone Charging Cord	35.96		
		03/18/21	949747686746	01-14.B117	OA Outerwear	79.04		
		03/04/21	977895944757	01-14.B116	OA & DJ Phone Cases	79.92	1858.88	062920
AUTOZONE - AZ COMMERCIAL	A000600	04/05/21	2576786291	01-14.C225	Auto Parts	33.98		
		04/08/21	2576788172	01-12.C225	Auto Parts Returned	11.78-		
		04/08/21	2576788173	01-12.C225	Auto Parts	50.38	72.58	062921
SIAMAK AZARNIA	A000700	04/13/21	Reimburse	01-12.B117	Safety Glasses Reimburse	122.85	122.85	103017
BAXTER & WOODMAN, INC.	B000120	03/19/21	0221516	01-14.B901	1K-028 Flow Basin Rehab	1681.63		
		03/19/21	0221519	01-14.B902	Outfall Sewer Sag Repair	3312.50		
		03/19/21	0221523	01-14.B902	Sherman St Sewer Replace	389.37		
		03/19/21	0221524	01-11.B124	Misc Engineering Services	2538.75	7922.25	103018
BERLAND'S HOUSE OF TOOLS	B000140	03/26/21	362629	01-12.B512	Concrete Drill Bit	28.99	28.99	062922
BREUER METAL CRAFTSMEN INC.	B000330	03/22/21	32388	01-12.B507	Clar Brdg Guardrail/Grate	16600.00		
		03/22/21	32388	01-12.B508	Dig Brdg Platform/Rails	6500.00		
		03/22/21	32388	01-12.B811	Filter Bldg Roof Guardrl	2200.00	25300.00	062923

01 GENERAL FUND STANDARD CHECK REGISTER FOR 04/20/21

Date: 04/15/21
Time: 10:06am

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
BRUCKER COMPANY	B000400	03/18/21	171441	01-12.B507	Filters	692.40	692.40	062924
BUTTREY RENTAL SERVICE, INC.	B000500	03/31/21	297261	01-12.B116	Fork Lift Propane Refills	66.04		
		04/13/21	297821	01-11.B115	Admin Security Cameras	68.00	134.04	062925
CALLONE	C000073	04/15/21	399102	01-11.B112	Admin Phone Service	597.28		
		04/15/21	399102	01-12.B112	WWTC Phone Service	378.65	975.93	103019
CASSIDY TIRE & SERVICE	C000090	03/18/21	112000739	01-12.B501	Tire Replacement	1376.56	1376.56	062926
CHICAGO PLASTIC SYSTEM, INC.	C000250	02/25/21	19353	01-12.B502	OSEC Gen Elect Cell Tube	1200.00		
		03/23/21	19437	01-12.B502	OSEC Gen Elect Cell Tube	1100.00	2300.00	062927
CINTAS #344	C000300	03/12/21	4078422312	01-12.B117	WWTC Uniform Rentals	63.92		
		03/12/21	4078422312	01-14.B117	SS Uniform Rentals	12.94		
		03/19/21	4079086859	01-12.B117	WWTC Uniform Rental	62.90		
		03/19/21	4079086859	01-14.B117	SS Uniform Rental	11.81		
		03/26/21	4079742590	01-12.B117	WWTC Uniform Rental	83.11		
		03/26/21	4079742590	01-14.B117	SS Uniform Rental	11.80		
		04/02/21	4080399008	01-12.B117	WWTC Uniform Rental	62.83		
		04/02/21	4080399008	01-14.B117	SS Uniform Rental	11.80		
		04/09/21	4081047607	01-12.B117	WWTC Uniform Rentals	89.44		
		04/09/21	4081047607	01-14.B117	SS Uniform Rentals	11.80	422.35	062928
CINTAS FIRST AID & SAFETY	C000320	03/15/21	5055292306	01-11.B113	First Aid Supplies	453.99		
		04/12/21	5058325649	01-11.B113	First Aid Supplies	320.09	774.08	062929
CLOVERLEAF TOOL CO	C000335	03/26/21	50586	01-14.B115	SS Repair Supplies	797.30	797.30	103020
COLLEY ELEVATOR CO.	C000370	03/31/21	210047	01-12.B113	Elevator Test & Inspectio	480.00	480.00	103021
COMCAST	C000373	04/03/21	1200550568	01-11.B112	Internet Service	378.40	378.40	062930
COMED	C000380	03/16/21	0055025057	01-15.B100	College LS Elec	281.07		
		03/16/21	0068029014	01-15.B100	Centex LS Elec	98.27		
		03/16/21	0120089072	01-15.B100	Wroble LS Elec	477.33		
		03/16/21	0458029046	01-15.B100	Liberty Park LS Elec	315.66		
		03/23/21	0562080004	01-15.B100	Venard LS Elec	633.91		
		03/16/21	1095091170	01-15.B100	Northwest LS Elec	852.45		
		03/31/21	1108062005	01-11.B100	Admin Elec	94.74		
		03/31/21	1108062005	01-12.B100	WWTC Elec	824.49		
		03/16/21	1810068039	01-15.B100	Earlston LS Elec	238.03		
		03/16/21	3240039012	01-15.B100	Butterfield LS Elec	146.94		
		03/16/21	4657083017	01-15.B100	Hobson LS Elec	1495.41		
		03/25/21	6770572011	01-00.2005	BSSRAP Yard Elec Use	389.41		
		03/25/21	6770572011	01-12.B100	Walnut House Elec	74.48		
		03/25/21	8762083052	01-12.B100	Big Top Elec	119.90	6042.09	062931
CONCENTRIC INTEGRATION, LLC	C000410	03/19/21	0221521	01-12.B508	WAS Thickener SCADA	999.18		
		03/19/21	0221522	01-11.B115	Admin Support	1787.20		
		03/19/21	0221522	01-12.B513	WWTC Support	7543.93	10330.31	103022
G COOPER OIL COMPANY INC.	C000470	03/09/21	33904	01-12.B116	Oil Delivery	994.31		
		03/22/21	33909	01-12.B116	Oil Delivery	526.79	1521.10	062932
CORE & MAIN LP	C000485	03/23/21	N891066	01-15.B522	College LS Pmp 1,2,3 Vlvs	7663.50		
		04/06/21	N989357	01-14.B913	BSSRAP Supplies	1074.00	8737.50	062933
CORKILL INSURANCE	C000490	03/26/21	16204	01-17.E452	Public Office Bond WVB	100.00	100.00	062934
COVERALL NORTH AMERICA, INC	C000557	04/01/21	1010676439	01-12.B812	MSB Cleaning Services	304.00		

01 GENERAL FUND STANDARD CHECK REGISTER FOR 04/20/21

Date: 04/15/21
Time: 10:06am

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		04/01/21	1010676439	01-13.B116	Lab Cleaning Services	157.00		
		04/01/21	1010676441	01-11.B118	Admin Cleaning Service	429.00	890.00	103023
JOHN CRANE INC.	C000560	04/10/21	21/I085187	01-12.B507	Sldg Pump 3 Seal	4314.29	4314.29	062935
CURTIS MARTIN GROUP, INC.	C000660	03/29/21	7948	01-11.B115	CityInsight Meet, PR Fix	133.82		
		04/05/21	7958	01-11.B115	PR Withholding Rep Fix	120.00	253.82	103024
DELTA INDUSTRIES, INC.	D000210	04/06/21	168695	01-15.B524	Hobson LS Comp PM	1030.05		
		04/06/21	168737	01-12.B513	ODS Pump Air Comp PM	1259.82	2289.87	103025
DELTA SONIC	D000220	04/02/21	10278169	01-12.C225	WWTC Vehicle Washes	16.66		
		04/02/21	10278169	01-14.C225	SS Vehicle Washes	41.65	58.31	062936
VILLAGE OF DOWNERS GROVE	D000480	03/15/21	168013	01-11.B121	Meter Readings	424.04	424.04	062937
EJ EQUIPMENT, INC.	E000030	04/08/21	W04073	01-14.B115	Vac-Con Maintenance	3827.80	3827.80	062938
EYE MED VISION CARE	E000600	04/01/21	164737291	01-17.E455	Vision Insurance	446.87	446.87	062939
FEECE OIL CO.	F000085	03/10/21	3770717	01-15.B104	Butterfield Gen Fuel	196.10		
		03/10/21	3770718	01-15.B104	Hobson Gen Fuel	946.92		
		03/10/21	3770719	01-15.B104	Northwest Gen Fuel	619.23		
		03/10/21	3770720	01-15.B104	Earlston Gen Fuel	54.18		
		03/10/21	3770721	01-15.B104	Liberty Park Gen Fuel	196.10		
		03/10/21	3770722	01-15.B104	College Gen Fuel	252.85		
		03/10/21	3770905	01-15.B104	Centex & Wroble Gen Fuel	255.43		
		03/10/21	3770906	01-15.B104	Venard Gen Fuel	381.86	2902.67	062940
FIRST ENVIRONMENTAL LAB	F000140	03/22/21	159767	01-13.B123	Biosolids Monthly	229.20	229.20	103026
GSM FILTRATION, INC	G000080	03/29/21	4497	01-12.B509	Belts For Belt Press	2300.01	2300.01	103027
REVERE ELECTRIC	G000410	03/25/21	S4369694.001	01-12.B512	Elec Supplies	287.48		
		04/07/21	S4379971.001	01-12.B513	CHP Gas Clean Sys PLC Crd	1175.00		
		04/08/21	S4380662.001	01-11.B115	Security Camera Install	897.68		
		04/07/21	S4380662.002	01-11.B115	Security Camera Install	45.44		
		04/12/21	S4383318.001	01-11.B115	Security Camera Install	281.14	2686.74	062941
W. W. GRAINGER, INC.	G000520	03/09/21	9830208725	01-12.B811	See Sheet	75.87		
		03/09/21	9830450392	01-13.B114	See Sheet	201.75		
		03/09/21	9830450392	01-13.B116	See Sheet	139.82		
		03/10/21	9832040993	01-12.B512	See Sheet	1.19		
		03/10/21	9832311733	01-12.B116	See Sheet	68.02		
		03/11/21	9832754387	01-12.B512	See Sheet	18.72		
		03/11/21	9833072037	01-11.B113	See Sheet	306.10		
		03/12/21	9834444169	01-13.B117	See Sheet	16.79		
		03/16/21	9837795393	01-12.B512	See Sheet	16.24		
		03/17/21	9839553786	01-14.B113	See Sheet	21.32		
		03/19/21	9842634546	01-11.B113	See Sheet	153.47-		
		03/24/21	9846813351	01-12.B116	See Sheet	68.85		
		03/24/21	9847265445	01-12.B116	See Sheet	61.71		
		03/25/21	9848164449	01-12.B116	See Sheet	341.94		
		03/25/21	9848278660	01-12.B510	See Sheet	34.83		
		03/26/21	9849353900	01-12.B510	See Sheet	49.40		
		04/01/21	9855876109	01-11.B113	See Sheet	1864.67		
		04/08/21	9858996474	01-13.B116	See Sheet	28.22		
		04/07/21	9860337709	01-12.B811	See Sheet	42.16		

01 GENERAL FUND STANDARD CHECK REGISTER FOR 04/20/21

Date: 04/15/21
Time: 10:06am

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		04/13/21	9866835466	01-12.B512	See Sheet	610.76		
		04/13/21	9867859036	01-13.B114	See Sheet	162.52	3977.41	103028
JESSICA GWOZDZ	G000630	03/11/21	Reimburse	01-11.B117	Outerwear	15.11		
		03/16/21	Reimburse 2	01-11.B117	Boots	31.84	46.95	103029
HACH COMPANY	H000040	03/05/21	12355847	01-13.B114	Lab Chemicals	461.04	461.04	103030
HARRINGTON IND. PLASTICS LLC	H000090	03/04/21	023G5626	01-12.B502	Hypo Bldg Piping	176.01		
		03/23/21	023G6136	01-12.B502	Hypo Bulk Tank Valve	264.88	440.89	103031
HOME DEPOT	H000400	03/23/21	0026374	01-12.B512	See Sheet	88.11		
		03/12/21	1012181	01-12.B812	See Sheet	167.46		
		04/01/21	1021244	01-14.B116	See Sheet	34.53		
		04/01/21	1160742	01-12.B805	See Sheet	32.65-		
		03/11/21	2012585	01-12.B512	See Sheet	20.44		
		03/31/21	2021144	01-11.B113	See Sheet	263.88		
		03/31/21	2021145	01-12.B805	See Sheet	49.97		
		03/31/21	2021161	01-12.B805	See Sheet	32.65		
		03/31/21	2134391	01-12.B805	See Sheet	49.97-		
		03/30/21	3020931	01-12.B811	See Sheet	35.60		
		04/09/21	3022181	01-12.B116	See Sheet	164.54		
		04/08/21	4082304	01-14.B116	See Sheet	7.00		
		04/08/21	4161373	01-12.B512	See Sheet	149.00-		
		04/08/21	4161374	01-12.B512	See Sheet	149.00		
		03/18/21	5012484	01-12.B810	See Sheet	20.50		
		04/07/21	5013133	01-12.B512	See Sheet	149.00		
		04/06/21	6624827	01-12.C225	See Sheet	35.41		
		03/25/21	8012729	01-12.B509	See Sheet	18.07		
		03/15/21	8012766	01-15.B520	See Sheet	9.97		
		03/15/21	8025383	01-12.B812	See Sheet	44.00		
		03/25/21	8042210	01-12.B805	See Sheet	12.97		
		03/15/21	8085377	01-12.B512	See Sheet	32.85		
		03/15/21	8900956	01-13.B115	See Sheet	703.24		
		04/13/21	9014588	01-12.B116	See Sheet	139.80	1947.37	062942
ICE QUBE, INC	I000027	04/09/21	98965	01-12.B513	Unison Gas Clean Sys A/C	3152.36	3152.36	062943
IL ENV PROTECTION AGENCY	I000260	03/15/21	20	01-14.B929	Loan Repayment	90795.59	90795.59	103032
IMPACT NETWORKING INC.	I000400	03/19/21	2071255	01-11.B115	Copies	67.33	67.33	103033
INFOSEND, INC.	I000415	02/28/21	187023	01-11.B121	Cust Bill Mailings Feb	3973.51		
		03/31/21	188740	01-11.B121	Cust Bill Mailings March	3711.79	7685.30	103034
ISTHA	I000470	04/07/21	G12900003874	01-11.C225	Admin Tolls	6.75		
		04/07/21	G12900003874	01-12.C225	WWTC Tolls	201.80		
		04/07/21	G12900003874	01-13.C225	Lab Tolls	1.65		
		04/07/21	G12900003874	01-14.C225	SS Tolls	37.90	248.10	062967
JULIE, INC.	J000250	03/31/21	DGSD0A	01-14.B127	JULIE Service	3926.58	3926.58	062968
KANSAS CITY LIFE INSURANCE CO	K000045	04/06/21	14887	01-17.E455	Life Insurance	379.50	379.50	103035
KODIAK CONTROLS INC.	K000210	03/25/21	VC10V54	01-12.B510	Pearth 4 Repl Press Gage	100.62		
		04/07/21	VC10V54A	01-12.B510	Pearth 4 Pressure Gauge	830.72	931.34	103036
KOMLINE-SANDERSON	K000230	03/05/21	42049160	01-12.B509	Belt Press Hyd Cylinder	2462.52	2462.52	103037
LAI, LTD	L000012	03/26/21	21-17989A	01-12.B508	WAS Thickener Vlv & Act	4560.00		

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		03/18/21	21-18174	01-12.B509	Slg Dry Bed 15 Part	691.00	5251.00	103038
LOU'S GLOVES	L000300	04/14/21	040746	01-12.B116	Gloves	392.00	392.00	103039
MCMASTER-CARR SUPPLY COMPANY	M000360	03/24/21	55497828	01-12.B508	Plymer Drum Hand Truck	383.03	383.03	103040
MENARDS - BOLINGBROOK	M000430	03/18/21	10688	01-12.B811	Micro Strainer Bldg Part	58.38		
		03/23/21	10925	01-12.B507	Blst Mix Heat Trace	239.76		
		04/09/21	11709	01-11.B115	Admin Security Cameras	193.98		
		04/12/21	11844	01-11.B115	Admin Security Cameras	111.83	603.95	062944
MIDAMERICAN ENERGY SERVICES, LLM000554		04/06/21	259824	01-15.B100	Northwest LS Elec	1413.51		
		03/22/21	259825	01-15.B100	Liberty Park LS Elec	390.49		
		03/22/21	259827	01-15.B100	Butterfield LS Elec	211.20		
		03/22/21	259828	01-15.B100	Earlston LS Elec	323.84		
		04/06/21	259829	01-15.B100	Venard LS Elec	397.43		
		04/06/21	259830	01-15.B100	Centex LS Elec	119.78		
		03/22/21	259831	01-15.B100	College LS Elec	400.11		
		04/01/21	462517	01-15.B100	Wroble LS Elec	871.03		
		04/01/21	462518	01-15.B100	Hobson LS Elec	2259.93		
		03/23/21	462554	01-11.B100	Admin Elec March	148.10		
		03/23/21	462554	01-12.B100	WWTC Elec March	3777.57		
		04/08/21	462554-1	01-11.B100	Admin Elec April	142.88		
		04/08/21	462554-1	01-12.B100	WWTC Elec April	4788.70	15244.57	103041
MOTION INDUSTRIES, INC.	M000750	03/26/21	IL10-707128	01-12.B503	Exc Tank 4 CC Gear Motor	2048.87	2048.87	103042
NCPERS GROUP LIFE INSURANCE	N000010	03/10/21	3266042021	01-00.2017	Voluntary Life Ins	288.00	288.00	103043
NAPA AUTO PARTS	N000040	03/16/21	4343-708681	01-12.B501	Auger Parts	146.60	146.60	062945
NAPCO STEEL, INC.	N000050	03/17/21	446763	01-12.B113	Mesh Safety Guards Pumps	224.45		
		03/25/21	446992	01-12.B506	Tubing Vlv Hndls Prim Tnk	304.25	528.70	103044
NATIONAL SAFETY COUNCIL	N000140	02/15/21	610561	01-11.B137	Membership Dues	425.00	425.00	062946
NEUCO, INC.	N000260	03/12/21	4969070	01-12.B507	Aer Tnk 5-7 Rep Kits Blst	1818.42	1818.42	103045
NICOR GAS	N000330	03/16/21	2833584	01-12.B101	Walnut House Gas	135.57		
		03/16/21	3892638	01-11.B101	Admin Gas	177.28		
		03/16/21	4440979	01-12.B101	Plant Gas	352.77		
		03/18/21	4664113	01-12.B101	Plant 2 Gas	198.34		
		03/16/21	4782107	01-12.B101	Chem Feed Gas	305.61	1169.57	062947
NISSEN ENERGY INC	N000350	03/23/21	225	01-12.B513	CHP l&2 Oil Filters	108.84	108.84	103046
ACI PAYMENTS INC.	O000300	03/19/21	1000043918	01-11.B110	OLR Fees	16.20	16.20	103047
PACE ANALYTICAL	P000010	03/17/21	2140097619	01-13.B123	NPDES Sampling	115.00	115.00	103048
PETTY CASH	P000350	04/15/21	Cash Box	01-11.B119	Postage Due	6.12		
		04/15/21	Cash Box	01-12.B116	MSB Supplies	10.17	16.29	062948
PIRTEK O'HARE	P000380	03/17/21	BO-T00004394	01-12.B501	Auger Repair Parts	770.90		
		03/23/21	BO-T00004448	01-12.B501	Auger Repair Parts	147.24	918.14	062949
POLYDYNE INC.	P000395	03/12/21	1526479	01-12.B402	Belt Press Polymer	2142.54		
		04/07/21	1533599	01-12.B402	Belt Press Polymer	2142.54	4285.08	103049
PORTABLE JOHN, INC	P000410	04/10/21	252737	01-12.B812	Port-A-Potty	157.88	157.88	103050
PRINCIPAL LIFE INSURANCE CO	P000650	03/18/21	1093099	01-17.E455	Dental Insurance	2464.57	2464.57	103051
RAINBOW ELECTRIC CO.	R000070	03/31/21	MSINV2701	01-12.B811	Munters Blower Motor	552.42	552.42	103052
RED WING SHOE STORE	R000180	03/02/21	123-1-86506	01-14.B117	OA Boots	216.74		
		02/12/21	45-1-93380	01-12.B117	AC Boot Return	203.99-		

01 GENERAL FUND STANDARD CHECK REGISTER FOR 04/20/21

Date: 04/15/21
Time: 10:06am

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		03/22/21	45-1-96029	01-12.B117	CP Boots	276.24		
		03/22/21	45-1-96030	01-12.B117	CP Tuff Toe Boots	31.99	320.98	103053
SEAWAY SUPPLY CO.	S000200	03/24/21	168071	01-12.B116	MSB Supplies	169.88		
		03/26/21	168135	01-14.B113	Face Masks	89.00	258.88	103054
SMARTSIGN	S000432	03/25/21	RTS-231304	01-11.B113	Road Signs	458.99		
		04/06/21	RTS-232606	01-11.B113	Road Signs	240.84	699.83	062950
SOIL & MATERIAL	S000445	03/09/21	46148	01-14.B901	Burlington & Adams St	3434.00	3434.00	062951
SOLENIS LLC	S000450	04/01/21	131784702	01-12.B402	WAS Thickener Polymer	2520.00	2520.00	103055
SOUND INCORPORATED	S000480	04/06/21	70053	01-11.B115	Axis Camera & Milestone	3594.00	3594.00	103056
SOUTHWEST OIL, INC	S000500	03/15/21	39732	01-12.B116	Used Oil Disposal	105.00	105.00	062952
STAPLES INC.	S000640	03/09/21	3474081710	01-11.B116	Admin Supplies	216.00		
		03/25/21	3474081711	01-11.B116	Admin Supplies	31.19		
		03/26/21	3474081712	01-11.B116	Admin Supplies	106.94		
		04/01/21	3474081713	01-11.B116	Admin Supplies	79.45		
		04/01/21	3474081714	01-11.B116	Admin Supplies	31.96	465.54	103057
STENSTROM PETROLEUM	S000670	03/09/21	S162115	01-12.B104	Replacement Covers	2950.00	2950.00	062953
STEPHENS PLUMBING AND	S000680	03/08/21	231028	01-14.B910	Shear Repair	369.35	369.35	062954
SUBURBAN LIFE PUBLICATIONS	S000867	03/31/21	10071278	01-11.B124	Legal Publications	1139.62	1139.62	062955
TALLMAN EQUIPMENT COMPANY INC.	T000040	02/02/21	3274529	01-12.B513	Trash Pump Hydraulic Pack	183.87	183.87	062956
TERRACE SUPPLY COMPANY	T000250	03/31/21	01021594	01-12.B116	Cylinder Rentals	52.70	52.70	103058
TRI-STATE HYDRAULICS, INC	T000570	03/26/21	501334	01-12.B507	Auger Motor Repair	1826.57	1826.57	062957
U.S. UPFITTERS	U000120	03/31/21	84573	01-14.C226	New SS Van Lights Install	2921.73	2921.73	062958
USABLUBOOK	U000150	03/09/21	526185	01-14.B115	SS Tools	44.13		
		03/29/21	556412	01-13.B115	Lab Equipment	3981.43	4025.56	062959
UNDERCUTTERS	U000190	04/11/21	Tree Service	01-12.B812	Tree Removal	1585.00	1585.00	062960
UNISTRUT SERVICE COMPANY	U000195	03/02/21	0162658-IN	01-12.B502	Bulk Hypo Tank Parts	1087.34		
		03/02/21	0162706-IN	01-12.B502	Bulk Hypo Tank Parts	591.33		
		03/05/21	0163883-IN	01-12.B502	Hypo Bldg Piping Supports	628.90		
		03/12/21	0164471-IN	01-12.B502	Hypo Bldg Piping Supports	175.98		
		03/19/21	0165790-IN	01-12.B502	Hypo Bldg Piping Supports	34.89	2518.44	062961
UNITED PARCEL SERVICE	U000300	04/07/21	1467133930	01-12.B513	Nissen Warranty Part Ship	41.00		
		03/13/21	3Y0091111	01-13.B123	Overnight Ship Sample	10.23		
		04/10/21	3Y0091151	01-14.B115	Part Return Shipping	11.33	62.56	062962
UNO CONSTRUCTION CO., INC.	U000450	03/31/21	9	01-14.B910	BSSRAP Projects	69735.84	69735.84	103059
VWR INTERNATIONAL INC.	V000030	03/05/21	8803979771	01-13.B114	Lab Chemicals	285.24		
		03/05/21	8803979771	01-13.B116	Lab Supplies	432.10		
		03/10/21	8804036789	01-13.B114	Lab Chemicals	265.45	982.79	062963
VERIZON WIRELESS	V000135	04/01/21	542042956	01-12.B112	WWTC Tablets	118.05		
		04/01/21	542042956	01-14.B112	SS Tablets	447.47		
		04/01/21	542042956	01-15.B112	LS Tablets	36.01		
		03/26/21	785846626	01-11.B112	Admin Cell Phone	310.86		
		03/26/21	785846626	01-12.B112	WWTC Cell Phone	1044.25		
		03/26/21	785846626	01-14.B112	SS Cell Phone	637.75		
		03/26/21	785846626	01-15.B112	LS Cell Phone	279.87	2874.26	062964
VOGELSANG	V000300	03/10/21	50009613	01-12.B510	Sfty Swtch Grease Grinder	904.89	904.89	103060
WAGNER COMMUNICATIONS, INC	W000070	04/01/21	210400324	01-11.B112	Answering Service	371.16	371.16	103061

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
WESTFAX	W000350	04/01/21	1370942	01-11.B112	EFax Service	8.99	8.99	103062
WEST SIDE TRACTOR SALES CO.	W000380	04/13/21	V00062	01-12.B501	JD Loader Repair	2755.96	2755.96	062965
MICHAEL G. PHILIPP, P.C.	W000551	03/04/21	1225	01-11.B124	Legal Services	450.00		
		04/06/21	1250	01-11.B124	Legal Services	1200.00	1650.00	062966
						=====	=====	
Total Payments:						363354.81	363354.81	
ACH Payments Total:						252220.09	.00	
Check Payments Total:						111134.72	363354.81	

01 GENERAL FUND MANUAL CHECK REGISTER FOR 04/20/21

Date: 04/15/21
Time: 10:06am

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
AT&T	A000075	04/06/21	081267687503	01-11.B112	DSL Internet	62.82	62.82	103005
CHASE	B000050	03/16/21	PR 03/06/21	01-00.2000	Federal Tax	9174.43		
		03/16/21	PR 03/06/21	01-00.2002	Empl Soc Sec Tax	6339.77		
		03/16/21	PR 03/06/21	01-17.E461	Emplr Soc Sec Tax	6339.76	21853.96	102984
CHASE	B000050	03/19/21	SPR 03/15/21	01-00.2000	Federal Tax	3094.16		
		03/19/21	SPR 03/15/21	01-00.2002	Empl Soc Sec Tax	2367.80		
		03/19/21	SPR 03/15/21	01-17.E461	Emplr Soc Sec Tax	2367.80	7829.76	102988
CHASE	B000050	03/30/21	PR 03/20/21	01-00.2000	Federal Tax	8800.42		
		03/30/21	PR 03/20/21	01-00.2002	Empl Soc Sec Tax	6128.08		
		03/30/21	PR 03/20/21	01-17.E461	Emplr Soc Sec Tax	6128.02	21056.52	102993
CHASE	B000050	04/06/21	SPR 03/31/21	01-00.2000	Federal Tax	3114.87		
		04/06/21	SPR 03/31/21	01-00.2002	Empl Soc Sec Tax	2383.43		
		04/06/21	SPR 03/31/21	01-17.E461	Emplr Soc Sec Tax	2383.42	7881.72	103001
CALLONE	C000073	03/31/21	388540	01-11.B112	March Phone Service	596.43		
		03/31/21	388540	01-12.B112	March Phone Service	371.73	968.16	102998
WILLIAM C CAMPBELL	C000075	04/06/21	Reimburse	01-11.B118	Gazebo Admin Center	1499.99		
		04/06/21	Reimburse	01-12.B812	Gazebo WWTC	2899.99	4399.98	103000
D.G. SANIT DIST #XXXXXXXXX1117	D000400	04/21/21	Reimburse	01-00.1001	PR Acct Reimburse	148440.74	148440.74	103004
D.G. SANIT DIST #XXXXXXXXX1114	D000420	04/21/21	Reimburse	01-05.3001	User Refund Acct Reimburs	1495.37	1495.37	103012
D.G. SANIT DIST #XXXXXXXXX1112	D000440	04/21/21	Reimburse	01-11.B117	AB Webinar	60.00		
		04/21/21	Reimburse	01-14.B910	BSSRAP Rodding Refund	382.65	442.65	103013
DUPAGE CREDIT UNION	D000650	03/12/21	PR 03/06/21	01-00.2013	Empl Authorized W/Holding	980.00	980.00	102987
DUPAGE CREDIT UNION	D000650	03/26/21	PR 03/20/21	01-00.2013	Empl Authorized W/Holding	980.00	980.00	102992
FULLIFE LLC	F000440	03/18/21	54164	01-12.B117	WWTC Outerwear	80.39		
		03/18/21	54164	01-13.B117	Lab Outerwear	244.85	325.24	062854
HEALTH CARE SERVICE CORP.	H000190	03/25/21	165585	01-17.E455	Health Insurance	41582.04	41582.04	102991
ILLINOIS DEPARTMENT OF REVENUE	I000240	03/16/21	PR 03/06/21	01-00.2001	State Tax	3831.57	3831.57	102985
ILLINOIS DEPARTMENT OF REVENUE	I000240	03/19/21	SPR 03/15/21	01-00.2001	State Tax	1412.63	1412.63	102989
ILLINOIS DEPARTMENT OF REVENUE	I000240	03/30/21	PR 03/20/21	01-00.2001	State Tax	3699.98	3699.98	102994
ILLINOIS DEPARTMENT OF REVENUE	I000240	04/06/21	SPR 03/31/21	01-00.2001	State Tax	1421.29	1421.29	103002
ILLINOIS MUNICIPAL	I000300	04/07/21	Pension	01-00.2003	Empl Pension Deposit	10300.59		
		04/07/21	Pension	01-00.2014	Empl Vol Pension Deposit	9243.18		
		04/07/21	Pension	01-17.E460	Emplr Pension Deposit	23050.47	42594.24	102997
INVOICE CLOUD	I000750	04/10/21	6072021-3	01-11.B121	Biller Portal Fees	393.90	393.90	103006
MIDAMERICAN ENERGY SERVICES, LLM000554		03/16/21	Multiple	01-11.B100	Admin Elec	208.61		
		03/16/21	Multiple	01-12.B100	WWTC Elec	16422.97		
		03/16/21	Multiple	01-15.B100	LS Elec	5059.59	21691.17	062723
MIDAMERICA ADMIN HRA ACCOUNT	M000557	03/27/21	HRA Fund	01-17.E455	HRA Acct Funding	500.00	500.00	102996
TRANSAMERICA RETIREMENT	T000415	03/12/21	PR 03/06/21	01-00.2026	Def Comp IPPFA	302.23		
		03/12/21	PR 03/06/21	01-00.2027	Def Comp Roth IPPFA	40.00		
		03/12/21	PR 03/06/21	01-00.2028	Def Comp Loan Repay IPPFA	162.27	504.50	102986
TRANSAMERICA RETIREMENT	T000415	03/17/21	SPR 03/15/21	01-00.2026	Def Comp IPPFA	426.92		
		03/17/21	SPR 03/15/21	01-00.2028	Def Comp Loan Repay IPPFA	77.06	503.98	102990
TRANSAMERICA RETIREMENT	T000415	03/26/21	PR 03/20/21	01-00.2026	Def Comp IPPFA	306.11		
		03/26/21	PR 03/20/21	01-00.2027	Def Comp Roth IPPFA	40.00		
		03/26/21	PR 03/20/21	01-00.2028	Def Comp Loan Repay IPPFA	162.27	508.38	102995

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
TRANSAMERICA RETIREMENT	T000415	04/02/21	SPR 03/31/21	01-00.2026	Def Comp IPPFA	447.05		
		04/02/21	SPR 03/31/21	01-00.2028	Def Comp Loan Repay IPPFA	77.06	524.11	103003
U.S. POSTAL SERVICE	U000130	04/06/21	Refill	01-11.B119	Postage Meter Refill	1000.00	1000.00	103007
WEATHERTECH DIRECT LLC	W000210	03/25/21	722726268	01-14.C225	SS Transit Van Mats	127.95	127.95	062855
Zoom Inc.	Z000200	03/26/21	P-82870894	01-11.B115	Zoom Annual Membership	189.90	189.90	102999
						=====	=====	
Total Payments:						337202.56	337202.56	
ACH Payments Total:						336749.37	.00	
Check Payments Total:						453.19	337202.56	

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
BAXTER & WOODMAN, INC.	B000120	03/19/21	0221520	02-47.0502	Centex LS Design	1497.50	1497.50	103063
IL ENV PROTECTION AGENCY	I000260	03/15/21	20-1	02-30.0515	Loan Repayment	46595.52	46595.52	103064
						=====	=====	
					Total Payments:	48093.02	48093.02	
					ACH Payments Total:	48093.02	.00	
					Check Payments Total:	.00	48093.02	

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
IL ENV PROTECTION AGENCY	I000260	03/15/21	20-2	03-30.0515	Loan Repayment	14403.64	14403.64	103065
						=====	=====	
					Total Payments:	14403.64	14403.64	
					ACH Payments Total:	14403.64	.00	
					Check Payments Total:	.00	14403.64	

DATE _____

REVIEWED _____

TRUSTEE APPROVAL _____

PRESIDENT

CLERK

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-00.1000	CASH		700557.37-
01-00.1001	CASH - PAYROLL ACCOUNT	148440.74	
01-00.2000	FEDERAL TAX WITHHELD	24183.88	
01-00.2001	STATE TAX WITHHELD	10365.47	
01-00.2002	SOCIAL SECURITY WITHHELD	17219.08	
01-00.2003	IMRF WITHHELD	10300.59	
01-00.2005	CLEARING	389.41	
01-00.2013	CREDIT UNION WITHHELD	1960.00	
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	9243.18	
01-00.2017	VOLUNTARY GROUP LIFE	288.00	
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	1482.31	
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH	80.00	
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD	478.66	
01-05.3001	USER RECEIPTS	1495.37	
01-11.B100	ELECTRICITY	594.33	
01-11.B101	NATURAL GAS	177.28	
01-11.B110	BANK CHARGES	16.20	
01-11.B112	COMMUNICATION	2325.94	
01-11.B113	EMERGENCY/SAFETY EQUIPMENT	6744.39	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	7490.32	
01-11.B116	SUPPLIES	465.54	
01-11.B117	EMPLOYEE/DUTY COSTS	468.22	
01-11.B118	BUILDING AND GROUNDS	1928.99	
01-11.B119	POSTAGE	1006.12	
01-11.B121	USER BILLING MATERIALS	8503.24	
01-11.B124	CONTRACT SERVICES	5328.37	
01-11.B137	MEMBERSHIPS/SUBSCRIPTIONS	425.00	
01-11.C225	OPERATION/REPAIR	6.75	
01-12.B100	ELECTRICITY	26008.11	
01-12.B101	NATURAL GAS	992.29	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	1302.64	
01-12.B104	FUEL - GENERATORS	2950.00	
01-12.B112	COMMUNICATION	1912.68	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	704.45	
01-12.B116	SUPPLIES	3467.35	
01-12.B117	EMPLOYEE/DUTY COSTS	676.18	
01-12.B401	CHEMICALS - DISINFECTION	2749.12	
01-12.B402	CHEMICALS - SLUDGE DEWATERING	6805.08	
01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	5197.26	
01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	5259.33	
01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	2048.87	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	304.25	
01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	25491.44	
01-12.B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	12481.87	
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	5471.60	
01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	1920.46	

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	1293.77	
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	13464.82	
01-12.B805	BLDG AND GROUNDS - INFLUENT PUMPING	12.97	
01-12.B810	BLDG AND GROUNDS - SLUDGE DIGESTION	20.50	
01-12.B811	BLDG AND GROUNDS - TERTIARY TREATMENT	3044.95	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	6978.33	
01-12.C225	OPERATION/REPAIR	292.47	
01-13.B114	CHEMICALS	1376.00	
01-13.B115	EQUIPMENT/EQUIPMENT REPAIR	4684.67	
01-13.B116	SUPPLIES	757.14	
01-13.B117	EMPLOYEE/DUTY COSTS	261.64	
01-13.B123	OUTSIDE LAB SERVICES	354.43	
01-13.C225	OPERATION/REPAIR	1.65	
01-14.B112	COMMUNICATION	1085.22	
01-14.B113	EMERGENCY/SAFETY EQUIPMENT	110.32	
01-14.B115	EQUIPMENT/EQUIPMENT REPAIR	4680.56	
01-14.B116	SUPPLIES	675.53	
01-14.B117	EMPLOYEE/DUTY COSTS	355.93	
01-14.B127	JULIE SYSTEM	3926.58	
01-14.B901	SEWER SYSTEM REPAIRS - I/I PROGRAM	5115.63	
01-14.B902	SEWER SYSTEM REPAIRS - REPLACEMENT	3701.87	
01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	70487.84	
01-14.B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/REH	1074.00	
01-14.B929	ARRA LOAN PRINCIPAL REPAYMENT	90795.59	
01-14.C225	OPERATION/REPAIR	241.48	
01-14.C226	VEHICLE PURCHASES	2921.73	
01-15.B100	ELECTRICITY	15985.98	
01-15.B104	FUEL - GENERATORS	2902.67	
01-15.B112	COMMUNICATION	432.77	
01-15.B520	EQPT/EQPT REPAIR - BUTTERFIELD	9.97	
01-15.B522	EQPT/EQPT REPAIR - COLLEGE	7663.50	
01-15.B524	EQPT/EQPT REPAIR - HOBSON	1030.05	
01-15.B528	EQPT/EQPT REPAIR - WROBLE	164.00	
01-15.B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	1760.00	
01-17.E452	LIABILITY/PROPERTY	100.00	
01-17.E455	EMPLOYEE GROUP HEALTH	45372.98	
01-17.E460	IMRF	23050.47	
01-17.E461	SOCIAL SECURITY	17219.00	
02-00.1000	CASH		48093.02-
02-30.0515	PAYMENT ON LOAN PRINCIPAL	46595.52	
02-47.0502	DESIGN ENGINEERING/ARCHITECTURAL	1497.50	
03-00.1000	CASH		14403.64-
03-30.0515	PAYMENT ON LOAN PRINCIPAL	14403.64	
		=====	
		763054.03	763054.03-

Vendor	Invoice Date	Amount	Coding	Coding Description	Purchase Location	Emp.	Procurement	Project Name (If applicable)	Item Description
Grainger	03/09/21	\$75.87	01-12.B811	BLDG & GROUNDS - TERTIARY TREATMENT	Delivered	CP		Lighting	Fluor Ballast
Grainger	03/09/21	\$201.75	01-13.B114	CHEMICALS	Delivered	DRB		Chemicals	Triple Sugar Agar, XLD Agar
Grainger	03/09/21	\$139.82	01-13.B116	LAB SUPPLIES	Delivered	DRB		Lab Supplies	
Grainger	03/10/21	\$1.19	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	03/10/21	\$68.02	01-12.B116	WWTC SUPPLIES	Delivered	MM			combination wrenches and blanket finder flashlights
Grainger	03/11/21	\$18.72	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JM		Maintenance Repair Supplies	6" Pipe Flange Gaskets
Grainger	03/11/21	\$306.10	01-11.B113	ADMIN SAFETY	Delivered	JG		Safety	Clear Visors
Grainger	03/12/21	\$16.79	01-13.B117	EMPLOYEE/DUTY COSTS	Delivered	SC		Outerwear	Rubber Boots
Grainger	03/12/21	\$16.24	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JM		Maintenance Repair Supplies	6" Rubber Flange Gaskets
Grainger	03/17/21	\$21.32	01-14.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	DJ			High Visibility Vest
Grainger	03/19/21	-\$153.47	01-11.B113	ADMIN SAFETY	Delivered	JG		Safety	Returned Face Shields From Previous Order
Grainger	03/24/21	\$68.85	01-12.B116	WWTC SUPPLIES	Delivered	FF		Supplies	Car Wash Soap (5 Gallon)
Grainger	03/24/21	\$61.71	01-12.B116	WWTC SUPPLIES	Delivered	FF		Supplies	Truck & Equipment Wash Soap (5 Gallon)
Grainger	03/25/21	\$341.91	01-11.B116	ADMIN SUPPLIES	Delivered	MM		Maintenance Repair Supplies	Oil for Ops for pearth 4
Grainger	03/25/21	\$34.83	01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	Delivered	NW		Pearth 4	Pressure Gauge Snubbers
Grainger	03/24/21	\$49.40	01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	Delivered	AC		Wemco Pumps	Grease Fitting Adaptors
Grainger	04/01/21	\$1,864.67	01-11.B113	ADMIN SAFETY	Delivered	NW		Safety Project - Ladder Upgrades	(13) 6', (7) 8', (1) 16', (1) 20' Ladder
Grainger	04/06/21	\$28.22	01-13.B116	LAB SUPPLIES	Delivered	DRB	shopped	BOD equipment	rechargeable batteries for BOD meter
Grainger	04/07/21	\$42.16	01-12.B811	BLDG & GROUNDS - TERTIARY TREATMENT	In-Store	NW		Sand Filter Roof Safety Railing	(10) Pack Spiral Tube Brushes
Grainger	03/18/21	\$610.76	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Re-Stock Plumbing & Hardware Supplies
Grainger	04/06/21	\$162.52	01-13.B114	CHEMICALS	Delivered	DRB	circle k	nitrate analysis	1000ppm standard, 2 bottles
Home Depot	03/23/21	\$88.11	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	CP		Maintenance Repair Supplies	Rebar, Razor Blades, Concrete Grinding Wheel, 48" Level
Home Depot	03/12/21	\$167.46	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	CP		Storage Shelving B&G Cage	Lumber & hardware for Building Shelving
Home Depot	04/01/21	\$34.53	01-14.B116	SEWER SYSTEM SUPPLIES	In-Store	AH			PVC Pipe
Home Depot	04/01/21	-\$32.65	01-12.B805	BLDG & GROUNDS - INFLUENT PUMPING	In-Store	NW		Bar Screen Building Lighting	LED Light Bulb
Home Depot	03/11/21	\$20.44	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	BS		Maintenance Repair Supplies	Mason Line, Line Level & Wire Nuts
Home Depot	03/31/21	\$263.88	01-11.B113	ADMIN SAFETY	In-Store	NW		Safety Project - Ladder Upgrades	(6) 3-Step Gorilla Ladders with Safety Handles
Home Depot	03/31/21	\$49.97	01-12.B805	BLDG & GROUNDS - INFLUENT PUMPING	In-Store	NW		Bar Screen Building Lighting	LED Light Bulb
Home Depot	03/31/21	\$32.65	01-12.B805	BLDG & GROUNDS - INFLUENT PUMPING	In-Store	NW		Bar Screen Building Lighting	LED Light Bulb
Home Depot	03/31/21	-\$49.97	01-12.B805	BLDG & GROUNDS - INFLUENT PUMPING	In-Store	NW		Bar Screen Building Lighting	LED Light Bulb
Home Depot	03/30/21	\$35.60	01-12.B811	BLDG & GROUNDS - TERTIARY TREATMENT	In-Store	CP		Microtrainer Building Floor Plate	Concrete Drill Bits & Anchors
Home Depot	04/09/21	\$164.54	01-12.B116	WWTC SUPPLIES	In-Store	CP		Supplies	Ladder Hanging Hooks & Liquid Hand Soap
Home Depot	04/08/21	\$7.00	01-14.B116	SEWER SYSTEM SUPPLIES	In-Store	AH			fitting
Home Depot	04/08/21	-\$149.00	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	CP	Same Trip	Gas Grill for MSB	Dyna-Glo Grill (Returned - Missing Parts)
Home Depot	04/08/21	\$149.00	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	CP	Same Trip	Gas Grill for MSB	Nex-Grill
Home Depot	03/18/21	\$20.50	01-12.B810	BLDG & GROUNDS - SLUDGE DIGESTION	In-Store	NW		Digester 2 Staircase Templates	Masonite Board & Cardboard
Home Depot	04/07/21	\$149.00	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	CP		Gas Grill for MSB	Dyna-Glo Grill
Home Depot	04/06/21	\$35.41	01-12.C225	OPERATION/REPAIR	In-Store	CP		B&G Service Van	Steel & Hardware for Storage Shelving in B&G Van
Home Depot	03/25/21	\$18.07	01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	In-Store	JM		Thickener Air Relief Valve	Female End Hose Repair, Rubber Hose Washers, Clamp
Home Depot	03/15/21	\$9.97	01-15.B520	EQUIP/EQUIP REPAIR - BUTTERFIELD	In-Store	BS		Butterfield Pump 1 Repair	Pipe Nipple Extractor
Home Depot	03/15/21	\$44.00	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	CP		Tool Storage B&G Cage	Storage Hooks & Tool Hangers
Home Depot	03/25/21	\$12.97	01-12.B805	BLDG & GROUNDS - INFLUENT PUMPING	In-Store	RF		Stair Repair	Rapid Set Mortar
Home Depot	03/15/21	\$32.85	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	AC		Maintenance Repair Supplies	Cutting Wheels for Gas Powered Saw Concrete & Metal
Home Depot	03/15/21	\$703.24	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	Delivered	JPB			Refrigerator and Haul Away Old
Home Depot	04/13/21	\$139.80	01-12.B116	WWTC SUPPLIES	In-Store	CP		Supplies	Command Hooks, Tap-Con Screws, Hooks, Cable Wire, Ferrules

Date: 4/15/2021

Petty Cash Checking Reimbursement

D-440

Due Date: 4/21/2021

Invoice #: Reimburse

Date	Purchased From	Description	Code	Amount	Ck No.	
04/13/21	CSWEA	AB Webinar	11.B117	60.00	3703	3700
04/14/21	Anderson, Nicolas	BBSRAP Rodding Refund	14.B910	382.65	3704	3257.35
						3700.00

Total Receipts/Reimbursement 442.65

Expense by code

11.B117	60.00
14.B910	382.65
	<u>442.65</u>

Date: 4/15/2021

Petty Cash Reimbursement

P - 350

Due Date: 4/20/2021

Invoice #: Cash Box

Date	Purchased From	Reimbursed To	Description	Code	Amount
2/8/2021	USPS	Megan M	Postage Due	11.B119	1.76
2/22/2021	USPS	Megan M	Postage Due	11.B119	0.63
3/1/2021	USPS	Megan M	Postage Due	11.B119	1.26
3/15/2021	Jewel	Chuck P	MSB Supplies	12.B116	10.17
3/18/2021	USPS	Megan M	Postage Due	11.B119	1.23
3/30/2021	USPS	Megan M	Postage Due	11.B119	1.24
			Total Receipts		16.29

Expense by code

11.B119 6.12

12.B116 10.17

16.29

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Amy R. Underwood
General Manager

FROM: W. Clay Campbell
Administrative Supervisor

DATE: April 16, 2021

RE: Employee Group Insurance Renewals

The purpose of this Memo is to review the District's employee group insurance benefits plan and provide a recommendation for the June 1, 2021 renewal. Similar to the last two years, the District's medical insurance carrier, BlueCross BlueShield of Illinois (BCBSIL) calculated and offered to the District a composite rate for each tier of coverage for each plan (a set rate for each of the following tiers: Employee Only, Employee Plus Spouse, Employee Plus Child(ren) or Family coverage).

Six years ago we began collecting contributions from employees to help control the cost of coverage paid by the District, and to continue aligning ourselves with industry norms. The District began requiring premium contributions in June 2014 for those employees and eligible dependents that elected to take the PPO plan offered through Humana and in June 2015 we began requiring premium contributions for those employees and eligible dependents that elected to take either the PPO plan or a richer HMO plan offered through BCBSIL. This past year we offered four different plans (two HMO-styled plans and two PPO-styled plan). Our employee group did not participate at all in the Advocate-only HMO styled plan and instead enrolled in one of the three other plans that offered more flexible provider networks (63% in the Platinum HMO, 15% in the less rich, broader network PPO, and 22% in the richer, narrower network PPO). During enrollment, we saw some employees decide to switch from the less rich, broader network PPO plan to the richer, narrower network PPO plan even though it required substantially more premium contributions due to the richness of the benefits offered by that plan even though there was some risk of provider disruption.

To assist in analyzing the renewal and to provide a historical perspective, we prepared the attached History of Premiums and Benefits, along with a recommended benefit offering to employees for coverage for the next year (Options 1, 2, and 3 as a package). The current employee census is applied to all plans on the sheet (including historical plans). The actual historical amounts paid varied with changes in our employee demographics. We again utilized the services of a consultant, GCG Financial, for this renewal, who has consulted on previous annual renewals since 2003. Amy Abell of GCG Financial will be attending the April 20 board meeting via Zoom to address any questions that may come up.

History

A chronological summary of recent renewals is as follows:

- 2018 The District maintained its medical coverage with BCBSIL and offered a total of four different plans for employees to choose from (a single provider (Advocate) HMO option at no cost to the employee, a richer HMO requiring employee premium contribution, a PPO option with a narrower provider network offering requiring employee premium contribution, and a rich hybrid PPO option requiring employee premium contribution), switched the dental coverage to Principal for a two-year contract and continued the vision coverage with EyeMed Vision Care for an overall percent change in health insurance (medical, dental and vision) premiums from the prior year at approximately 8.88% after employee premium contributions were applied and enrollment demographics shifted. In 2018, the District also began to offer a Health Reimbursement Account for employees and their spouses that come off the District's medical group coverage (\$100 per month for each spouse or employee that does not elect coverage through the District). We had 1 employee and 4 spouses that were eligible to be on the District's plan, but elected to obtain coverage through the spouse's employer resulting in enjoyment of this benefit.
- 2019 The District maintained its medical coverage with BCBSIL and offered a total of three different plans for employees to choose from (a single provider (Advocate) HMO option identical in benefit structure to the richer HMO option requiring employee premium contribution, a rich full HMO requiring employee premium contribution, and a rich hybrid PPO option requiring employee premium contribution), continued the dental coverage with Principal in its second year of a two-year contract and continued the vision coverage with EyeMed Vision Care for an overall percent change in health insurance (medical, dental and vision) premiums from the prior year at approximately -2.00% after employee premium contributions were applied and enrollment demographics shifted. In 2019, the District continued to offer a Health Reimbursement Account for employees and their spouses that come off the District's medical group coverage (\$100 per month for each spouse or employee that does not elect coverage through the District). We had 2 employees and 4 spouses that were eligible to be on the District's plan, but elected to obtain coverage through a spouse's or parent's employer resulting in enjoyment of this benefit.
- 2020 The District maintained its medical coverage with BCBSIL and offered a total of four different plans for employees to choose from (a single provider (Advocate) HMO option identical in benefit structure to the richer HMO option requiring employee premium contribution, a rich full HMO requiring employee premium contribution, a less rich, broader network hybrid PPO option requiring employee premium contribution, and a richer, narrower network PPO option requiring employee premium contribution), continued the dental coverage with Principal in its only year of a one-year contract and began a new 4-year contract with the same provider as before for vision coverage with EyeMed Vision Care for an overall percent change in health insurance (medical, dental and vision) premiums from the prior year at approximately 3.21% after employee premium contributions were applied and enrollment demographics shifted. In 2020, the District continued to offer a Health Reimbursement Account for employees and their spouses that

come off the District's medical group coverage (\$100 per month for each spouse or employee that does not elect coverage through the District). We currently have 2 employees and 3 spouses that are eligible to be on the District's plan, but have elected to obtain coverage through a spouse's or parent's employer resulting in enjoyment of this benefit.

Dental and Vision Coverage

As the District is ending the only year of a one-year contract with Principal for dental coverage, the District solicited a renewal quote from Principal. Initially, Principal offered the District a renewal increase for an only one-year contract of 4.0% coming off of several years where potential rate increases had been waived. The District also inquired if Principal would be interested in a two-year contract with the District in an effort to lock in some costs over the next two years. At first, Principal declined, but their underwriting department came back with an offer of a two-year contract with a rate increase of 6.5% - the District would incur a higher, up front increase in the first year of 6.5%, but would have no increase at all on the second year. This could be valuable to the District in evaluating its medical insurance renewals next year as we would be locked in for next year's renewal of dental and vision insurance coverage and focus on medical only.

For vision coverage, the District will be starting year 2 of a 4-year rate guarantee and thus requires no action.

Medical renewal with Alternate Carriers

In 2020, the District did seek quotes from both Humana and UHC and received quotes from them with projected increases of 34% and 45%, respectively, over 2019's expiring rates. As the District's existing carrier, BCBSIL, offered a moderate rate increase of 8.58% over existing premiums (while also considering that the last two years from BCBSIL have either been a decrease or under 4%, respectively), District staff elected to not seek quotes from other carriers this year.

2021 Renewal Options

We have developed three plan options that are very close to the amount budgeted for group health insurance for fiscal year 2021-22. Our broker has informed us that we can offer all three medical options to our group with no minimum participation required for any one particular plan. With this year's renewal, the premiums offered to the District from BCBSIL will result in a noticeable increase in the District's costs as compared to the current year. As a result, staff is recommending keeping all three of the plans that have appreciable enrollment currently with our group along with increasing employee premium contributions for all three existing plans to mitigate a portion of the rate increase from BCBSIL. The proposed employee premium contribution structure for all three plans is configured in such a way that the District will still bear a large portion of the financial increase, but employees' percentage share of the expense will slightly increase in order to make progress towards the District's goal of employee premium contributions being fairly in line with comparable peer agencies.

It should be noted that one of the District's existing plan options, the current Hybrid PPO Plan option (approximately 15% of group enrollment) is having several of its benefits slightly eroded by BCBSIL with the renewal this year.

1) Option 1 in the History table – Renewal of existing coverage with continuing to offer the same HMO-styled plan through BCBSIL with a deductible of \$0, low co-pays and out-of-pocket maximums. This plan would require employees to share the premiums with the District at new rates higher than the current level.

2) Option 2 in the History table - Renewal of existing coverage continuing to offer the hybrid PPO-styled plan through BCBSIL. This PPO plan does offer its participants the flexibility to utilize two different PPO networks – a thinner network with better co-pays, deductibles and out-of-pocket maximums and the full PPO network with high co-pays, deductibles and out-of-pocket maximums. This enables the employee to have some say in their costs in using this coverage while still providing the flexibility of the full BCBSIL PPO network. BCBSIL did reduce the benefits of this plan in most categories, but it continues to provide great value for having access to both the narrow and wide PPO networks offered by BCBSIL. This plan would require employees to share the premiums with the District at new rates higher than the current level.

3) Option 3 in the History table – Renewal of existing coverage with continuing to offer the same PPO-styled plan through BCBSIL with a \$500 individual deductible, \$1,500 family deductible, lower co-pays throughout, significantly lower annual out-of-pocket maximums and 90/10 coinsurance. This plan would require employees to share the premiums with the District at new rates higher than the current level.

Life Insurance Coverage

The District was offered a one-year rate increase pass from its existing life insurance carrier, Kansas City Life/NIS.

Employee Premium Contributions

Below is a table highlighting the recommended employee premium contribution requirements for those employees that select Options 1 (rich HMO), 2 (rich hybrid PPO) or 3 (richer, but narrow PPO). The strikeouts indicate the current year premium contributions for the various plans and tiers of coverage alongside the newly proposed employee premium contributions. **It should be noted when considering these proposed increases to employee premium contributions that both Option 1 (Rich HMO) and Option 2 (Hybrid PPO) employee premium contributions have not experienced any increases since 2018.** Option 3 (Rich, but Narrow PPO) was introduced as a plan option in 2020. Please note that these amounts are approximations at this time and staff may need to adjust these amounts prior to the first payroll for ease of administration and equity.

OPTION 1 (Rich HMO)	Annual Employee Contribution	Per Paycheck for Hrly	Per Paycheck for Sups
Employee Only	\$382.20 \$476.19	\$14.70 \$18.32	\$15.93 \$19.84
Employee Plus Spouse	\$1,528.80 \$1,862.85	\$58.80 \$71.65	\$63.70 \$77.62
Employee Plus Children	\$1,337.70 \$1,638.38	\$51.45 \$63.01	\$55.74 \$68.27
Family	\$2,102.10 \$2,569.81	\$80.85 \$92.36	\$87.59 \$100.06
OPTION 2 (Hybrid PPO)	Annual Emp. Contribution	Per Paycheck for Hrly	Per Paycheck for Sups
Employee Only	\$423.80 \$447.85	\$16.30 \$17.23	\$17.66 \$18.66
Employee Plus Spouse	\$1,695.20 \$1,738.89	\$65.20 \$66.88	\$70.63 \$72.45
Employee Plus Children	\$1,483.30 \$1,532.02	\$57.05 \$58.92	\$61.80 \$63.83
Family	\$2,330.90 \$2,401.47	\$89.65 \$92.36	\$97.12 \$100.06
OPTION 3 (Rich, but Narrow PPO)	Annual Employee Contribution	Per Paycheck for Hrly	Per Paycheck for Sups
Employee Only	\$611.57 \$682.23	\$23.52 \$26.24	\$25.48 \$28.43
Employee Plus Spouse	\$2,446.28 \$2,672.38	\$94.09 \$102.78	\$101.93 \$111.35
Employee Plus Children	\$2,140.50 \$2,349.65	\$82.33 \$90.37	\$89.19 \$97.90
Family	\$3,363.64 \$3,685.84	\$129.37 \$141.76	\$140.15 \$153.58

Also, please note that employees will be able to utilize the District's existing Flexible Savings Account to have their premium contributions deducted from their paychecks on a pre-tax basis.

Recommendations for Renewal

For the June 1, 2021 renewal, I am recommending that the District's Board of Trustees make the following motion at their regular meeting held on April 20, **"I move that the Downers Grove Sanitary District offers its full-time employees the three options listed in Administrative Supervisor Campbell's memo dated April 16, 2021 for medical insurance coverage with BlueCross BlueShield of Illinois, accept a two-year contract for dental coverage with Principal, resume vision coverage with EyeMed Vision Care and life insurance coverage with Kansas City Life / NIS with an overall anticipated percent change of 8.14% in health insurance (medical, dental and vision) and life insurance premiums from the prior year."** This year's calculation takes into consideration both the cost of the District providing the HRA benefit to its employees as well as anticipated employee premium contributions. Staff recommends we continue to offer the Health Reimbursement Account to employees as a cost savings measure.

In offering the same plans as the current year and increasing employee premium contributions an appreciable amount, I have calculated the District's increase in costs would likely not exceed 8.14%. This is based upon the assumption that all employees will remain on the exact same plans as we have noted that movement between plans typically doesn't occur when there are no additional viable alternatives to existing plans. Even though the District will slightly exceed its typical annually budgeted increase of 6%, these plan offerings and moderate increases to employee premium contribution levels provides a fair benefit to the District's employees this renewal cycle. In addition, the District's property and casualty insurance coverages for the upcoming fiscal year came in approximately \$15,000 under budget and there is an additional \$5,000 in overall group health insurance budget savings that together can be used to offset this additional expense over the course of the upcoming fiscal year.

As indicated in the attached History of Premiums and Benefits, by making plan design changes or changes in employee premium contributions over the last six years, the annual average percentage premium increase for the District to offer the employees' group insurance benefit is now 3.653%.

If you concur with this recommendation, this item should be placed on the agenda for the April 20 regular Board meeting.

Attachment

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

DOWNERS GROVE SANITARY DISTRICT HISTORY OF PREMIUMS AND BENEFITS

USING CURRENT EMPLOYEE CENSUS

APRIL 16, 2021

PREMIUMS

		PLAN UTILIZATION				
		WAVE	RICH PPO	HYBRID PPO	HMO	-
MEDICAL						
MED-CLASS 1-EMPLOYEE ONLY	ALL	1	2	1	7	0
MED-CLASS 2-EEE&SPOUSE		1	0	0	6	0
MED-CLASS 3-EEE&CHILD(REN)		0	2	1	0	0
MED-CLASS 4-FAMILY		0	3	3	7	0
	34	2	7	5	20	0

LIFE INSURANCE
ADMIN FEE PER MONTH
MONTHLY PREMIUM
ANNUAL PREMIUMS
FSA
HRA
RETIREE COSTS
EMPLOYEE CONTRIBUTIONS
NET ANNUAL PREMIUM FOR PLANS WITH CONTRIBUTIONS
PERCENT CHANGE - MEDICAL AND LIFE INS. ONLY BEFORE CONTRIBUTIONS
PROPOSED BILLED MEDICAL AND LIFE INS. PREMIUMS (PRORATED ANNUALLY)
PROPOSED MEDICAL AND LIFE INS. PREMIUMS AFTER CONTRIBUTIONS (PRORATED ANNUALLY)
PERCENT CHANGE - PROPOSED MEDICAL AND LIFE INS. PREMIUMS AFTER CONTRIBUTIONS

DENTAL	
DENTAL-CLASS 1-EMPLOYEE ONLY	11
DENTAL-CLASS 2-EEE&SPOUSE	6
DENTAL-CLASS 3-EEE&CHILD(REN)	4
DENTAL-CLASS 4-FAMILY	12
MONTHLY PREMIUM	<u>33</u>
ANNUAL PREMIUMS	
PERCENT CHANGE-DENTAL ONLY	

<i>VISION</i>	
VISION-CLASS 1-EMPLOYEE ONLY	11
VISION-CLASS 2-EEE&SPOUSE	6
VISION-CLASS 3-EEE&CHILD(REN)	4
VISION-CLASS 4-FAMILY	<u>12</u>
MONTHLY PREMIUM	33
ANNUAL PREMIUMS	
PERCENT CHANGE - VISION ONLY	

PERCENT CHANGE - ALL COVERAGES
TOTAL MONTHLY PREMIUM

TOTAL ANNUAL PREMIUMS	
PERCENT CHANGE - ALL COVERAGES	
VITALITY REDUCTIONS	
RESULTING PERCENT CHANGE AFTER VITALITY REDUCTIONS	

ANNUAL AVERAGE PERCENT CHANGE
OVER SIX YEARS

MEDICAL BENEFITS

MEDICAL PLAN NAME
 ANNUAL DEDUCTIBLE-IN NETWORK - INDIVIDUAL
 ANNUAL DEDUCTIBLE-IN NETWORK - FAMILY MAXIMUM
 ANNUAL OUT OF POCKET-IN NETWORK - INDIVIDUAL
 ANNUAL OUT OF POCKET-IN NETWORK - FAMILY MAXIMUM
 ANNUAL DEDUCTIBLE-OUT OF NETWORK - INDIVIDUAL
 ANNUAL DEDUCTIBLE-OUT OF NETWORK - FAMILY MAXIMUM
 ANNUAL OUT OF POCKET-OUT OF NETWORK - INDIVIDUAL
 ANNUAL OUT OF POCKET-OUT OF NETWORK - FAMILY MAXIMUM
 OFFICE VISIT CO-PAY (PCP / SPECIALIST)
 INPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE/COPAY
 OUTPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE/COPAY
 INPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE - OUT OF NETWORK
 OUTPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE - OUT OF NETWORK
 ER CO-PAY
 COINSURANCE PERCENTAGE
 DISCOUNTED PHARMACY CO-PAYS
 2ND TIER PHARMACY CO-PAYS
 LT MAX-IN NETWORK
 LT MAX-OUT OF NETWORK
 LIFE INSURANCE (BY ASSORTED CARRIERS)

PROPOSED OFFERING (06/01/21-05/31/22)

EMPLOYEE OPTION 3		EMPLOYEE OPTION 2		EMPLOYEE OPTION 1	
BLUE CROSS BLUE SHIELD OF ILLINOIS		BLUE CROSS BLUE SHIELD OF ILLINOIS		BLUE CROSS BLUE SHIELD OF ILLINOIS	
RICH PPO PLAN (NARROW NETWORK)		Hybrid PPO PLAN		RICH HMO PLAN	
Monthly Premium	Cost based on utilization	Monthly Premium	Cost based on utilization	Monthly Premium	Cost based on utilization
738.50	\$1,477.00	668.02	\$668.02	661.39	\$4,629.73
1,477.00	\$0.00	1,336.04	\$0.00	1,322.78	\$7,936.68
1,366.23	\$2,732.46	1,235.84	\$1,235.84	1,223.57	\$0.00
2,104.73	\$6,314.19	1,903.86	\$5,711.58	1,884.96	\$13,194.72
	<u>\$10,523.65</u>		<u>\$7,615.44</u>		<u>\$25,761.13</u>

11.50	\$103.50		\$57.50		\$230.00
0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
	\$10,627.15		\$7,672.94		\$25,991.13
	\$127,525.80		\$92,075.28		\$311,893.56
	\$0.00		\$0.00		\$0.00
6,000.00					
0.00					
	(\$17,121.25)		(\$9,823.99)		(\$30,378.55)
	<u>\$110,404.55</u>		<u>\$82,251.29</u>		<u>\$281,515.01</u>
8.39%	\$537,494.64				
	\$537,494.64				
	\$480,170.85				
7.75%					

PRINCIPAL	
2 YR CONTRACT	
(06/01/21-05/31/23)	
31.10	\$342.10
63.14	\$378.84
77.88	\$311.52
115.54	\$1,386.48
	\$2,418.94
	\$29,027.28
	6.50%

EYEMED	
4 YEAR RATE GUARANTEE	
(06/01/20-05/31/24)	
\$6.52	\$71.72
\$12.40	\$74.40
\$13.05	\$52.20
\$19.19	\$230.28
	\$428.60
	\$5,143.20
	0.00%

\$42,861.78

	\$514,341.33	
	8.14%	

Blue Cross Blue Shield of Illinois P5E1BCE Blue Choice Preferred	Blue Cross Blue Shield of Illinois G506OPT Blue Options	Blue Cross Blue Shield of Illinois P506PSN HMO Blue Precision
\$500	\$750 BC/\$1,750 PPO	\$0
\$1,500	\$2,250 BC/\$5,250 PPO	\$0
\$1,500	\$5,000 BC/\$7,000 PPO	\$1,500
\$4,500	\$15,000 BC/\$17,100 PPO	\$1,500 X 3 = \$4,500
\$1,000	\$3,500	N/A
\$3,000	\$10,500	N/A
Unlimited	None	N/A
Unlimited	None	N/A
\$20 / \$40	\$40/\$60 BC - \$60/\$100 PPO	\$10 pcp/\$45 specialist
\$200 then Ded/Coins	\$250 BC/\$500 PPO then Ded/Coins	\$150 Copay then 0%
\$150 then Ded/Coins	\$200 BC/\$400 PPO then Ded/Coins	\$100 Copay then 0%
\$300 then Ded/Coins	\$600 then Ded/Coins	N/A
\$250 then Ded/Coins	\$500 then Ded/Coins	N/A
\$400 then Ded/Coins	\$600 then Ded/Coins	\$300 Ded then 0%
90/10	80/20 BC 70/30 PPO - OON - 50/50	100/0
\$0/\$10/\$50/\$100/\$150/\$250	\$10/\$20//\$50/\$100/\$150/\$250	\$0/\$10/\$50/\$100/\$150/\$250
NONE	NONE	NONE
NONE	NONE	NONE
\$50,000	\$50,000	\$50,000

CURRENT YEAR
(06/01/20-05/31/21)

EMPLOYEE OPTION 4		EMPLOYEE OPTION 3		EMPLOYEE OPTION 2		EMPLOYEE OPTION 1	
BLUE CROSS BLUE SHIELD OF ILLINOIS RICH PPO PLAN (NARROW NETWORK)		BLUE CROSS BLUE SHIELD OF ILLINOIS Hybrid PPO PLAN		BLUE CROSS BLUE SHIELD OF ILLINOIS RICH HMO PLAN		BLUE CROSS BLUE SHIELD OF ILLINOIS RICH HMO PLAN - ADVOCATE ONLY	
Monthly Premium	Cost based on utilization	Monthly Premium	Cost based on utilization	Monthly Premium	Cost based on utilization	Monthly Premium	Cost based on utilization
679.62	\$1,359.24	624.36	\$624.36	606.68	\$4,246.76	576.34	\$0.00
1,359.24	\$0.00	1,248.72	\$0.00	1,213.36	\$7,280.16	1,152.68	\$0.00
1,257.30	\$2,514.60	1,155.07	\$1,155.07	1,122.36	\$0.00	1,066.23	\$0.00
1,936.92	\$5,810.76	1,779.43	\$5,338.29	1,729.04	\$12,103.28	1,642.57	\$0.00
	\$9,684.60		\$7,117.72		\$23,630.20		\$0.00

11.50	\$103.50		\$57.50		\$230.00		\$0.00
0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
	\$9,788.10		\$7,175.22		\$23,860.20		\$0.00
	\$117,457.20		\$86,102.64		\$286,322.40		\$0.00
	\$0.00		\$0.00		\$0.00		\$0.00
6,000.00							
0.00							
	\$0.00		(\$18,647.20)		(\$25,607.40)		\$0.00
	<u>\$117,457.20</u>		\$67,455.44		\$260,715.00		\$0.00
37.23%	\$495,882.24						
	\$466,246.00						
	\$443,224.48						
37.34%							

PRINCIPAL	
1 YR CONTRACT	
(06/01/20-05/31/21)	
29.20	\$321.20
59.29	\$355.74
73.13	\$292.52
108.49	\$1,301.88
	\$2,271.34
	\$27,256.08
	0.00%

	EYEMED
	4 YEAR RATE GUARANTEE
	(06/01/20-05/31/24)
\$6.52	\$71.72
\$12.40	\$74.40
\$13.05	\$52.20
\$19.19	\$230.28
	\$428.60
	\$5,143.20
	4.90%

	\$39,635.31
--	-------------

	\$475,623.76
--	--------------

Blue Cross Blue Shield of Illinois P5E1BCE Blue Choice Preferred	Blue Cross Blue Shield of Illinois G506OPT Blue Options	Blue Cross Blue Shield of Illinois P506PSN HMO Blue Precision	Blue Cross Blue Shield of Illinois P506BCH HMO ADVOCATE ONLY
\$500	\$750 BC/\$1,750 PPO	\$0	\$0
\$1,500	\$2,250 BC/\$5,250 PPO	\$0	\$0
\$1,500	\$4,450 BC/\$6,250 PPO	\$1,500	\$1,500
\$4,500	\$13,350 BC/\$16,300 PPO	\$1,500 X 3 = \$4,500	\$1,500 X 3 = \$4,500
\$1,000	\$3,500	N/A	N/A
\$3,000	\$10,500	N/A	N/A
Unlimited	None	N/A	N/A
Unlimited	None	N/A	N/A
\$20 / \$40	\$30/\$60 BC - \$60/\$100 PPO	\$10 pcp/\$45 specialist	\$10 pcp/\$45 specialist
\$200 then Ded/Coins	\$250 BC/\$500 PPO then Ded/Coins	\$150 Copay then 0%	\$150 Copay then 0%
\$150 then Ded/Coins	\$200 BC/\$400 PPO then Ded/Coins	\$100 Copay then 0%	\$100 Copay then 0%
\$300 then Ded/Coins	\$600 then Ded/Coins	N/A	N/A
\$250 then Ded/Coins	\$500 then Ded/Coins	N/A	N/A
\$400 then Ded/Coins	\$500 then Ded/Coins	\$300 Ded then 0%	\$300 Ded then 0%
90/10	80/20 BC 70/30 PPO - OON - 50/50	100/0	100/0
\$0/\$10/\$50/\$100/\$150/\$250	\$0/\$10/\$35/\$75/\$150/\$250	\$0/\$10/\$50/\$100/\$150/\$250	\$0/\$10/\$50/\$100/\$150/\$250
NONE	NONE	NONE	NONE
NONE	NONE	NONE	NONE
\$50,000	\$50,000	\$50,000	\$50,000

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: W. Clay Campbell
Administrative Supervisor

DATE: April 15, 2021

RE: Investment in Certificate of Deposit – First Midwest Bank

In accordance with the District Investment Policy, we renewed the attached thirteen-month Certificate of Deposit (CD) with First Midwest Bank on March 15, 2021. The CD is in the amount of \$250,000 at an interest rate of 0.15%. This investment represents a reinvestment of those funds that matured. Total funds held at this financial institution are FDIC insured up to \$250,000.

This CD was purchased to allow staff to continue laddering District investments at the rates that are currently available. Staff would request for the Board to take action ratifying this investment at its next regular meeting of April 20, 2021 **using the following motion:** "I move that we ratify the actions of staff on behalf of the District to renew a certificate of deposit in the amount of \$250,000 with First Midwest Bank on March 15 at an interest rate of 0.15% and a term of thirteen months."

Attachment

cc: KJR, RTJ, MJS, ARU, MGP



Account: Confirmation



Certificate of Deposit Receipt: Automatic Renewal - Non-Negotiable

Account [REDACTED] **Deposit ID Number 2** **Principal** \$250,000.00

Maturity Date 04/07/2022 **Annual Percentage Yield** 0.15 **Branch Issue Date** 03/15/2021

587 Officer 535 Compounding Annual **Interest Rate** 0.150

SSN/TIN [REDACTED]

Interest Method **Interest Frequency** Monthly **Term** 388 Day(s)
Transfer to Account

For the Account of Title/Address:

Downers Grove Sanitary District
 2710 Curtiss St. 630-969-6753
 Downers Grove, IL 60515-4001 630-969-0664

Terms and Conditions

Your Certificate of Deposit is Subject to the Following:

This receipt evidences funds deposited in this bank in the amount and for the term indicated. These funds will be payable on the maturity date to the person(s) named above (the "depositor") at the office of First Midwest Bank. Interest will be computed in accordance with the method indicated elsewhere on this receipt. If the depositor requests that this time deposit be paid prior to maturity date other than by reason of death, incompetency or as permitted by law, a substantial interest penalty will be incurred in accordance with Federal Law, as described on this receipt.

Disclosure of Penalties for Withdrawals Prior to Maturity

We may impose a penalty if you withdraw any of the deposited funds before the maturity date. The fee imposed will be determined as follows:

- For an account with a term of 31 days or less, the penalty will be all of the interest earned on the principal amount withdrawn, from the most recent date of deposit or last renewal.
- For an account with an original term of more than 31 days and up to and including one year, the penalty will be 3 months interest on the principal amount withdrawn. (Based on a 30 day month)
- For an account with an original term of more than one year, the penalty will be six months interest on the principal amount withdrawn. (Based on a 30 day month)

If the withdrawal closes your account, you will be paid interest which has accrued but has not yet been credited; however the penalty paid may exceed the interest which has accrued.

Automatically Renewable

Your account is automatically renewable. The principal and all paid earned interest that has not been withdrawn will automatically renew at each maturity date for the same term and at the same interest rate as the original term unless otherwise disclosed or one of the following actions occur:

- A formal request is made to the bank for payment at the original maturity or any subsequent maturity date of within 10 days thereafter; or
- The bank receives written notice from the depositor on or before the scheduled maturity date advising the bank that the certificate should not be renewed; or
- The bank mails a notice to you, the depositor, at least 10 days prior to the scheduled maturity date advising the depositor that the bank will not renew the certificate.

Fixed Rate Account

Transaction Limitations:

- You may not make additional deposits to this account until maturity.
- Withdrawals are not permitted; however in certain circumstances the bank may consider requests for early withdrawal. If granted, the above applicable early withdrawal penalty will apply.

Rate Information:

- The interest rate and Annual Percentage Yield for this account are fixed. You will be paid the interest rate that is stated on this receipt until the maturity date of the certificate. If your account is automatically renewable your certificate will automatically renew at each maturity date for the same term and at the interest rate being offered as of the date of such renewal for that type of certificate, unless otherwise disclosed.
- Interest begins to accrue on the business day you deposit cash and / or non-cash items.
- We use the daily balance method to compute your interest. Under this method, interest is calculated by applying a periodic rate to the full principal balance in your account each day.
- The annual percentage yield assumes that funds will remain on deposit until maturity. Any withdrawal prior to maturity will reduce earnings.

- You must maintain a minimum daily balance for the balance tier your initial deposit falls into to earn the Annual Percentage Yield listed on the face of this receipt.

Additional Terms

- No assignment of this deposit shall be binding upon the bank until the assignment is presented to and accepted by an authorized representative of the bank.
- This is a non-negotiable and non-transferable receipt evidencing a deposit with the bank only during the time period shown. In the case of renewal of this deposit, an advice of renewal will be issued.
- In addition to these terms, conditions and provisions, this receipt is subject to the rules and regulations set forth in the Business Account Agreement and Time Deposit agreement of the bank in effect from time to time and applicable federal and state laws, rules and regulations.

The signer(s) hereby acknowledge(s) receipt of and agree(s) to the terms and conditions governing this account and the rules and regulations of the bank. I (We), under penalty of perjury, certify that (1) the taxpayer identification number(s) shown is correct and (2) I (We) am not subject to backup withholding. (If the Internal Revenue Service has notified any of the signers that they are subject to backup withholding, delete line (2) above.)

W642414

Member FDIC



DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Alyssa Caballero, Information Coordinator

DATE: April 15, 2021

RE: DGSD Annual Newsletter

Copies of the following items are attached for the Board's review at the April 20 meeting:

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

The newsletter this year has updated information and is in a full-color format like the last few years. We have included the EasyPay Enrollment Form again this year to promote customer participation as the program reduces customer call volume and office foot traffic regarding typical billing inquiries. We continue to experience an appreciable increase in enrollments when the EasyPay Enrollment Form is included with the Newsletter.

We have an estimated cost of \$6,788.00 for this year's newsletter (for printing the newsletter and inserts, envelopes and stuffing of the newsletter and inserts). This is a slight decrease of 1.84% under last year's cost of \$6,915.00. We budgeted \$7,500 for this expense. Similar to previous years, Royal Graphics will only print the newsletter and inserts and InfoSend (the District's third-party bill printing and mailing service) will stuff and mail the newsletters and inserts for us in envelopes they provide.

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

Attachments

cc: BOLI, ARU, WCC, MGP

***"Providing a Better
Environment for South
Central DuPage County"***

2710 Curtiss Street
P.O. Box 1412
Downers Grove, IL 60515
Phone: 630-969-0664
www.dgsd.org

**Office Hours -
Walk-In**

Monday-Thursday: 10 a.m.
to 12 p.m. and 1 to 3 p.m.

Call-In

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

Emergency Response

Available 24/7

Board of Trustees

Wallace D. Van Buren
President
Amy E. Sejnost
Vice President
Paul W. Coultrap
Clerk

Staff

Amy R. Underwood, P.E.
General Manager

Follow us on social media



DISTRICT CONTINUES GOAL TO OPERATE AS A NET-ZERO FACILITY

The District continues its commitment to operate a net-zero facility at the District's Wastewater Treatment Center by recovering valuable energy resources and producing as much energy as is used. The District replaced one of its two bio-gas fired engine generators with a larger unit. The engine generator, which makes electricity from digester gas produced on site, was placed into operation in February 2021. The District has been approved for funding through an incentive program to assist with this purchase.

For more information on the District's net-zero energy facility including a monthly tally of energy production and use, visit www.dgsd.org/net-zero. The current month's energy tally is also posted on the District's net-zero energy board, which is visible to commuters on the BNSF Metra line. This energy board was funded by a grant from the Illinois Clean Energy Community Foundation.

NEW CUSTOMER BILLING PORTAL LAUNCHING THIS YEAR

The District will be launching a new and improved customer billing portal later this year. The new billing portal will provide District customers with a fresh and easy way to pay their sewer bill on any mobile device or computer.

The new billing portal will allow customers to:

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



Stay tuned on the District's website for more details and the portal launch date. Customers can also pay their bill through the District's EasyPay Program, a FREE automatic debit from your checking account. Enrollment may be done online at www.dgsd.org/pay-your-bill/easypay-form or by returning the enclosed yellow enrollment form to the District. Bills can be paid by mail, in person or via dropboxes located throughout the District. Learn more about payment options at www.dgsd.org/youraccount.

SEWER PROBLEMS? OUR ASSISTANCE PROGRAMS CAN HELP!

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

Reporting of all sanitary sewer backups is essential to provide the information necessary to monitor sewer system conditions, identify problem areas and eligibility for assistance programs. District personnel will investigate backups to determine the cause and appropriate corrective action. Residents should note that charges by plumbers or sewer contractors for work performed prior to contacting the District are generally not eligible under our assistance programs. Our assistance programs available to residents include:

Building Sanitary Service Repair Assistance Program

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

Reimbursement Program for Installation of Overhead Sewer or Backflow Prevention Devices

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

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

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



Example of a cleanout being installed (top) and a finished installation (bottom).

CARING FOR OUR INFRASTRUCTURE

The District’s most valuable asset is the sewer collection system, including more than 250 miles of gravity sewers. Beyond these sewers, there are nearly 300 miles of privately owned building service pipes connecting buildings to the public mains owned by the District.

The system dates back as far as 1904 and requires a substantial commitment of resources to maintain in satisfactory working condition, meeting residents’ expectations for service and regulatory requirements. The most significant challenge is the appearance of ground and storm water, known as infiltration and inflow (I/I), in sewers intended to carry only sanitary waste from plumbing fixtures. This extraneous water can cause backups and overflows by exceeding the capacity to carry sanitary waste, and is costly to transport and treat. Continued on top of page 3.

CARING FOR OUR INFRASTRUCTURE CONTINUED

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

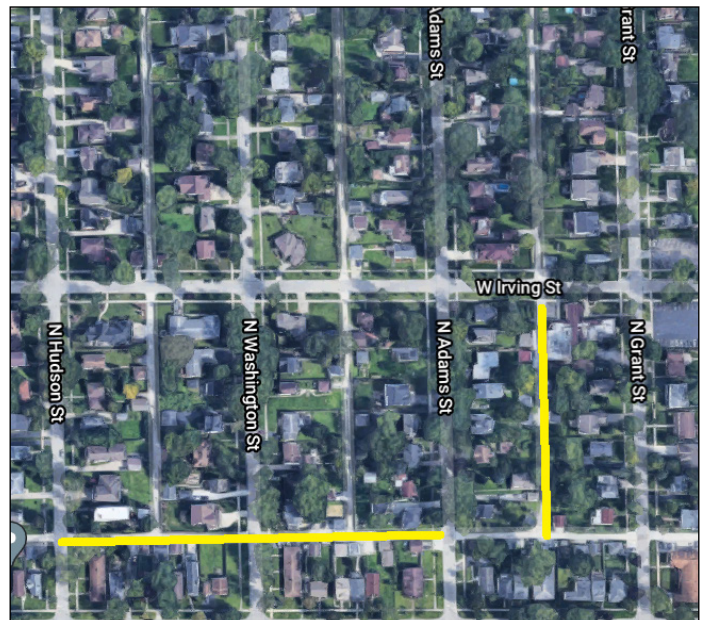
2021 CONSTRUCTION PROJECTS

Westmont Alley Sewer Replacement

The District has one sewer project planned in Westmont for this year's construction season. The proposed construction project consists of open cut replacement of 344 feet of 8 inch sanitary sewer pipe running north and south in the alley between Grant Street and Adams Street in Westmont. The project also includes the replacement of 382 feet of 10 inch sanitary sewer pipe running east and west crossing Washington Street between Adams Street and Hudson Street. This work will take place in the alleys north of Burlington Avenue and south of Irving Street. See map to the right.

Centex Lift Station Replacement

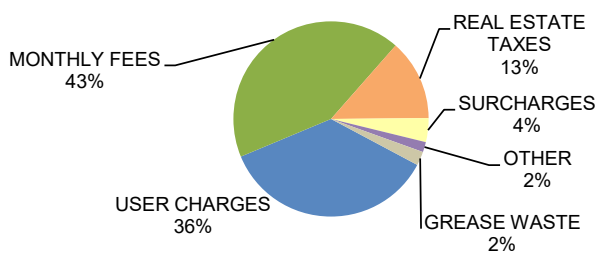
This year the District plans to replace the Centex Lift Station, which is located on Fairmount Ave. off of 63rd Street in Downers Grove. The lift station was originally installed in 1966 and has reached the end of its service life.



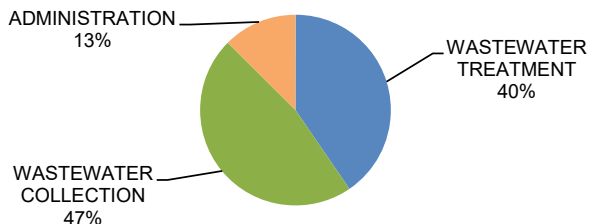
BUDGET AND FIVE-YEAR PLAN

The District has implemented a five-year plan, which projects revenues and expenses for all District activities, available for review on our website. For the current fiscal year, general corporate revenues are projected to be \$9.658 million and expenses are projected to be \$11.301 million. The expenses include \$5,316,220 for the sewer system, \$4,569,870 for wastewater treatment and \$1,415,810 for administration. The amount of expenses greater than revenues will result in a decrease in the District's operating fund balance. The charts below show the major types of revenues and expenses necessary for operations.

Fiscal Year 2021-22 REVENUES



Fiscal Year 2021-22 EXPENSES



CHANGE IN SEWER BILL RATES 2021

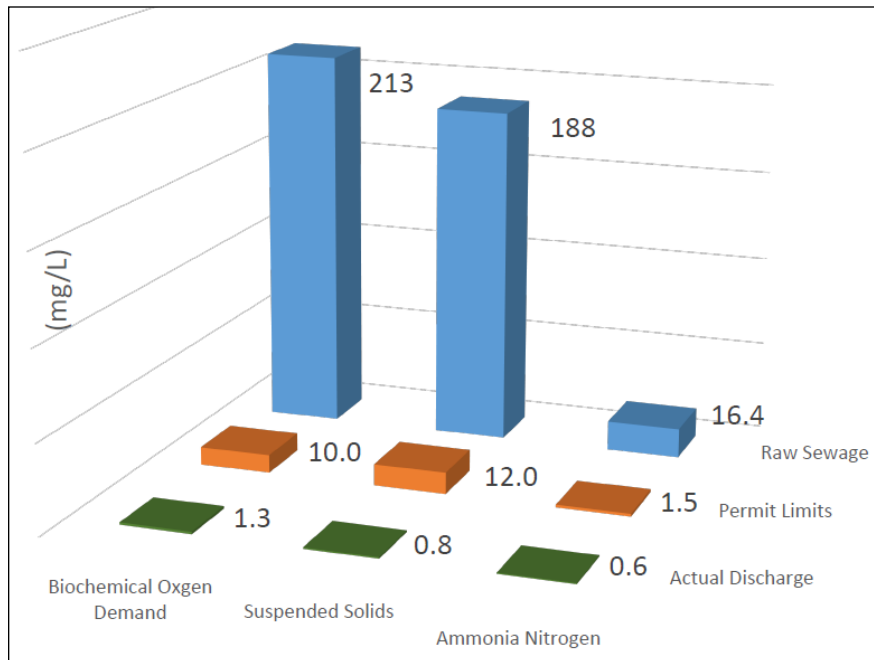
The District's user charge consists of two components: a volume charge based on water consumption and a monthly service fee. The volume charge increased to \$1.95 from \$1.80 per 1,000 gallons of water consumption and the monthly fee remains the same at \$17.00 per account. Sampling and monitoring charges assessed to commercial and industrial users increased effective April 4, 2021. The user charge is evaluated annually and is set to collect the revenues needed to cover the cost of sewer system and treatment plant operation, maintenance and replacement, and District administration.

REAL ESTATE TAXES

This year the District levied \$1,321,300 for repairs to the sanitary sewer infrastructure, a 3.63% increase from last year. This levy results in a tax rate of \$0.04 per \$100 of assessed value. A single-family residence with a market value of \$300,000 will pay \$40.00 in real estate taxes to the District in 2021.

WASTEWATER TREATMENT

The District's Wastewater Treatment Center (WWTC) operates under a National Pollutant Discharge Elimination System (NPDES) permit issued by the Illinois Environmental Protection Agency (IEPA). The District's WWTC discharges treated water to the East Branch of the DuPage River that is significantly better than the permit limits. The chart below indicates the successful treatment provided by the District during 2020 for three major NPDES permit parameters.



Watershed Group

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

TIPS TO REDUCE INTERNAL PLUMBING PROBLEMS

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

Used Cooking Oil Program -

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



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

We hope you will attend the Wastewater Treatment Center Open House on Saturday, Sept. 18, 2021, from 9 a.m. to noon. This Open House will be held only if we are able to safely do so by adhering to current regional guidelines for preventing the spread of COVID-19. If you have any questions regarding any of the information in this newsletter or would like to learn more about the District, please call the District office at 630-969-0664 or visit our website at www.dgsd.org.

BOARD OF TRUSTEES
DOWNERS GROVE SANITARY DISTRICT



CELEBRATE OUR **31ST**

OPEN HOUSE

SATURDAY, SEPT. 18, 2021 | 9 A.M. TO NOON

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

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

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

For more information, call **630-969-0664** or visit **www.dgsd.org**.

Are You Interested in a Program that
Provides these Benefits?

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

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

Downers Grove Sanitary District

*Providing a Better Environment
for South Central DuPage County*

For more information, visit our office:

2710 Curtiss Street
Downers Grove, IL 60515

Call us at 630-969-0664 or
visit our website at www.dgsd.org

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

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

Rev. 04/18

BIOSOLIDS DISTRIBUTION

Homeowners Information Brochure

Downers Grove Sanitary District



HOW ARE THESE BENEFITS ACHIEVED?

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

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

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

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

HOW DO I GET SOME?

You can come and pick it up, or we'll deliver it to you.

Either way, it's **FREE**.

Our pick-up station is located on Curtiss Street, near Katrine Avenue (about ½ mile west of Belmont Road). The Village of Downers Grove also has woodchips available for pickup only (no deliveries). Take as much as you can use!



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



Call us at 630-969-0664 to arrange for a delivery today. Our office hours are 8 a.m. to 4:30 p.m. weekdays.

FREQUENTLY ASKED QUESTIONS:

How much is 3 cubic yards?

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

How far do you deliver?

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

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

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

Can I use Biosolids on my vegetable garden?

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

Will my lawn be safe for children and pets?

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

EasyPay Authorization & Information

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

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

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

IF POSSIBLE, PLEASE ATTACH A VOIDED CHECK FOR ACCURACY

Name(s) on Sewer Bill

Sanitary District Account Number

Bank Name

Name(s) on Checking Account

Bank Routing Number

Checking Account Number

Daytime Telephone Number

Email Address

Signature

Date

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

Return completed form to: Downers Grove Sanitary District
2710 Curtiss Street, P.O. Box 1412, Downers Grove, IL 60515

Or online registration available at **www.dgsd.org/pay-your-bill/easypay-form**.

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Amy R. Underwood
General Manager

DATE: April 16, 2021

RE: Proposed Ordinance No. ORD 21-02

Attached please find a copy of proposed Ordinance No. ORD 21-02 which contains recommended ordinance amendments as described below.

A. Tap-in Fee and Trunk Sewer Service Charge (Article II Sections 13c and d)

The calculation of the tap-in fee and trunk service charge for a one bedroom apartment unit does not provide the same numeric value as is included in Ordinance No. ORD 21-01 for these two items. Since these are the only sections in the Ordinance which provide calculated values, staff proposes to remove the numeric per unit tap-in fees and trunk sewer service charges from the ordinance to avoid future discrepancies due to typographical error.

I will request Board approval of Ordinance No. ORD 21-02 at the April 20 regular meeting. If approved, this ordinance would be published in the Downers Grove Suburban Life on April 29, 2021 and would be effective on May 9, 2021.

cc: BOLI, KWS, WCC, MGP

AN ORDINANCE AMENDING AN ORDINANCE REGULATING THE
USE OF SANITARY SEWERS
ORDINANCE NO. ORD 21-02

BE IT ORDAINED by the President of the Board of Trustees of the Downers Grove Sanitary District, a body politic and corporate of DuPage County, Illinois, that the following portions of "An Ordinance Regulating the Use of Sanitary Sewers, adopted May 16, 1967, as Amended" are hereby amended to read as follows:

Article II Section 13

- (c) A Tap-In Fee shall be charged for all connections to the District for the necessary construction, expansion, and extension of wastewater treatment plant facilities. The tap-in fee shall be calculated upon a rate of \$948.00 per population equivalent (P.E.), and shall be assessed as follows:

(1) Single Family Class - 3.5 P.E. per unit ~~or \$3,318.00 per unit.~~

(2) Multiple Family Class -

Efficiency or studio apartment unit - 1.0 P.E. ~~or \$948.00 per unit.~~

One bedroom apartment unit - 1.5 P.E. ~~or \$1,442.00 per unit.~~

Two or three bedroom apartment unit - 3.0 P.E. ~~or \$2,884.00 per unit.~~

- (d) A Trunk Sewer Service Charge shall be charged for the necessary construction, expansion, and extension of trunk sewer facilities. The trunk sewer service charge shall be calculated upon a rate of \$440.00 per population equivalent (P.E.) and shall be assessed as follows:

(1) Single Family Class - 3.5 P.E. per unit ~~or \$1,540.00 per unit.~~

(2) Multiple Family Class -

Efficiency or studio apartment unit - 1.0 P.E. ~~or \$440.00 per unit.~~

One bedroom apartment unit - 1.5 P.E. ~~or \$645.00 per unit.~~

Two or three bedroom apartment unit - 3.0 P.E. ~~or \$1,320.00 per unit.~~

PASSED AND APPROVED by the President and Board of Trustees of the Downers Grove Sanitary District at a regular meeting of the Trustees held on the 20th day of April, 2021, to become effective ten (10) days after publication thereof.

DOWNERS GROVE SANITARY DISTRICT

BY: _____
President

ATTEST: _____
Clerk

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

PROPOSED AGENDA

April 20, 2021

6:00 p.m.

- I. Approve Minutes of December 15, 2020
- II. Public Comment
- III. P701: 6149 Janes Avenue – Single Family Home Sewer Main Extension
- IV. P702: 221 W. 59th Street – Single Family Home Sewer Main Extension

PLEASE NOTE:

President Kenneth J. Rathje of the Downers Grove Sanitary District Board of Local Improvements has determined, in compliance with Senate Bill 2135 signed into law by Governor Pritzker on June 12, 2020, the following:

- 1) The Governor has issued a disaster declaration related to public health concerns and all or part of the District's jurisdiction is covered by the disaster area; and
- 2) That an in-person meeting for this special meeting of the District's Board of Local Improvements scheduled to take place on Tuesday, April 20, at 6:00 p.m. is not practical or prudent because of a disaster.

The District shall comply with all other Open Meetings Act provisions referenced in Senate Bill 2135 in the holding of its special Board of Local Improvements meeting on April 20, at 6:00 p.m.

Therefore, in accordance with Senate Bill 2135, this Board meeting will be conducted electronically through Zoom. Public may virtually attend this meeting using any of the links or phone numbers provided below.

You are invited to a Zoom webinar.

When: Apr 20, 2021 06:00 PM Central Time (US and Canada)

Topic: April BOLI Meeting

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/82917465855?pwd=UDMvU3FvODJwbzcvMmpjQWFiTzltZDZ09>

Passcode: 128491

Or One tap mobile :

US: +13126266799,,82917465855#,,,,*128491# or +16465588656,,82917465855#,,,,*128491#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 312 626 6799 or +1 646 558 8656 or +1 301 715 8592 or +1 253 215 8782 or +1 346 248 7799 or +1 669 900 9128

Webinar ID: 829 1746 5855

Passcode: 128491

International numbers available: <https://us02web.zoom.us/j/kngYSvZne>



BOARD OF LOCAL IMPROVEMENTS MINUTES

December 15, 2020

A meeting of the Board of Local Improvements of the Downers Grove Sanitary District was held on Tuesday, December 15, 2020. The meeting was held virtually online through Zoom, a video conferencing app. Present were Board Members Kenneth J. Rathje, Robert T. Jungwirth and Mark J. Scacco, General Manager Amy R. Underwood, Administrative Supervisor W. Clay Campbell, Sewer Construction Supervisor Keith W. Shaffner and Attorney Michael G. Philipp. Trustee Amy E. Sejnost and Staff Engineer Alex Bielawa attended virtually as members of the public. President Rathje called the meeting to order at 6:00 p.m.

Determination to Hold Meeting Virtually

In accordance with Illinois Senate Bill 2135, signed into law by Governor Pritzker on June 12, 2020, Board Member Rathje, as President of the District's Board of Local Improvements has determined the following: (1) that due to the Governor issuing a disaster declaration related to public health concerns and all or part of the District's jurisdiction is covered by the disaster area; and (2) that an in-person meeting is not practical or prudent because of the disaster. As a result, this special Downers Grove Sanitary District Board of Local Improvements meeting shall be held virtually and in doing so shall comply with all other Open Meetings Act provisions referenced in Illinois Senate Bill 2135.

Minutes of July 21, 2020 Meeting

A motion was made by Jungwirth seconded by Scacco approving the minutes of the meeting held on July 20, 2020. The motion carried.

Public Comment – None

P700 – 5117 Fairview Ave., Downers Grove

The Board reviewed a request for sanitary sewer service from Craig Ross of Ross Builders Inc., developer, for a three story, 18 unit residential building on a 0.88 gross acre parcel at 5117 Fairview Ave., Downers Grove. The property is within the District's Facilities Planning Area, and is within the District's current corporate limits. The existing commercial building on this property will be disconnected from the Sanitary District main and demolished. The proposed use will generate an estimated wastewater flow of 5,400 gallons per day or a density of 61 PE per acre. The District's design allocation for this site is 25 PE per acre. The flow estimate is based on 18 two bedroom residential units. The flow factor is 300 gallons per day for each two bedroom unit. Service can be provided to this project by connect to the Sanitary District sewer located in 2nd Street to the South of the project. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommended approval of this request. A motion was made by Scacco seconded by Jungwirth approving this request subject to receipt of Illinois EPA permit, to a maximum flow of 5,400 gallons per day, receipt of an Illinois EPA permit, construction of necessary sewer extension, payment of all fees per ordinance, compliance with all District ordinances, and standard conditions. The motion carried. (Votes recorded: Ayes–Rathje, Jungwirth and Scacco.)

Upon a motion by Jungwirth seconded by Scacco, the meeting was adjourned at 6:17 p.m. The motion carried.

Approved: April 20, 2021

Attest: _____
Clerk

President

BOARD OF LOCAL IMPROVEMENTS
April 15, 2021
STAFF BRIEFING

P701: 6149 Janes Avenue, Downers Grove

REQUEST:

Steven Bekstas, Developer, is requesting sanitary sewer service for a new single family home on a 0.36 gross acre parcel at the above location. The property is within the District's Facilities Planning Area (FPA), but it is not within the District's current corporate limits. The proposed project is estimated to generate wastewater flows of 350 gallons per day, which is the standard flow estimate for a single family home. This would result in a density of 9.7 PE per acre, which is within the District's design allocation of 10 PE per acre for residential parcels.

SUMMARY:

Service can be provided to this property by extension of the District sewers located on Janes Avenue. The proposed sewer design complies with the Sanitary District's Unsewered Area Plan. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommends approval of this request subject to annexation, receipt of an Illinois EPA permit, construction of the necessary sewer extension, payment of all fees per ordinance, compliance with all District ordinances and standard conditions.

P701

DATE 3/9/21

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

SANITARY SEWER SERVICE REQUEST

Location 6149 JANES AV, DOWNERS GROVE, IL

Legal Description Lot 11 Block 410 Subdivision DOWNERS GROVE PARK
P.I.N. 0813410010

Name of Owner on Deed Investa Inc Phone No. 773 875 2631

Developer Investa Inc Phone No. 773 875 2631

Name of Person Making Request Steven Belafas Phone No. 773 875 2631

E mail: stevensbel@q.comil.com

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

10831 Mayors ave Chicago Ridge, IL 60415

This Applicant's Interest in This Property 6149 Janes ave Downers Grove, IL 60515
(Owner/Developer/Beneficiary Land Trust, etc.)

Number of Acres Involved 0.17 Present Zoning R-4 Proposed Zoning N/A

Is the Property (A) Improved Yes (B) Vacant Vacant

(A) If Improved, Describe Improvements New single Family residents

Number & Type of Units 1 single Family home

(B) If Vacant or Additional Improvements or Remodeling Are Proposed, Describe New Single Family House

Number & Type of Units NOT Apply

Estimated Starting Date of Project July 2021

If You Propose to Annex to a Community, Which One not apply

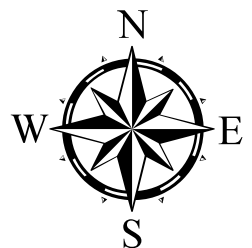
NOTE: If this request is for

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

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

Legend

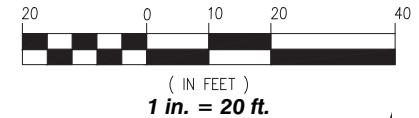
- 0 45 90 180 Feet



PLAT OF SURVEY

LOT 11 IN BLOCK 14 IN DOWNERS GROVE PARK, BEING A SUBDIVISION OF PART OF THE SOUTH HALF OF SECTION 13, TOWNSHIP 38 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MARCH 23, 1927 IN BOOK 17 OF PLATS, PAGES 23 AND 33, AS DOCUMENT 232126, IN DUPAGE COUNTY, ILLINOIS.

GRAPHIC SCALE



P.I.N.: 08-13-410-010
AREA OF PARCEL: 7,365 S.F.
COMMON ADDRESS:
6149 JANES AVE.
DOWNERS GROVE, IL 60516



THIS DOCUMENT IS NOT VALID WITHOUT THE SURVEYOR'S SEAL.

STATE OF ILLINOIS } S.S.
COUNTY OF DUPAGE }

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. COMPARE THE DESCRIPTION ON THIS PLAT WITH YOUR DEED, AND AT ONCE REPORT ANY DIFFERENCE. BUILDING LINES AND EASEMENTS AS SHOWN ARE BASED SOLELY ON THE DOCUMENTS PROVIDED TO US. REFER TO YOUR DEED OR TITLE POLICY. ALL DIMENSIONS ARE GIVEN IN FEET AND DECIMAL PARTS THEREOF. BEARINGS AS SHOWN ARE ASSUMED AND ARE SO INDICATED FOR INTERIOR ANGLES ONLY.

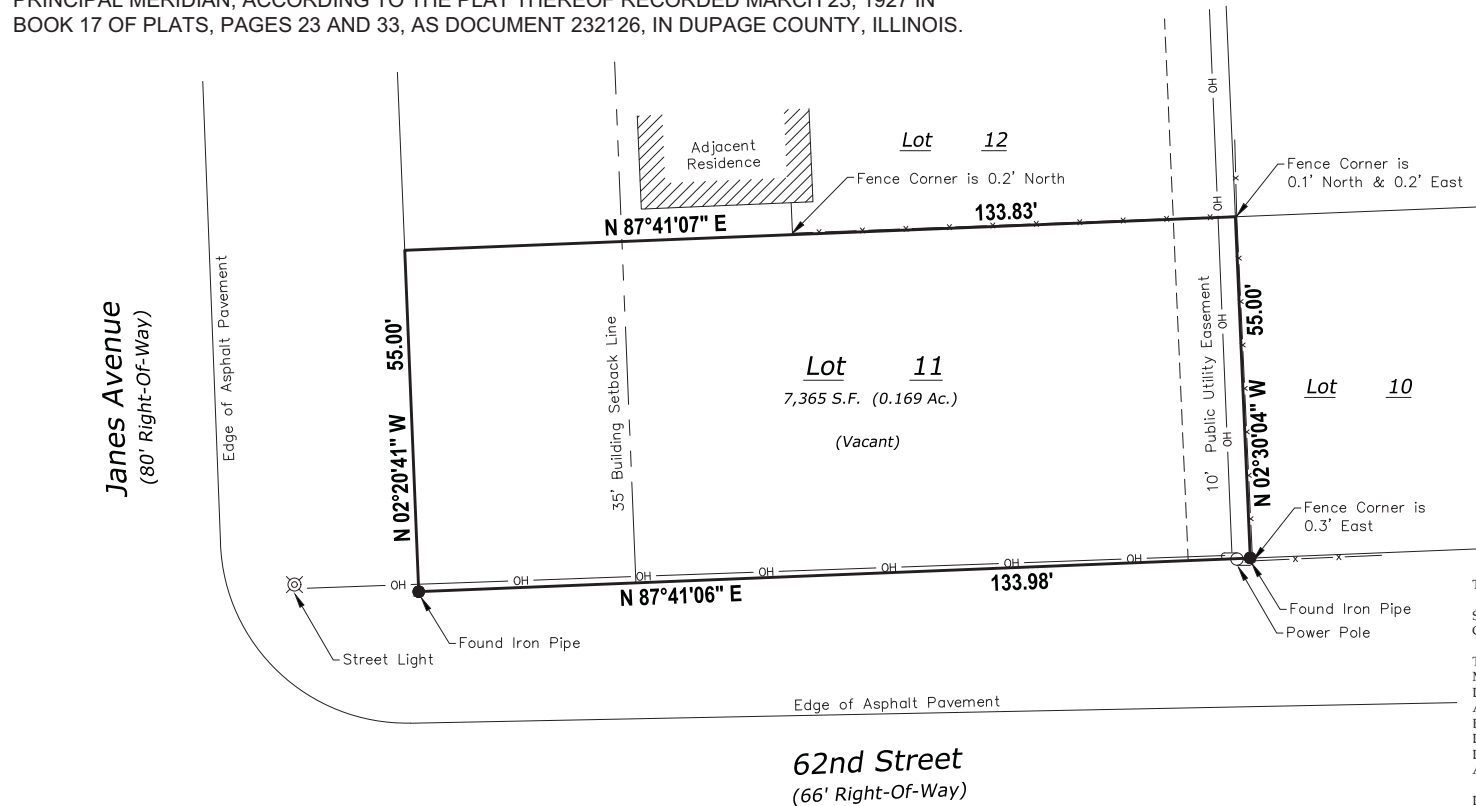
DATED THIS 25th DAY OF FEBRUARY, A.D. 2021

KWJF

KEITH WETENDORF
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3703
CM LAVOIE & ASSOCIATES, INC.
LICENSE TO BE RENEWED NOVEMBER 30, 2022

C.M. Lavoie & Associates, Inc.
Consulting Civil Engineering
& Land Surveying
825 N. Cass Avenue, Suite 106
Westmont, Illinois 60559
phone: 630-381-0819

JOB NUMBER: 21-132	DATE: 02-25-2021
DRAWN BY: KaW	CHECKED BY: SB
#	DATE
	DESCRIPTION



NOTE: 8" SNOW COVER AT TIME OF FIELD WORK (2/19/21).

© Copyright, 2021 C. M. Lavoie & Associates, Inc.

PREPARED FOR: AZCO BUILDERS



BOARD OF LOCAL IMPROVEMENTS

April 15, 2021

STAFF BRIEFING

P702: 221 W. 59th Street, Downers Grove

REQUEST:

Doug Overstreet of Overstreet Builders, Developer, is requesting sanitary sewer service for a new single family home on a 0.76 gross acre parcel at the above location. The property is within the District's Facilities Planning Area (FPA), but it is not within the District's current corporate limits. The proposed project is estimated to generate wastewater flows of 350 gallons per day, which is the standard flow estimate for a single family home. This would result in a density of 4.6 PE per acre, which is within the District's design allocation of 10 PE per acre for residential parcels.

SUMMARY:

Service can be provided to this property by extension of the District sewers located on 59th Street. The proposed sewer design complies with the Sanitary District's Unsewered Area Plan. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommends approval of this request subject to annexation, receipt of an Illinois EPA permit, construction of the necessary sewer extension, payment of all fees per ordinance, compliance with all District ordinances and standard conditions.

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

SANITARY SEWER SERVICE REQUEST

Location _____

Legal Description Lot _____ Block _____ Subdivision _____

_____ P.I.N. _____

Name of Owner on Deed _____ Phone No. _____

Developer _____ Phone No. _____

Name of Person Making Request _____ Phone No. _____

E mail: _____

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

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

Number of Acres Involved _____ Present Zoning _____ Proposed Zoning _____

Is the Property (A) Improved _____ (B) Vacant _____

(A) If Improved, Describe Improvements _____

Number & Type of Units _____

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

_____ Number & Type of Units _____

Estimated Starting Date of Project _____

If You Propose to Annex to a Community, Which One _____

NOTE: If this request is for

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

SERVICE REQUEST APPROVALS ARE VALID FOR SIX MONTHS

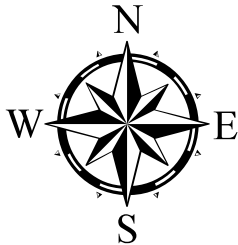
Downers Grove Sanitary District
Board of Local Improvements
221 W. 59th Street
P702



Legend

- Sanitary Manholes
- ➔ Sanitary Sewer
- DGSD Boundary

0 45 90 180
Feet



BOUNDARY AND TOPOGRAPHIC SURVEY

PROFESSIONAL LAND SURVEYING, INC.

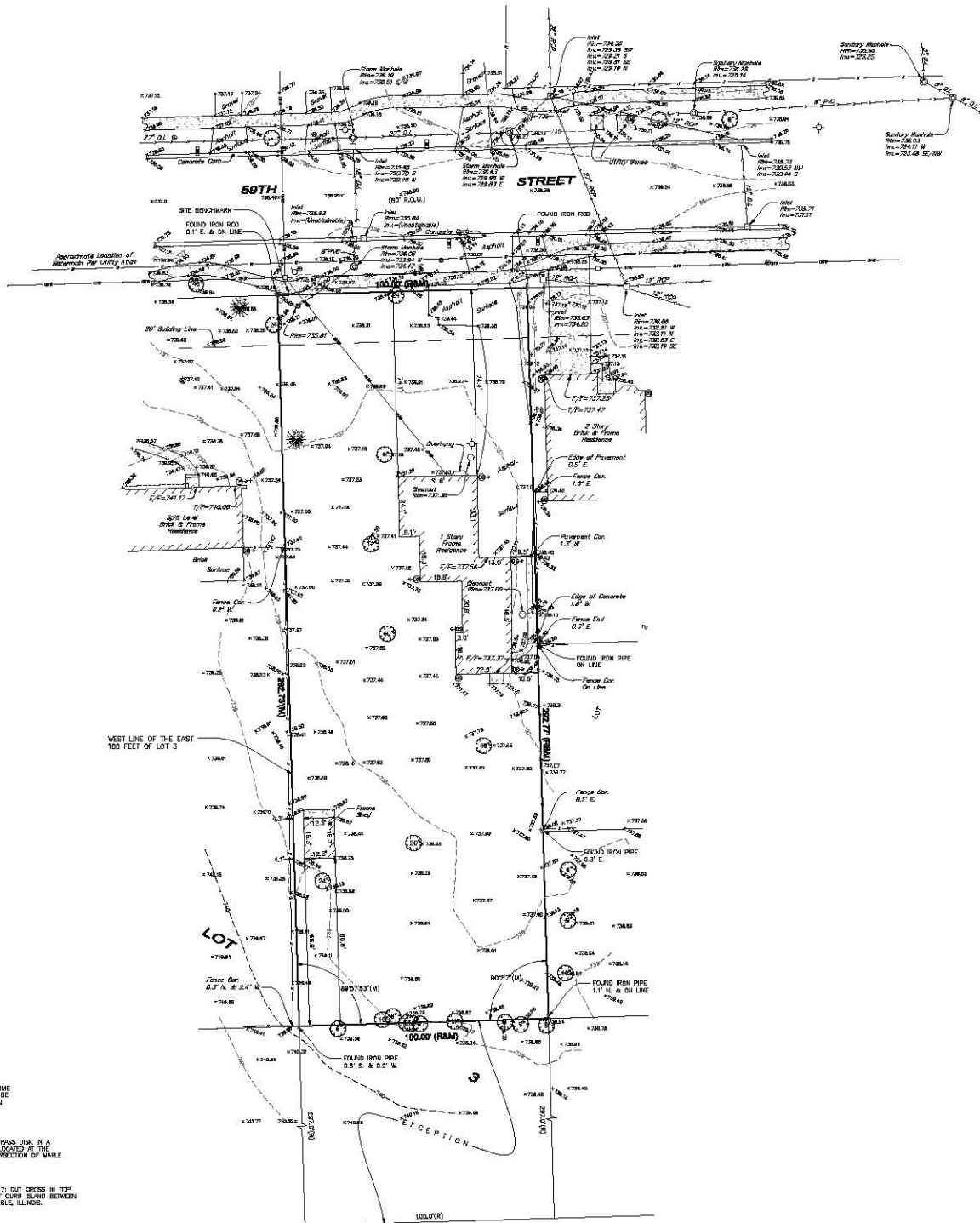
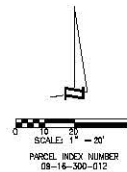
3080 OGDEN AVENUE SUITE 307

LISLE, ILLINOIS 60532

PHONE: 630-778-1757

FAX: 630-778-1757

E-MAIL: info@plsi.com



NOTE:
DUE TO HEAVY SNOW COVER AT TIME
OF SURVEY SOME FEATURES MAY BE
APPROXIMATE AND/OR NOT SHOWN.

BOUNDARY

SURVEY COUNTY BK 13123 - BRASS DISK IN A
CONCRETE TYPING WHEEL BASE LOCATED AT THE
NORTHWEST CORNER OF THE INTERSECTION OF MAPLE
AVENUE AND DUNHAM ROAD.

ELEVATION = 743.21 (NAD 83)

PLS 01 - 1/2\"/>

ELEVATION = 733.51 (NAD 83)

SITE BENCHMARK

CROSS OUT IN CONCRETE WALK NEAR NORTHWEST
CORNER OF SUBJECT PROPERTY, AS SHOWN HEREON.
ELEVATION = 735.84

LEGAL DESCRIPTION

THE EAST 100 FEET, EXCEPT THE SOUTH 207 FEET OF LOT
3 IN BLOCK 2 IN FAIRVIEW ACRES, BEING A SUBDIVISION
OF THE NORTH 1/2 OF THE SOUTHWEST 1/4 (ALSO KNOWN AS
LOT 6) OF SECTION 16, TOWNSHIP 38 NORTH, RANGE 11
EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE
PLAT THEREOF RECORDED APRIL 9, 1938 AS DOCUMENT
368165, IN DUPAGE COUNTY, ILLINOIS.

NOTES

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY
INFORMATION AND DRAWINGS IN SURVEYOR'S POSSESSION. THE SURVEYOR MAKES NO
WARRANTY THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH
UTILITIES IN THE AREA. EITHER IN SERVICE OF ADJACENTS, THE SURVEYOR FURTHER
DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT
LOCATION INDICATED ALTHOUGH HE DOES STATE THAT THEY ARE LOCATED AS
ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT
PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

PREPARED FOR OVERSIGHT BUILDERS
ADDRESS: 221 WEST SOUTH STREET, DOWNERS GROVE, ILLINOIS
BOOK & PG: 245-48 DATE: 3/2/2021 JOB NO: 2118000
DRAWN BY: JMB CHECK BY: _____
REVISED: _____

SYMBOL LEGEND

- | | |
|----------------------------------|----------------------------------|
| ○ - MARKER | (R) - RECORD DATA |
| ○ - CATCH-BASIN | (M) - MEASURED DATA |
| □ - INLET | 1/2" - TOP OF FOUNDATION |
| Δ - HYDRANT | F/F - FINISHED FLOOR |
| ⊕ - VALVE & VAULT | B/S - BOTTOM OF SOING |
| ⊕ - POWER POLE | --- - EXISTING ELEVATION |
| ⊕ - BUFFALO BOX | --- - SANITARY SEWER |
| --- - FENCE LINE | --- - STORM SEWER |
| --- - YARD DRAIN | --- - WATERMAIN |
| Δ - STREET LIGHT | --- - OVERHEAD WIRES |
| ⊕ - WELL | ⊕ - DEODOROUS TREE, LESS THAN 6" |
| ⊕ - ELECTRIC METER | ⊕ - DEODOROUS TREE, LESS THAN 6" |
| ⊕ - WATER METER | ⊕ - DEODOROUS TREE, LESS THAN 6" |
| ⊕ - GAS METER | ⊕ - DEODOROUS TREE, LESS THAN 6" |
| ⊕ - DUMP/OUT WITH FLOW DIRECTION | ⊕ - DEODOROUS TREE, LESS THAN 6" |
| ⊕ - MAILBOX | ⊕ - DEODOROUS TREE, LESS THAN 6" |
| | ⊕ - CONCRETE SURFACE |

SURVEYED AREA: 38,275.68 SQ. FT.

THIS SURVEY IS NOT VALID WITHOUT THE

SURVEYOR'S ORIGINAL SIGNATURE IN BLUE INK

REFER TO YOUR DEED, ABSTRACT, TITLE POLICY

AND LOCAL BUILDING AND ZONING ORDINANCES

FOR FEELS NOT SHOWN HEREON.

NO MEASUREMENTS ARE TO BE ASSUMED BY SCALING

STATE OF ILLINOIS

COUNTY OF SURGE

PROFESSIONAL LAND SURVEYING, INC. HEREBY CERTIFIES THAT IT HAS

SURVEYED THE TRACT OF LAND ABOVE DESCRIBED, AND THAT THE

HEREON DRAWN PLAT IS A CORRECT REPRESENTATION THEREOF.

FIELD WORK COMPLETED AND DATED

THIS 1ST DAY OF MARCH, 2021.



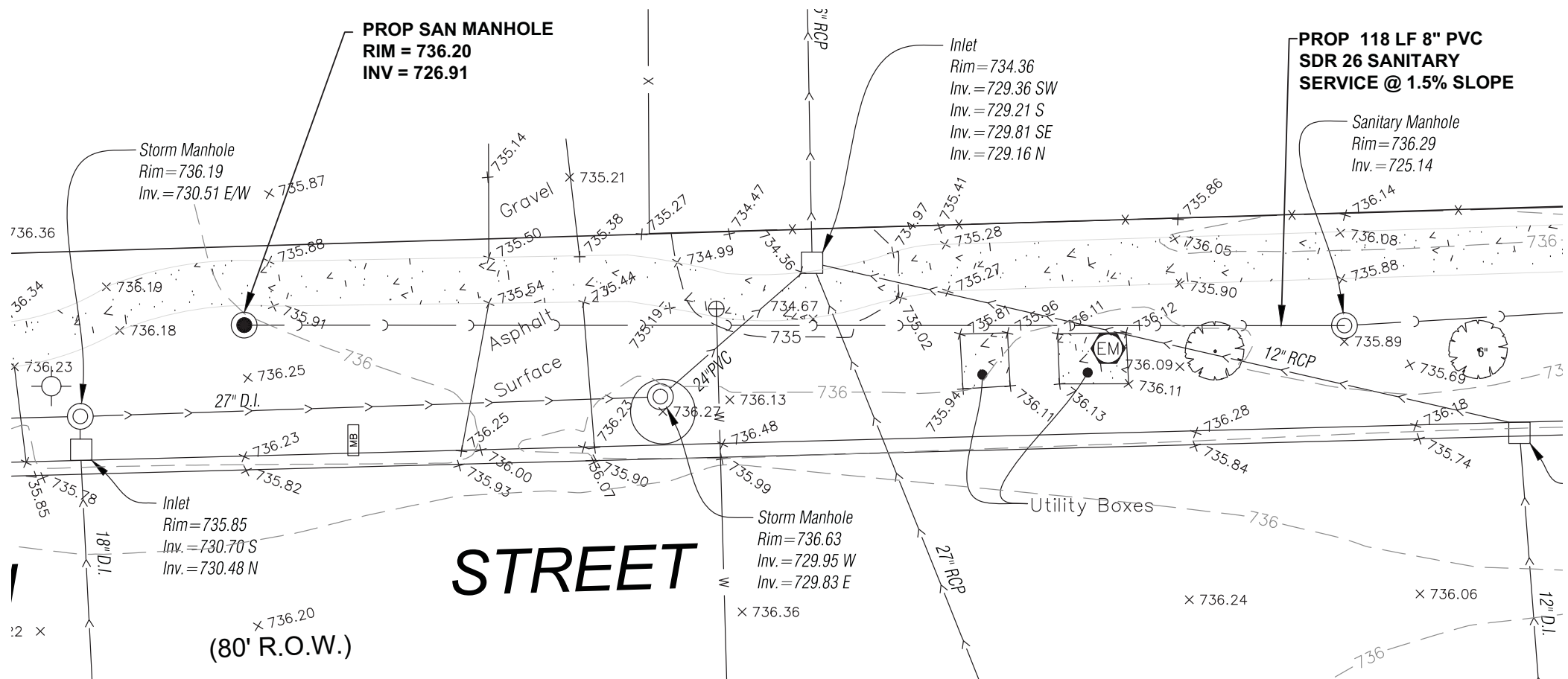
PLS No. 3483

EXPIRES: 11/30/2023

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS

MINIMUM STANDARDS FOR A BOUNDARY AND TOPOGRAPHIC SURVEY.

©2021 PLS INC., ALL RIGHTS RESERVED



DOWNERS GROVE SANITARY DISTRICT

MEMO

TO: Amy R. Underwood
General Manager

FROM: W. Clay Campbell
Administrative Supervisor

DATE: April 16, 2021

RE: Progress Report – March, 2021

ADMINISTRATIVE

Personnel

Oscar Avila, the District's new Sewer System Permit Technician, started with the District on March 1. Oscar has been the District's Summer Building and Grounds Crew Leader over the last five summers.

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

On April 2, a BURP packet was issued for a backup from a mainline blockage at Good Samaritan Hospital. The mainline under Highland Avenue was cleared of a large amount of rags and wipes to restore flow to the hospital complex. The hospital was immediately provided a BURP packet. The sewer system technician that responded identified that the damage was minor water on the concrete floor and was mostly caused by the hospital maintenance staff cutting open the service pipe as a point to rod from. As a result, I am providing you with a program summary this month.

DuPage County Reporting

Amy, Alyssa and I continue to update the DuPage County Board Chairman's office in compliance with the requirements of the County's reporting ordinance. Most recently, we provided the Chairman with a copy of the District's Appropriation Ordinance for Fiscal Year 2021-22, approved Five-Year Plan for Fiscal Years 2021-22 to 2025-26 and the adopted Ordinance ORD No. 21-01 revising the District's rates and fees.

OSHA Log

As required by the Illinois Department of Labor, the OSHA Form 300A for 2020 has been completed by Safety Coordinator Jessie Gwozdz and will be posted from February 1 to April 30.

Open Meetings Act Compliance

In accordance with Section 7.3 of the Open Meetings Act, staff posted information on the District's website related to the total compensation package for all employees following approval of the District budget for the next fiscal year.

Safety Committee and Related Safety Matters

A Safety Committee meeting was held on April 8 by Safety Coordinator Jessie Gwozdz via Zoom. The Committee discussed: vehicle selections and vehicle safety feature needs for upcoming fiscal years, discussion of the safety aspects of the outfall cleaning process, planning for the installation of an outdoor eating and meeting area to encourage employee social distancing during the COVID-19 pandemic at both the WWTC and the Admin Center, and a review of any incident or hazard reports.

Group Health Insurance Renewal

There is a separate memo in the Board Packet regarding this item.

Technology Update

We are continuing to make progress with the eventual deployment of a fiber circuit at the District's WWTC site with Comcast. All of the major legs in the fiber circuit have been installed and we are anticipated the cut-over to take place in early May.

The customer billing portal project with CityInsight is proceeding on schedule – CityInsight is currently in the process of upgrading their customer user interface and the District will receive the benefit of this upgrade as part of our project as we have not yet undergone this portion of the design work. I will continue to apprise the Board on this project's progress as updates occur.

I am still continuing to work with Concentric Integration to finish migrating various "services" off of the District's old Admin IT server and onto the new replacement server so as to not interrupt the resources for staff. We are currently in the process of shifting printing services.

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:	88
# of Customers paying their bills online in the last month:	1776
Amount of Money processed through the Portal in the last month:	\$113,049.61
# of Customers signing up for Autopay through the Portal in the last month:	65
# of Customers enrolled in paperless billing in the last month:	50
# of customers registered for pay by text in the last month:	47
Cost to District for providing Invoice Cloud service in the last month:	\$393.90
Cost to District's customers (convenience fees) in the last month:	\$2,969.10
Estimated Monthly savings from customers enrolled in paperless billing:	\$82.05
# of Customers registered from launch through last month:	5,838
# of Customers signing up for Autopay through the Portal from launch through last month:	1,907
# of Customers enrolled in paperless billing from launch through last month:	2,735
# of customers registered for pay by text from launch through last month:	1,764

FINANCIAL

Annual Audit

Preliminary audit work will begin with Lauterbach & Amen, LLP in early May and the regular fieldwork is scheduled for late May.

Appropriation Ordinance for FY21-22 and Ordinance No. ORD 21-01

The Appropriation Ordinance for FY21-22 was published in the paper on March 25. Ordinance No. ORD 21-01 (changes in rates and fees) was published in the paper on March 25 as well. Per state statute, changes in the rates and fees took effect on Sunday, April 4.

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.

CODE ENFORCEMENT & UNSEWERED AREAS

Building Sanitary Service Repair Assistance Program; Infiltration and Inflow Removal Program; and Overhead Sewers and Backflow Prevention Devices Reimbursement Program

I have continued to perform the legal review of both Program Agreements and Access Agreements for all of the above programs as prepared by our office prior to execution by the parties.

Sewer Permitting Process

I have continued to perform the legal review of Access Agreements and Annexation Petitions prepared by our office as needed by sewer permit applicants.

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

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

04/16/21										
STREET ADDRESS	CITY	NAME	DATE OF BACKUP	DATE CLAIM RECEIVED	AMOUNT OF CLAIM	ADJUSTER RECOMMENDATION	AMOUNT PAID	DATE PAID	ADJUSTER FEE	STATUS
144 N. PARK STREET	WESTMONT	RUDEY	7/9/2019	TIME LIMIT FOR CLAIM EXPIRED.						CLOSED
4948 SARATOGA AVENUE	DOWNERS GROVE	RAINES	8/10/2019	11/7/2019	501.70	RODDING AND CLEANUP COSTS ONLY - PAY \$501.70	501.70	12/13/2019	0.00	CLOSED
4311 STANLEY AVENUE	DOWNERS GROVE	ALFANO	9/25/2020	11/11/2020	2,716.25	NO ADJUSTER - CLEANUP AND PLUMBER COSTS ONLY	2,500.00	11/21/2020	0.00	CLOSED
639 OGDEN AVENUE	DOWNERS GROVE	AMERICAN BICYCLE & FITNESS	10/1/2020	10/28/2020	520.00	NO ADJUSTER - PLUMBER COSTS ONLY	520.00	12/9/2020	0.00	CLOSED
3524 SARATOGA AVENUE	DOWNERS GROVE	DONCRANK	12/12/2020	IN PROCESS - ADJUSTER CONTACT FOR EVALUATION						OPEN
3815 HIGHLAND AVENUE	DOWNERS GROVE	GOOD SAMARITAN HOSPITAL	4/2/2021							OPEN
			244	122	\$161,329.50		\$91,088.23		\$18,919.35	
				3	\$1,245.98		\$1,173.90		\$0.00	
TOTAL NUMBER OF BACKUPS (SINCE PROGRAM START IN 1997)										
TOTAL NUMBER OF CLAIMS RECEIVED (SINCE PROGRAM START IN 1997)										
TOTAL AMOUNT OF CLAIMS RECEIVED (SINCE PROGRAM START IN 1997)										
TOTAL AMOUNT OF CLAIMS PAID (SINCE PROGRAM START IN 1997)										
TOTAL AMOUNT PAID TO ADJUSTER (SINCE PROGRAM START IN 1997)										
NUMBER OF CLAIMS (MOST RECENT 24 MOS)										
AVERAGE AMOUNT OF CLAIM (MOST RECENT 24 MOS)										
AVERAGE AMOUNT OF PAYMENT (MOST RECENT 24 MOS)										
AVERAGE AMOUNT PAID TO ADJUSTER PER CLAIM (MOST RECENT 24 MOS)										

USER BILLING SUMMARY

User Charge System

Billings for March 2021 were as follows:

User	\$233,064.45
Surcharge	14,802.79
Monthly fees	335,221.41
Total	<u>\$583,088.65</u>
Summer Usage Adjustment	\$0.00
Billable Flow	129,480,250
Budgeted Billable Flow	138,707,452
% Actual/Budgeted Billable Flow	93.35%
YTD Billable Flow	1,821,907,009
YTD Budgeted Billable Flow	1,905,630,860
% Actual/Budgeted Billable Flow	95.61%

The user accounts receivable balance on 3/31/2021 is \$600,054.39 and consists of:

Current charges due 4/15/21	\$443,771.69
Past due charges and penalty	156,282.70
Total	<u>\$600,054.39</u>

The past due charges represent:

<u>Age</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Totals</u>
30 days past due	\$44,264.52	\$5,311.94	\$49,576.46
60 days past due	12,941.10	1,970.49	14,911.59
90 days & greater past due	79,415.08	12,379.57	91,794.65
	<u></u>	<u></u>	<u></u>
Totals	\$136,620.70	\$19,662.00	\$156,282.70

Summary of
Past Due Charges
(90 Days and Over)

Five Year Comparison

March

<u>Year</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
2021	\$79,415.08	\$12,379.57	\$91,794.65 *****
2020	45,678.28	6,089.99	51,768.27 *****
2019	39,815.02	4,905.41	44,720.43 *****
2018	50,163.93	6,372.97	56,536.90 ***
2017	33,746.64	4,699.23	38,445.87 **

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

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

***Includes \$17,128.69 in sewer disconnection costs on 6 accounts plus late fees

**Includes \$9,256.59 in sewer disconnection costs on 3 accounts plus late fees

Twelve Months Ending March 2021

<u>Month Ending</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
3/31/21	\$79,415.08	\$12,379.57	\$91,794.65
2/28/21	79,355.03	11,905.29	91,260.32
1/31/21	105,977.30	15,756.19	121,733.49
12/31/20	104,927.73	15,924.29	120,852.02
11/30/20	105,659.64	15,270.20	120,929.84
10/31/20	83,672.22	10,944.08	94,616.30
9/30/20	83,036.33	10,243.54	93,279.87
8/31/20	91,467.51	10,158.49	101,626.00
7/31/20	85,214.22	1,419.54	86,633.76
6/30/20	64,632.71	4,939.58	69,572.29
5/31/20	57,672.52	7,368.53	65,041.05
4/30/20	46,759.51	6,189.05	52,948.56

One account from 2012 and another from 2014 are the only two remaining sewer disconnections.

To: Amy Underwood, General Manager
From: Marc Majewski, Operations Supervisor
Re: Month of March, 2021 WWTC Operations Report.
Date: April 13, 2021

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

Certain highlights of operational activities included:

- Monthly flow: Average daily flows to the plant were 14.56 MGD. Total precipitation at the WWTC was 1.74". There were 2 excess flow event during the month of March. There were 26 days of discharge over 11 MGD.
- Activated sludge: Operating performance was good throughout the month of March. A noticeable decrease in sludge settle ability and an increase in B01 ammonias were observed, but are typical with the seasonal change.
- Anaerobic Digesters: Pumped a total of 1,189,199 gallons of primary sludge, 717,600 gallons of WAS, 244,736 gallons of TWAS, and 327,966 gallons of waste grease for a total of 1,761,901 gallons pumped to digesters. Total Volatile Solids destruction was calculated at 55.4% for March.
- Digester gas: Total digester gas production was 6,339,145 cubic feet. 15,543 cubic feet of gas was used for anaerobic digestion heat, and 5,981,142 cubic feet was used in the CHP facilities. 144,584 cubic feet of flared gas was recorded during the month. The Munters dehumidifier used 197,876 cubic feet of gas.
- Bio-solids: Bio-mechanics distributed 53 dry tons in the month of March, with a year to date total of 67 dry tons distributed.
- Miscellaneous Items: The compost pile project has come to a close, with heap #4 finished. Operations has begun seasonal drying work of the primary sludge drying beds.
- Electricity: Overall net energy from ComEd was: -68,489 KW-Hrs. Electricity Generated by the CHP system was 475,416 KW-Hrs. Monthly net energy (including natural gas usage) was -45 MW-Hrs for the month of March.

C: WDVb, AES, PWC, KJR, RTJ, MJS, WCC, MGP

Monthly Operations Report Page 1

	WWTC Rainfall	B01 Parshall Flume Flow Max Mgd	B01 Parshall Flume Flow Min Mgd	B01 Parshall Flume Flow Avg Mgd	A01 Parshall Flume Flow Max Mgd	A01 Parshall Flume Flow Avg Mgd	C01 Int Clar #1 Flow Max Mgd	C01 Int Clar #1 Flow Avg Mgd	Outfall 003 Flow Max Mgd	Outfall 003 Flow Avg Mgd	Total Flow Max Mgd	Total Flow Avg Mgd	002 Outfall Flow Avg Mgd
Date	inches	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD
3/1/2021	0.00	22.96	21.26	21.62	10.58	3.07	0.00	0.00	0.00	0.00	33.54	24.69	5.06
3/2/2021	0.00	23.03	20.19	21.43	0.00	0.00	0.00	0.00	0.00	0.00	23.03	21.43	0.00
3/3/2021	0.00	24.33	16.36	20.63	0.00	0.00	0.00	0.00	0.00	0.00	24.33	20.63	0.00
3/4/2021	0.00	22.61	17.61	20.27	0.00	0.00	0.00	0.00	0.00	0.00	22.61	20.27	0.00
3/5/2021	0.00	22.18	14.94	18.15	0.00	0.00	0.00	0.00	0.00	0.00	22.18	18.15	0.00
3/6/2021	0.00	19.59	12.49	15.66	0.00	0.00	0.00	0.00	0.00	0.00	19.59	15.66	0.00
3/7/2021	0.00	18.36	11.88	14.75	0.00	0.00	0.00	0.00	0.00	0.00	18.36	14.75	0.00
3/8/2021	0.00	19.33	11.25	14.91	0.00	0.00	0.00	0.00	0.00	0.00	19.33	14.91	0.00
3/9/2021	0.00	18.46	12.12	14.90	0.00	0.00	0.00	0.00	0.00	0.00	18.46	14.90	0.00
3/10/2021	0.00	17.51	12.15	14.67	0.00	0.00	0.00	0.00	0.00	0.00	17.51	14.67	0.00
3/11/2021	0.09	18.81	10.49	13.39	0.00	0.00	0.00	0.00	0.00	0.00	18.81	13.39	0.00
3/12/2021	0.00	15.72	10.49	13.39	0.00	0.00	0.00	0.00	0.00	0.00	15.72	13.39	0.00
3/13/2021	0.00	15.87	8.31	11.32	0.00	0.00	0.00	0.00	0.00	0.00	15.87	11.32	0.00
3/14/2021	0.00	15.58	8.01	10.53	0.00	0.00	0.00	0.00	0.00	0.00	15.58	10.53	0.00
3/15/2021	0.00	15.87	7.55	11.39	0.00	0.00	0.00	0.00	0.00	0.00	15.87	11.39	0.00
3/16/2021	0.41	16.87	9.50	13.73	0.00	0.00	0.00	0.00	0.00	0.00	16.87	13.73	0.00
3/17/2021	0.67	25.56	10.25	15.00	0.00	0.00	0.00	0.00	0.00	0.00	25.56	15.00	0.00
3/18/2021	0.08	26.69	17.24	23.17	7.98	1.81	0.00	0.00	0.00	0.00	34.68	24.98	4.40
3/19/2021	0.00	22.29	16.20	19.17	0.00	0.00	0.00	0.00	0.00	0.00	22.29	19.17	0.00
3/20/2021	0.00	21.32	12.62	16.13	0.00	0.00	0.00	0.00	0.00	0.00	21.32	16.13	0.00
3/21/2021	0.00	17.72	11.57	14.19	0.00	0.00	0.00	0.00	0.00	0.00	17.72	14.19	0.00
3/22/2021	0.00	16.40	10.05	12.89	0.00	0.00	0.00	0.00	0.00	0.00	16.40	12.89	0.00
3/23/2021	0.22	16.57	9.01	12.68	0.00	0.00	0.00	0.00	0.00	0.00	16.57	12.68	0.00
3/24/2021	0.03	29.59	10.30	13.37	0.00	0.00	0.00	0.00	0.00	0.00	29.59	13.37	0.00
3/25/2021	0.20	14.82	8.72	11.19	0.00	0.00	0.00	0.00	0.00	0.00	14.82	11.19	0.00
3/26/2021	0.03	15.37	11.49	13.30	0.00	0.00	0.00	0.00	0.00	0.00	15.37	13.30	0.00
3/27/2021	0.00	14.88	8.51	11.32	0.00	0.00	0.00	0.00	0.00	0.00	14.88	11.32	0.00
3/28/2021	0.01	14.38	7.77	10.28	0.00	0.00	0.00	0.00	0.00	0.00	14.38	10.28	0.00
3/29/2021	0.00	15.54	6.83	9.98	0.00	0.00	0.00	0.00	0.00	0.00	15.54	9.98	0.00
3/30/2021	0.00	12.00	6.82	9.45	0.00	0.00	0.00	0.00	0.00	0.00	12.00	9.45	0.00
3/31/2021	0.00	15.14	0.34	8.49	0.00	0.00	0.00	0.00	0.00	0.00	15.14	8.49	0.00
Minimum	0.00	12.00	0.34	8.49	0.00	0.00	0.00	0.00	0.00	0.00	12.00	8.49	0.00
Maximum	0.67	29.59	21.26	23.17	10.58	3.07	0.00	0.00	0.00	0.00	34.68	24.98	5.06
Total	1.74	585.31	352.32	451.38	18.56	4.88	0.00	0.00	0.00	0.00	603.87	456.26	9.46
Average	0.06	18.88	11.37	14.56	0.60	0.16	0.00	0.00	0.00	0.00	19.48	14.72	0.31

Monthly Operations Report Page 2

	Tertiary Flow MGD	MLSS Avg	Activated Sludge Inventory Lbs MLSS	Activated Sludge SRT Days	15 Minutes Aeration Settling %	30 Minutes Aeration Settling %	60 Minutes Aeration Settling %	Sludge Volume Index	System 1 RAS TSS	System 2 RAS TSS	Dupage River Outfall DO
Date	MGD		LBS	DAYS	mL/L	mL/L	mL/L	mL/g	mg/l	mg/l	mg/l
3/1/2021	21.62	1,580	53,283	7.52	38	27	21	170		6,344	
3/2/2021	21.43		53,283	8.03							8.1
3/3/2021	20.63	2,045	68,933	10.62	50	37	30	182		6,142	8.4
3/4/2021	20.27		68,933	9.90							8.5
3/5/2021	18.15	1,992	67,175	9.43	58	44	33	217	4,075		
3/6/2021	15.66		67,175	9.41							
3/7/2021	14.75		67,175	9.42							
3/8/2021	14.91	2,601	87,676	10.99	88	72	58	277		6,379	9.3
3/9/2021	14.90		87,676	10.09							9.0
3/10/2021	14.67	2,312	77,944	9.01	73	58	45	250		6,057	8.8
3/11/2021	13.39		77,944	9.04							
3/12/2021	13.39	2,405	81,091	9.41	74	57	44	238	4,215		
3/13/2021	11.32		81,091	9.37							
3/14/2021	10.53		81,091	9.37							
3/15/2021	11.39	2,364	79,709	12.04	78	61	48	256		4,713	8.6
3/16/2021	13.73		79,709	11.38							8.4
3/17/2021	15.00	2,236	75,382	10.62	70	56	44	253	4,067		
3/18/2021	23.17		69,168	12.60							
3/19/2021	19.17	1,731	58,347	7.45	41	30	24	175		6,172	8.2
3/20/2021	16.13		58,347	7.40							
3/21/2021	14.19		58,347	7.44							
3/22/2021	12.89	2,309	77,838	13.33	68	54	41	231		4,881	8.7
3/23/2021	12.68		77,838	14.70							8.3
3/24/2021	13.37	2,257	76,084	14.38	72	58	43	256	4,932		8.0
3/25/2021	11.19		76,084	14.94							
3/26/2021	13.30	2,188	73,769	13.61	73	56	43	254		5,690	
3/27/2021	11.32		73,769	13.15							
3/28/2021	10.28	2,489	83,902	18.17						4,703	
3/29/2021	9.98		83,902	18.54	81	62	51				9.1
3/30/2021	9.45		83,902	18.67							8.2
3/31/2021	8.49	2,574	86,774	17.16	82	74	54	287	4,260		8.2
Minimum	8.49	1,580	53,283.13	7.40	37.86	26.94	21.09	170.27	4,067	4,703	8.0
Maximum	23.17	2,601	87,676.31	18.67	88.37	73.79	57.83	286.72	4,932	6,379	9.3
Total	451.38	31,082	2,293,344.15	357.18	946.21	745.64	578.31	3,046.84	21,549	51,081	127.8
Average	14.56	2,220	73,978.74	11.52	67.57	53.29	41.36	234.31	4,310	5,676	8.5

Monthly Operations Report Page 3

	Tertiary Flow MGD	Influent BOD 5	Primary Clarifier BOD 5	Intermediate Clarifier CBOD 5	Tertiary Effluent CBOD 5	Tertiary Effluent CBOD 5 Load	BOD 5 Removal %	Ambient Air Temp Min	Ambient Air Temp Max	Influent Flow Temp
Date	MGD	mg/l	mg/l	mg/l	mg/l		%	Deg F	Deg F	Deg F
3/1/2021	21.62	92			1.6	289	96.3	18	36	49.6
3/2/2021	21.43	112	58	4.8	1.4	250	97.8	15	44	49.5
3/3/2021	20.63	118			1.5	258	97.1	32	59	49.6
3/4/2021	20.27	131	50	1.3	1.2	203	96.8	25	40	49.7
3/5/2021	18.15							21	50	
3/6/2021	15.66							22	52	
3/7/2021	14.75							20	53	
3/8/2021	14.91	145			1.0	124	98.5	38	65	50.0
3/9/2021	14.90	136	68	1.5	1.1	137	98.2	38	68	51.6
3/10/2021	14.67	172			1.3	159	98.6	55	69	
3/11/2021	13.39	173	71	2.1	1.2	134	98.4	37	63	51.5
3/12/2021	13.39							37	63	
3/13/2021	11.32							27	61	
3/14/2021	10.53							32	48	
3/15/2021	11.39	154			0.6	57	98.5	28	70	52.2
3/16/2021	13.73	165	58	2.0	0.8	92	97.8	32	39	52.5
3/17/2021	15.00	162			0.8	100	97.7	33	40	52.0
3/18/2021	23.17	91	51	3.9	1.0	193	94.9	36	45	52.1
3/19/2021	19.17							29	50	
3/20/2021	16.13							25	58	
3/21/2021	14.19							33	65	
3/22/2021	12.89	175			0.8	86	98.4	47	69	52.3
3/23/2021	12.68	185	71	1.3	0.8	85	98.1	49	65	52.4
3/24/2021	13.37	164			0.8	89	98.7	47	59	53.1
3/25/2021	11.19	151	68	1.2	0.7	65	97.7	37	51	52.9
3/26/2021	13.30							36	46	
3/27/2021	11.32							35	65	
3/28/2021	10.28							33	53	
3/29/2021	9.98	156			0.6	50	98.6	27	63	53.6
3/30/2021	9.45	168	82	1.9	0.6	47	97.4	46	68	53.4
3/31/2021	8.49	160			1.2	85	97.5	33	46	54.0
Minimum	8.49	91	50	1.2	0.60	47	94.9	15	36	49.5
Maximum	23.17	185	82	4.8	1.60	289	98.7	55	70	54.0
Total	451.38	2,810	577	20.0	19.00	2,503	1,857.0	932	1,724	932.0
Average	14.56	148	64	2.2	1.00	132	97.7	33	56	51.8

Monthly Operations Report Page 4

	Tertiary Flow MGD	Influent TSS	Primary Clarifier TSS	Intermediate Clarifier TSS	Tertiary Effluent TSS	Tertiary Effluent TSS Load	TSS Removal %	Influent pH	Primary Clarifier pH	Tertiary Effluent pH	Intermediate pH
Date	MGD	mg/l	mg/l	mg/l	mg/l	lbs/day	%	SU	SU	SU	SU
3/1/2021	21.62	84			2.1	379	97.5	7.6	7.7	7.1	7.4
3/2/2021	21.43	92	42	20.4	1.9	340	97.9	7.6	7.8	7.2	7.4
3/3/2021	20.63	105			1.4	241	98.7	7.6	7.8	7.2	7.4
3/4/2021	20.27	90	33	1.2	0.8	135	99.1	7.7	7.8	7.3	7.4
3/5/2021	18.15	72			0.5	76	99.3	7.6	7.8	7.3	7.4
3/6/2021	15.66	80			0.2	26	99.8				
3/7/2021	14.75	124			0.2	25	99.8				
3/8/2021	14.91	140			0.3	37	99.8	7.6	7.6	7.2	7.2
3/9/2021	14.90	130	54	3.6	0.5	62	99.6	7.8	7.6	7.2	7.3
3/10/2021	14.67	128			0.4	49	99.7	7.7	7.6	7.2	7.4
3/11/2021	13.39	148	36	3.2	0.3	34	99.8	7.7	7.6	7.2	7.4
3/12/2021	13.39	160			0.2	22	99.9	7.7	7.7	7.1	7.3
3/13/2021	11.32	164			0.3	28	99.8				
3/14/2021	10.53	144			0.3	26	99.8				
3/15/2021	11.39	188			0.3	29	99.8	7.7	7.5	7.2	7.2
3/16/2021	13.73	160	40	3.4	0.4	46	99.8	7.6	7.6	7.3	7.3
3/17/2021	15.00	160			0.6	75	99.6	7.7	7.6	7.2	7.3
3/18/2021	23.17	100	50	17.3	1.5	290	98.5	7.7	7.7	7.2	7.2
3/19/2021	19.17	70			0.6	96	99.1				
3/20/2021	16.13	95			0.6	81	99.4				
3/21/2021	14.19	120			0.3	36	99.8				
3/22/2021	12.89	190			0.1	11	99.9	7.6	7.6	7.1	7.3
3/23/2021	12.68	153	41	0.9	0.4	42	99.7	7.7	7.7	7.1	7.3
3/24/2021	13.37	172			0.1	11	99.9	7.6	7.6	7.1	7.3
3/25/2021	11.19	100	37	1.7	0.3	28	99.7	7.8	7.6	7.1	7.2
3/26/2021	13.30	136			0.3	33	99.8	7.7	7.6	7.0	7.4
3/27/2021	11.32	128			0.4	38	99.7				
3/28/2021	10.28	114			0.4	34	99.6				
3/29/2021	9.98	165			0.4	33	99.8	7.4	7.5	7.2	7.3
3/30/2021	9.45	165	41	2.4	0.2	16	99.9	7.6	7.7	7.1	7.2
3/31/2021	8.49	180			0.5	35	99.7	7.6	7.7	7.0	7.2
Minimum	8.49	70	33	0.9	0.1	11	97.5	7.4	7.5	7.0	7.2
Maximum	23.17	190	54	20.4	2.1	379	99.9	7.8	7.8	7.3	7.4
Total	451.38	4,057	374	54.1	16.8	2,413	3,084.3	168.3	168.4	157.6	160.8
Average	14.56	131	42	6.0	0.5	78	99.5	7.7	7.7	7.2	7.3

MONTHLY OPERATIONS REPORT PAGE

5

Date	Tertiary Flow MGD	Influent Ammonia-N mg/l	Tertiary Ammonia-N mg/l	Tertiary Effluent Ammonia-N Load lbs/day	Chlorine Residual mg/l	Fecal Coliform col/100ml
3/1/2021	21.62				0.03	
3/2/2021	21.43	7.04	2.62	468.3	0.03	
3/3/2021	20.63				0.03	
3/4/2021	20.27				0.03	
3/5/2021	18.15				0.03	
3/6/2021	15.66				0.03	
3/7/2021	14.75	10.52	1.01	124.3	0.03	
3/8/2021	14.91				0.03	
3/9/2021	14.90	11.52	1.87	232.4		
3/10/2021	14.67					
3/11/2021	13.39					
3/12/2021	13.39					
3/13/2021	11.32					
3/14/2021	10.53	12.42	2.85	250.3		
3/15/2021	11.39					
3/16/2021	13.73	19.56	1.92	219.8		
3/17/2021	15.00					
3/18/2021	23.17				0.03	
3/19/2021	19.17				0.03	
3/20/2021	16.13					
3/21/2021	14.19	9.88	0.95	112.4		
3/22/2021	12.89					
3/23/2021	12.68	15.80	1.68	177.7		
3/24/2021	13.37					
3/25/2021	11.19				0.03	
3/26/2021	13.30				0.03	
3/27/2021	11.32					
3/28/2021	10.28	11.10	0.10	8.6		
3/29/2021	9.98					
3/30/2021	9.45	19.08	1.19	93.8		
3/31/2021	8.49					
Minimum	8.49	7.04	0.10	8.6	0.03	
Maximum	23.17	19.56	2.85	468.3	0.03	
Total	451.38	116.92	14.19	1,687.5	0.36	
Average	14.56	12.99	1.58	187.5	0.03	

SLUDGE DATA

Primary Sludge	TS	3.18 %	1,189,199 Gallons
WAS to Digesters	TS	3.22 %	717,600 Gallons
TWAS to Digester 4	TS	5.88 %	244,736 Gallons
Hauled Grease to Digs	TS	8.80 %	327,966 Gallons
<u>Anaerobically Digested Sludge Pumping</u>			
Drying Beds	TS	2.17 %	203,112 Gallons
BFP	TS	2.19 %	804,739 Gallons
Lagoons	TS	%	Gallons
Total			1,007,851 Gallons
VS Destruction			55.4 %

Biosolids Disposal

Class A Distribution	Mar	53 Dry Tons
Class B Hauling	Mar	Dry Tons
Total	Mar	53 Dry Tons
Class A Distribution	YTD	67 Dry Tons
Class B Hauling	YTD	Dry Tons
Total	YTD	67 Dry Tons

ENERGY DATA

Total Digester Gas Production	6,339,145 SCF
Gas Volume per Volatile Solids Load	9.9 Cu.Ft./Lb.
<u>Digester Gas Utilization</u>	
Heat Exchangers	15,543 SCF
Dehumidification	197,876 SCF
CHP	5,981,142 SCF
Total	6,194,562 SCF
Digester Gas Flared	144,584 SCF

Natural Gas Consumed

WWTC	27,367 SCF
MSB	32,500 SCF
Chemical Feed	15,433 SCF
5006 Walnut	1,350 SCF
Kilowatt-hours Generated CHP	475,416 KWH
Net energy from Comed	-68,489 KWH
Monthly net energy	-45 MWH

MISCELLANEOUS

Grit Removal	Mar	20 Cu. Yds
Grit Removal	YTD	40 Cu. Yds
Anaerobic Supernate		685,367 Gallons
Waste Activated Sludge		144,610 Gals/Day
City Water Consumed		19,074 Gallons

Monthly Operations Report Page 6

	Tertiary Flow MGD	Influent Phosphorus	Tertiary Effluent Phosphorus	Influent Phosphorus Load	Tertiary Effluent Phosphorus Load	Phosphorus Removal %	Influent Nitrogen	Tertiary Effluent Nitrogen	Influent Nitrogen Load	Tertiary Effluent Nitrogen Load	Nitrogen Removal %	Tertiary Effluent Nitrate Grab
Date	MGD	mg/l	mg/l	lbs/day	lbs/day	%	mg/l	mg/l	lbs/day	lbs/day	%	mg/l
3/1/2021	21.62											
3/2/2021	21.43											
3/3/2021	20.63	2.54	1.22	453.0	209.9	52.0						
3/4/2021	20.27											5.35
3/5/2021	18.15											
3/6/2021	15.66											
3/7/2021	14.75											
3/8/2021	14.91											
3/9/2021	14.90						22.3	11.6	2,675.4	1,441.4	46.1	
3/10/2021	14.67	3.70	1.60	446.9	195.8	56.8						
3/11/2021	13.39											
3/12/2021	13.39											14.37
3/13/2021	11.32											
3/14/2021	10.53											
3/15/2021	11.39	4.45	2.12	387.3	201.4	52.4						
3/16/2021	13.73											
3/17/2021	15.00											
3/18/2021	23.17											6.93
3/19/2021	19.17											
3/20/2021	16.13											
3/21/2021	14.19											
3/22/2021	12.89	4.31	1.67	420.9	179.6	61.3						
3/23/2021	12.68											
3/24/2021	13.37											
3/25/2021	11.19											14.74
3/26/2021	13.30											
3/27/2021	11.32											
3/28/2021	10.28											
3/29/2021	9.98	5.13	2.00	412.7	166.5	61.0						
3/30/2021	9.45											
3/31/2021	8.49											
Minimum	8.49	2.54	1.22	387.3	166.5	52.0	22.3	11.6	2,675.4	1,441.4	46.1	5.35
Maximum	23.17	5.13	2.12	453.0	209.9	61.3	22.3	11.6	2,675.4	1,441.4	46.1	14.74
Total	451.38	20.13	8.61	2,120.9	953.2	283.4	22.3	11.6	2,675.4	1,441.4	46.1	41.39
Average	14.56	4.03	1.72	424.2	190.6	56.7	22.3	11.6	2,675.4	1,441.4	46.1	10.35

DMR Copy of Record

Permit

Permit #:
Major:

IL0028380
Yes

Permittee:
Permittee Address:

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

Facility:
Facility Location:

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

Permitted Feature:

001
External Outfall

Discharge:

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

Report Dates & Status

Monitoring Period:

From 03/01/21 to 03/31/21

DMR Due Date:

04/25/21

Status:

NetDMR Validated

Considerations for Form Completion

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:
Last Name:

Amy
Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	8.4	=	8.1	=	6.9	19 - mg/L	0	03/DW - 3 Days Every Week	GR - GRAB
					Permit Req.							Req Mon MO AV MN		Req Mon MN WK AV		Req Mon DAILY MN	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample								=	4.2	=	10.5	19 - mg/L	0	04/07 - Four Per Week	CP - COMPOS
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.0			=	7.4	12 - SU	0	05/DW - 5 Days Every Week	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	0.8	=	4.2	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample								=	2.0	=	4.0	19 - mg/L	0	02/DW - Twice Every Discharge Week	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample										=	2.17	19 - mg/L	0	07/30 - 7 Times Every Month	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								=	0.11			19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	0.75 MO AVG			19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample										=	99.0	13 - #/100mL	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.										<=	400.0 DAILY MX	13 - #/100mL		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	446.8	80 - Mgal/mo								0	99/99 - Continuous	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									99/99 - Continuous	
					Value NODI															

Submission Note

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

Edit Check Errors

No errors.

Comments

31 days of discharge, including 2 days combined with A01 and zero days 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:	2021-04-14 13:28 (Time Zone: -05:00)
<i>Report Last Signed By</i>	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2021-04-14 13:50 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:
Major:

IL0028380
Yes

Permittee:
Permittee Address:

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

Facility:
Facility Location:

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

Permitted Feature:

002
External Outfall

Discharge:

002-0
MIXING CHMBR OVERFLOW TO ST. JOSEPH CRK

Report Dates & Status

Monitoring Period:

From 03/01/21 to 03/31/21

DMR Due Date:

04/25/21

Status:

NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:
Last Name:

Amy
Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample										=	6.9	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MN	19 - mg/L			
					Value NODI															
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample								=	13.2	=	20.8	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L			
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.2			=	7.4	12 - SU	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU			
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	5.4	=	12.2	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L			
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample										=	3.98	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample										=	2.17	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								=	0.53			19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	0.75 MO AVG			19 - mg/L			
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample										=	99.0	13 - #/100mL	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.										<=	400.0 DAILY MX	13 - #/100mL			
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	9.46	80 - Mgal/mo								0	DL/DS - Daily When Discharging	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo										
					Value NODI															

Submission Note

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

Edit Check Errors

No errors.

Comments

2 days of discharge.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

reeseberry

Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2021-04-14 13:30 (Time Zone: -05:00)
<i>Report Last Signed By</i>	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2021-04-14 13:50 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:
Major:

IL0028380
Yes

Permittee:
Permittee Address:

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

Facility:
Facility Location:

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

Permitted Feature:

003
External Outfall

Discharge:

003-0
EXCESS FLOW TO ST. JOSEPH CRK

Report Dates & Status

Monitoring Period:

From 03/01/21 to 03/31/21

DMR Due Date:

04/25/21

Status:

NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:
Last Name:

Amy
Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

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

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry

Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2021-04-14 13:30 (Time Zone: -05:00)
<i>Report Last Signed By</i>	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2021-04-14 13:50 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:

IL0028380

Major:

Yes

Permitted Feature:

A01
External Outfall

Permittee:

DOWNERS GROVE SANITARY DISTRICT

Permittee Address:

2710 CURTISS STREET PO BOX 1412
DOWNERS GROVE, IL 60515

Discharge:

A01-0
EXCESS FLOW FROM EXCESS FLOW CLARIFIERS

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:

5003 WALNUT AVENUE
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:

From 03/01/21 to 03/31/21

DMR Due Date:

04/25/21

Status:

NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:

Amy

Last Name:

Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample										=	42.8	19 - mg/L	0
					Permit Req.											Req Mon DAILY MX	19 - mg/L	
					Value NODI													
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample										=	26.3	19 - mg/L	0
					Permit Req.											Req Mon DAILY MX	19 - mg/L	
					Value NODI													
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample										=	6.92	19 - mg/L	0
					Permit Req.											Req Mon DAILY MX	19 - mg/L	
					Value NODI													
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample										=	2.13	19 - mg/L	0
					Permit Req.											Req Mon DAILY MX	19 - mg/L	
					Value NODI													
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	4.88	80 - Mgal/mo								0
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo								
					Value NODI													

Submission Note

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

Edit Check Errors

No errors.

Comments

2 days of discharge. Event 1: 3/1/2021, discharging for 23.1 hours. Snowmelt from heavy snow pack was a continuation from late February which caused excess flow conditions. B01 flow rate at A01 start time: 15,387 gpm. Event 2: 3/18/2021, discharging for 16.1 hours. 1.16 inches of rain over 23 hours. B01 flow rate at A01 start time: 15,941 gpm.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2021-04-14 13:39 (Time Zone: -05:00)

Report Last Signed By

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2021-04-14 13:50 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:
Major:

IL0028380
Yes

Permittee:
Permittee Address:

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

Facility:
Facility Location:

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

Permitted Feature:

B01
External Outfall

Discharge:

B01-0
INTERNAL MIXING CHMBR - E. BR. DUPAGE RVR

Report Dates & Status

Monitoring Period:

From 03/01/21 to 03/31/21

DMR Due Date:

04/25/21

Status:

NetDMR Validated

Considerations for Form Completion

DMF LOAD LIMITS DISPLAYED.

Principal Executive Officer

First Name:
Last Name:

Amy
Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Sample										=	52.5	15 - deg F	0	01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon MO MAX	15 - deg F		01/30 - Monthly	GR - GRAB
					Value NODI															
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample							=	8.3	=	8.0	19 - mg/L	0	03/DW - 3 Days Every Week	GR - GRAB	
					Permit Req.							>=	6.0 MN WK AV	>=	5.0 DAILY MN	19 - mg/L		02/DA - 2 Days Every Week	GR - GRAB	
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.0			=	7.3	12 - SU	0	05/DW - 5 Days Every Week	GR - GRAB	
					Permit Req.					>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		02/DA - 2 Days Every Week	GR - GRAB	
					Value NODI															
00410	Alkalinity, total [as CaCO3]	1 - Effluent Gross	0	--	Sample									=	231.0	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
					Permit Req.										Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	77.85	=	378.73	26 - lb/d		=	0.5	=	2.1	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS	
					Permit Req.	<=	2202.0 MO AVG	<=	4404.0 DAILY MX	26 - lb/d		<=	12.0 MO AVG	<=	24.0 DAILY MX	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample									=	11.6	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
					Permit Req.										Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	187.5	=	468.29	26 - lb/d		=	1.58	=	2.85	19 - mg/L	0	02/DA - 2 Days Every Week	CP - COMPOS	
					Permit Req.	<=	734.0 MO AVG	<=	1468.0 DAILY MX	26 - lb/d		<=	4.0 MO AVG	<=	8.0 DAILY MX	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS	
					Value NODI															
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample									=	2.7	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
					Permit Req.										Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Value NODI															
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample									=	8.9	19 - mg/L	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.										Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CA - CALCTD	
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample									=	2.12	19 - mg/L	0	05/30 - 5 Times Every Month	CP - COMPOS	
					Permit Req.										Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Value NODI															
00666	Phosphorus, dissolved	1 - Effluent Gross	0	--	Sample									=	1.23	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
					Permit Req.										Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Value NODI															
00940	Chloride [as Cl]	1 - Effluent Gross	0	--	Sample									=	333.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req.										Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	14.56	=	23.17	03 - MGD							0	99/99 - Continuous		
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								99/99 - Continuous		
					Value NODI															

50060	Chlorine, total residual	1 - Effluent Gross	1	--	Sample	=		=						=	0.03	19 - mg/L	CL/OC - Chlorination/Occurances	GR - GRAB	
					Permit Req.	<=		<=						<=	0.05 DAILY MX	19 - mg/L	CL/OC - Chlorination/Occurances	GR - GRAB	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	131.75	=	288.55	26 - lb/d			=	1.0	=	1.6	19 - mg/L	04/07 - Four Per Week	CP - COMPOS
					Permit Req.	<=	1835.0 MO AVG	<=	3670.0 DAILY MX	26 - lb/d			<=	10.0 MO AVG	<=	20.0 DAILY MX	19 - mg/L	02/DA - 2 Days Every Week	CP - COMPOS
					Value NODI														
Submission Note																			
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.																			
Edit Check Errors																			
No errors.																			
Comments																			
Attachments																			
No attachments.																			
Report Last Saved By																			
DOWNERS GROVE SANITARY DISTRICT																			
User:		reeseberry																	
Name:		Dorrance Berry																	
E-Mail:		rberry@dgsd.org																	
Date/Time:		2021-04-14 13:43 (Time Zone: -05:00)																	
Report Last Signed By																			
User:		reeseberry																	
Name:		Dorrance Berry																	
E-Mail:		rberry@dgsd.org																	
Date/Time:		2021-04-14 13:50 (Time Zone: -05:00)																	

DMR Copy of Record

Permit

Permit #:
Major:

IL0028380
Yes

Permittee:
Permittee Address:

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

Facility:
Facility Location:

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

Permitted Feature:

C01
External Outfall

Discharge:

C01-0
EXCESS FLOW FROM CLARIFIER #1

Report Dates & Status

Monitoring Period:

From 03/01/21 to 03/31/21

DMR Due Date:

04/25/21

Status:

NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:
Last Name:

Amy
Underwood

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

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

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2021-04-14 13:43 (Time Zone: -05:00)

Report Last Signed By

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2021-04-14 13:50 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

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

Facility Location:5003 WALNUT AVENUE
DOWNERS GROVE, IL 60515

Permitted Feature:INF
Influent Structure

Discharge:INF-L
INFLUENT MONITORING

Report Dates & Status

Monitoring Period:From 03/01/21 to 03/31/21

DMR Due Date:04/25/21

Status:NetDMR Validated

Considerations for Form Completion

CS

Principal Executive Officer

First Name:Amy

Last Name:Underwood

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample							=	148.0			19 - mg/L	0	09/99 - See Permit	CP - COMPOS	
					Permit Req.								Req Mon MO AVG			19 - mg/L		09/99 - See Permit	CP - COMPOS	
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample							=	131.0			19 - mg/L	0	09/99 - See Permit	CP - COMPOS	
					Permit Req.								Req Mon MO AVG			19 - mg/L		09/99 - See Permit	CP - COMPOS	
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample									=	22.3	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
					Permit Req.										Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample									=	5.13	19 - mg/L	0	05/30 - 5 Times Every Month	CP - COMPOS	
					Permit Req.										Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	14.17	=	22.78	03 - MGD							0	99/99 - Continuous		
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								99/99 - Continuous		
					Value NODI															

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2021-04-14 13:44 (Time Zone: -05:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2021-04-14 13:50 (Time Zone: -05:00)

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Amy Underwood, General Manager

FROM: Jeff Barta, Maintenance Supervisor

DATE: April 14, 2021

SUBJECT: March 2021 Maintenance Report

Attached is a work order summary detailing equipment repair and preventive maintenance activities conducted by the maintenance/electrical department and operations during March 2021.

Special projects in March included:

Annual Generator Preventive Maintenance

The proposals for the additional repair items that were brought to my attention by Altorfer during the annual P/M's on a few of the lift station locations are under review. I am currently negotiating the proposals with Altorfer to find ways to group these repairs and reduce the travel and trip charges. With doing so, I anticipate a total cost savings of at least several hundred dollars. After I receive their revised proposals, these additional repairs will be completed in the next few weeks.

Hypochlorite Feed System – Bulk Tank Leak & OSEC Generator Repairs

A leak had occurred on the outlet pipe on the bulk hypochlorite tank that feeds the mix-down pump. This leak could not be resolved and the outlet location on the fiberglass tank had to be abandoned. After the tank was drained and flushed, Repair Service Corp removed the outlet fitting and patched the tank. District staff re-plumbed the hypochlorite feed piping from another port to feed the mix-down pump. Additional piping and pipe support replacement work was also completed.

The OSEC hypochlorite generator annual overhaul was also completed by District staff. All of the electrodes were disassembled, cleaned and inspected. A few cathodes and numerous anode plates required replacement. A new electrode assembly cell tube was fabricated by Chicago Plastics and was also installed. The OSEC generator was tested and put back in operation.

The OSEC hypochlorite generator is almost 15 years old and is nearing the end of its usable/expected life. During the past couple of years we have been experiencing increased component failures, leaking issues on the electrode cells, and repair parts are quickly becoming unavailable or are already obsolete. Our current issue of concern is that we no longer have any spare anode plates. The manufacturer, Evoqua, has not been able to provide us with any options on getting these anodes. The vendor that originally manufactured the anodes for Evoqua has gone out of business. At this point, Evoqua has not been able to find another manufacturer capable, or willing, to make these anode plates.

I believe that we should be able to keep the OSEC generator operational through this disinfection season but beyond this year, its operation is doubtful. The replacement of the OSEC generator was already included in our 5 year budget plan, although with the recent discovery of parts obsolescence, it is likely we are going to have to replace it sooner than anticipated.

Procurements – Breuer Metal Craftsmen

A significant amount of custom fabricated aluminum products was received from Breuer Metal Craftsmen. The total cost of this purchase was \$25,300. This purchase was planned in our FY20-21 budget. The breakdown on this purchase is as follows:

\$2,200: Sand Filter Building – New aluminum safety railing on roof.

\$5,500: Division Box 3 – Replacement staircase and elevated platform aluminum hand railings.

\$6,500: WAS Thickener – New staircase and platform to safely access the thickener equipment.
(This was not included in WAS Thickener construction project last year)

\$11,100: Secondary Clarifiers – Replacement catwalk gratings for Secondary Clarifiers 3, 4, 6 & 7.

The new roof safety railing has already been installed on the Filter building. All of the remaining railings and gratings will be installed by District staff this spring/summer.

Work Order Summary

Work Order Completion Dates from 3/1/2021 to 3/31/2021

Work Assignment	Completion Date	Equipment	NOTATIONS
500 hr. PM Service on JD 331	01-Mar-21	2017 Deere 544K Wheel Loader	
Test and replace all burned out indication bulbs on plant equipment	02-Mar-21	Bar Screen Building Belt Filter Press Building Bisulfite Building Blower Building	
Annual level 2 P/M & Battery replacement.		Butterfield Stationary Generator Centex Stationary Generator CHP Gas Cleaning System	Altorfer Power Systems performed the annual level 2 P/M and replaced the battery.
2000 Hour Grease of the UNISON BLOWER MOTOR		Digester 1 and 2 Control Bldg Digester 3 Control Building Digester 4 - 5 Control Buildg Emergency Generator Building Excess Flow Pump Station Excess Flow Sludge Pump House Filter Building Grit Building Hypochlorite Feed Blg Interm Clarifier Sludge Bldg Microstrainer Building Operations Center Raw Sewage Pump Station Yard Piping - Liquid Treatment	
Pump out old grease line valve vault			
Annual repair and rebuild Auger #4	03-Mar-21	2009 AUGER-DAWG G30A 91093	Replaced hydraulic motor, rebuild support hub and replace wear plate. Replace male and female couplings and pickup replacement parts.
REPLACE OIL ABSORBENT PADS IN GREASE CABINET		Administration Center	
Monthly Liquid Status of Under Ground Diesel Tank		Emerg Gen Diesel Storage Tank	
Exercising of Inf, Eff, Drain and fill valves at Filter Building		Filter 1 Filter 2 Filter 3	

Work Assignment	Completion Date	Equipment	NOTATIONS
		Filter 4	
		Filter 5	
		Filter 6	
2000 Hour Grease of Plant Effluent Pumps		Plant Effluent Water Pump #2	
Annual level 2 P/M.		Portable Generator 200	Altorfer Power Systems performed the annual level 2 P/M on the generator.
		Portable Generator 350	
3 Months Inspection on Electric Carts and Front End Loader	04-Mar-21	2014 Club Car Carry-all #2	
		2016 Club Car Carryall 300	
		2019 Yamaha UMAX 2 AC (#3)	
Change Pre-Filters On Blowers 6, 7, 8, Blow Out Filter.		Aeration Blower 06	
		Aeration Blower 07	
		Aeration Blower 08	
Exercise valves at Belt Press Building		Belt Filter Press	
		Belt Filter Press Building	
		Belt Press Feed Sludge Pits	
		Belt Press Polymer Mix System	
		Belt Press Sludge Conveyor	
		Belt Press Sludge Feed Pump 1	
		Belt Press Washwater System	
Annual level 2 P/M & Replace battery.		Earlston Stationary Generator	Altorfer Power Systems performed the annual level 2 P/M and replace the battery.
Annual level 2 P/M & Replace batteries.		Liberty Park Stationary Genera	
Replace the gear motor assembly on the cross collector that failed.	05-Mar-21	Excess Flow Clarifier 4	Replace the gear motor assembly on the cross collector. Order another unit for stock.
12 Month/10,000 Mile Synthetic Oil Change (2012 Honda Civic #312) Ted	08-Mar-21	2012 Honda Civic CNG	59,375 Miles. Change oil and filter. Use Mobil 1 full synthetic oil. Check air filter and cabin filters. Rotate tires and check air pressure.
12 Month/10,000 Mile Synthetic Oil Change (2016 Ford Focus # 324 Reese		2016 Ford Focus	14,965 miles, change oil and filters using Mobil 1 full synthetic oil. Rotate tires and check pressure.
Cleaning of radiator fins on Unison, Nissen and Tech 3	09-Mar-21	CHP Engine Genset #2	Remove panels and clean radiator fins on Unison chiller. Also check fins on dump radiator and Nissen dump radiator.
		CHP Gas Cleaning System	
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Replace hydraulic cyclinder on belt press	10-Mar-21	Belt Filter Press	Replaced leaking hydraulic steering cyclinder on the belt press.
Refuel stationary generator with		Butterfield Stationary	Refueled generator. Dyed diesel fuel with Winter Additive

Work Assignment	Completion Date	Equipment	NOTATIONS
conditioned diesel.		Generat Centex Stationary Generator College Stationary Generator Earlston Stationary Generator Emergency Generator 1 Emergency Generator 2 Emergency Generator 3	at \$2.58 per gallon.
Run And Inspect Generators With The Load Of The Plant		Gravity Sludge Drying Bed 15 Gravity Sludge Drying Bed 16	
Replace 6" bed valve on beds 15 & 16		Hobson Stationary Generator Liberty Park Stationary Genera Northwest Stationary Generator Venard Stationary Generator Wroble Stationary Generator	Refueled generator. Dyed diesel fuel with Winter Additive at \$2.58 per gallon.
Refuel stationary generator with conditioned diesel.		Exercise Of EBARA and Excess Pumps	
	11-Mar-21	Excess Flow Pump 06 Excess Flow Pump 07 Excess Flow Pump 08 Excess Flow Pump 09 Excess Flow Pump 10 Excess Flow Pump 11 Excess Flow Pump 12 Excess Flow Sludge Pump 1	
6 Month Oil Change On Bearings X'cess Flow Sludge Pump #1& #2 638 Hours. Oil & Filter Change. Oil sample sent to lab.	12-Mar-21	CHP Engine Genset #1 CHP Engine Genset #2 Maintenance Services Building	Changed oil and oil filters. Took oil sample and sent to lab for analysis. Changed oil and oil filters. Took oil sample and sent for lab analysis.
18,469/28,105 Hours. Perform Oil and filter change on engine. SWPP Quarterly inspection		Tunnel From PS to Grit Tunnel/Chan Primary Clarifiers	
Exercise both 24" primary influent ratio valves		Digester 1 Sludge Recirc Pump Digester 1 Sludge Trnsfr Pump Digester 2 Sludge Recirc Pump Digester 2 Sludge Trnsfr Pump Excess Flow Pump	
Semi-Annual Greasing Of Various Equipment	15-Mar-21		

Work Assignment	Completion Date	Equipment	NOTATIONS
Six Month Oil Change Sand Filter's #1 & #2		Station Filter 1 Filter 2	
Semi-Annual Greasing Of Various Equipment		Operations Center Primary Sludge Pump 2 Primary Sludge Pump 3 Primary Sludge Pump 5 Raw Sewage Pump Station	
Six Month Oil Change Sand Filter's #3 & #4	16-Mar-21	Filter 3 Filter 4	
EXERCISE RAW SEWAGE PUMP INTAKE AND DISCHARGE	17-Mar-21	Raw Sewage Pump 1 Raw Sewage Pump 2 Raw Sewage Pump 3 Raw Sewage Pump 4 Raw Sewage Pump 5	
Clean Office Roof Of All Debris	18-Mar-21	Administration Center	
Install new upgraded safety switch on grinder access cover.		Grease Grinder - West	Remove old safety switch assembly, install new upgraded safety switch kit, test operation.
4 MONTH GREASING FITTINGS ON GRIT CONVEYORS		Grit Conveyor System	
Turn on and run Chlorine Contact Tank sweep arm	19-Mar-21	Chlorine Contact Tank	
Operate Relief Valves On Heat Exchangers And Boilers		Digester 1 Heat Exchanger Digester 2 Heat Exchanger Digester 3 Heat Exchanger Digester 4 Heat Exchanger Digester 5 Heat Exchanger Excess Flow Pump Station	
3 Month Grease- Secondaries 1 &		Secondary Clarifier 1 Secondary Clarifier 2	
5-Ton (East Lab) Geothermal unit compressor replacement	21-Mar-21	Laboratory	A-Formula evacuated the reffridgerant, flushed the lines, replaced the compressor, install new dryer,vacuum test and charge with refrigerant. (compressor was under warranty, labor was not)
Safety lane Vehicle 304- 2020 FORD F350 Bio-Truck	22-Mar-21	2020 F350 4x4	
Six Month Oil Change Sand Filter's #5 & #6		Filter 5 Filter 6	
Remove and Replace skid steer	23-Mar-21	2019 Skid Steer	

Work Assignment	Completion Date	Equipment	NOTATIONS
tires			
Flush Pearth 2 with 3 oz of Kerosene/Oil mixture		Digester 2 Mixing System	
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Dead tree removal at various locations.		WWTC Landscaping	Undercutters Tree Service removed 4 dead trees and 3 crab apple trees. Complete removal including stump grinding.
Semi-Annual Greasing Of Various Equipment	24-Mar-21	Chlorine Contact Tank	
		Digester 3	
		Digester 5	
Run And Inspect Generators With The Load Of The Plant		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Semi-Annual Greasing Of Various Equipment		Excess Flow Clarifier 1	
		Excess Flow Clarifier 2	
		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	
		Hypo Effluent Booster Pump 1	
		Hypo Effluent Booster Pump 2	
		Hypo Effluent Booster Pump 3	
		Intermediate Clarifier 1	
		Intermediate Clarifier 2	
		Intermediate Clarifier 3	
Exercising of secondaries 1 and 2 influent gates		Secondary Clarifier 1	
		Secondary Clarifier 2	
	25-Mar-21	2016 Ford Focus	
EXCESS 003- Exercise 30" and 24" DEZURIK Valves		Excess Flow 003 Valves	
Clean and overhaul OSEC. Replace leaking tube with new.		Hypochlorite OSEC Generator	Overhaul of OSEC including full cleaning, replacement of damaged anode and cathode plates, replacement of leaking tube, pipe modification and gasket replacement. Replace bottom tube that was broken during reassembly with new.
500 Hour Oil Change on Pearth 4	26-Mar-21	Digester 4 Mixing System	
Abandon & patch 3/4" outlet pipe feeding bulk mixdown pump.	30-Mar-21	Hypochlorite Storage Tanks	Re-plumb to abandon the existing 3/4" feed into the mixdown pump. Replace all unistrut supports at the tank with stainless. Repair Service Corp cut out & patched the leaking 3/4" pipe at the bottom of the tank.
Exercise Ratio Valve #2		Tunnel - System 2 RAS	
Test for H2S at Unison Gas skid	31-Mar-21	CHP Gas Cleaning System	
2 MONTH EXERCISE OF W.A.S. MOYNO PUMPS 1 AND 3		Conc Tank Moyno Sludge Pump 1	
		Conc Tank Moyno	

Work Assignment	Completion Date	Equipment	NOTATIONS
Semi-Annual Oil Change Gear Reducer PEARTH Units #2		Sludge Pump 3	
Qt. Valves and Gates Excercise		Digester 2 Mixing System	
Exercising of Raw and Excess Influent valves		Excess Flow 003 Valves	
Replace Wiper Grit Conveyors 1-2		Excess Flow Pump Station	
Exercising of Raw and Excess Influent valves		Grit Conveyor System	
		Raw Sewage Pump Station	

DOWNERS GROVE SANITARY DISTRICT
M E M O

DATE: April 6, 2021

TO: Amy Underwood
General Manager

FROM: Robert Swirsky
Sewer System Maintenance Supervisor

RE: Monthly Report –March, 2021

1.	JULIE Line Markings:	Current	Year to Date
	Received	1143	1844
	In District	1066	1685
	Marked	219	461
	Man Hours	90	201
2.	Building Service:	Current	Year to Date
a.	BSSRAP TV Inspections	23	61
b.	Emergency BSSRAP Repairs	15	36
c.	Total BSSRAP Repairs	17	46
d.	I&I inspections	00	00
e.	I&I C.O. installation	00	00
f.	Replace broken cleanout caps	00	01
g.	OHSP TV Inspections	01	04
h.	Post Rodding TV	07	14
3.	Sewer backups:	Current	Year to Date
a.	Public sewer	01	4
b.	Private sewer	23	61
c.	Surcharged main	00	0
d.	Pump station	00	0
	Total	24	65
		Current	Year to Date
4.	Sewer Cleaning (DGSD personnel):	26,418	26,697 Ft.
	a. Sewer Cleaning (outside contractors):	0	0Ft.
5.	Main Sewer Televising (DGSD personnel):	1,224	7,735 Ft.
	a. Sewer Televising (outside contractors):	0	0Ft.
6.	LETS TV	1	1
7.	Manhole inspections	0	0

8. Sewer and manhole repairs and replacements by Uno Construction:
Re-set the frame on Manhole NW-000-PS

9. Miscellaneous: (sewer system personnel)
 - a. Upload Flow-Meters.
 - b. Dye test a sink hole – Prairie Ave.

CC: WDVb, AES, PWC, RTJ, KJR, MS, WCC, MCW

DOWNERS GROVE SANITARY DISTRICT
M E M O

DATE: April 13, 2021

TO: Amy R. Underwood
General Manager

FROM: Keith Shaffner
Sewer Construction Supervisor

RE: Monthly Report: Sewer Construction \ Code Enforcement – March 2021

- | 1. | Permits issued: | Current | Year to Date |
|----|-----------------|----------|--------------|
| a. | Single family | 10 | 20 |
| b. | Multiple family | 1 | 1 |
| c. | Commercial | 0 | 0 |
| d. | Repair | 1 | 4 |
| e. | Disconnection | <u>2</u> | <u>8</u> |
| | Total | 14 | 33 |
-
- | 2. | Inspections made: | Current | Year to Date |
|----|------------------------|-----------|--------------|
| a. | Connections | 5 | 15 |
| b. | Finals | 5 | 8 |
| c. | Repairs | 4 | 7 |
| d. | Disconnects | 4 | 11 |
| e. | Groundwork | 0 | 1 |
| f. | Walk-Thru | 0 | 0 |
| g. | Pre-connections | 0 | 1 |
| h. | Overhead Sewer Program | 0 | 1 |
| i. | Code Enforcement | 4 | 6 |
| j. | Lateral testing | <u>12</u> | <u>20</u> |
| | Total | 34 | 70 |
-
3. New Sewer Extension Construction:
- a. None
-
4. New Sewer Extension Testing - air, deflection, manhole, and televising:
- a. None
-
5. Code Enforcement:
- a. 240 S. Washington – Check status of construction on site.
- b. 55th Street - DuPage County paving repair items.
- c. 49 James – Sewer Work JULIE called in with no permit.

6. Plan & Permit Reviews:

- a. 4819 Prospect – Single Family Home Review
- b. 4500 Linscott – Single Family Home Review
- c. 4026 Earlston – Single Family Home Review
- d. 3850 Douglas – Single Family Home Review
- e. 530 41st – Single Family Home Review
- f. 5738 Nelson – Single Family Home Review
- g. 4513 Wilson – Single Family Home Review
- h. 5702 Lyman – Single Family Home Review
- i. 5742 Nelson – Single Family Home Review
- j. 110 S Adam – Single Family Repair and Lining Review
- k. 1111 Ogden – Commercial Mixed Retail Review
- l. 5117 Fairview – Multi Family Review

7. Building Sanitary Service Access Agreements:

- a. 4819 Prospect – Downers Grove
- b. 4743 Oakwood – Downers Grove
- c. 1815 Maple – Downers Grove
- d. 4500 Linscott – Downers Grove
- e. 3850 Douglas – Downers Grove
- f. 530 41st – Downers Grove
- g. 5702 Lyman – Downers Grove

8. Illinois EPA Permits:

- a. None

9. Waste Hauling Permits Issued:

None

10. Miscellaneous:

- a. Covid-19 pandemic - The Code Enforcement Department has continued to function at a high level of service. Inspector Danny Jasso and Oscar Avila have been working in the field using safe social distancing and personal protective equipment as necessary to complete their inspections. I have been working from home and coming into the Administration Center as necessary.
- b. Oscar Avila has been working in the Permit Tech. position for over a month now and is doing very well. He has shown an eagerness to serve the District and learn all of the skills needed to succeed in his role.

Permits Issued: MARCH 2021

YEAR	PERMIT #	ADDRESS	STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2021	23	1108	ADELIA	DG	3/3/2021	SF-RB		\$223.00
2021	29	530	41ST	DG	3/15/2021	SF	\$3,248.00	\$223.00
2021	24	4743	OAKWOOD	DG	3/17/2021	SF-RB		\$223.00
2021	26	4819	PROSPECT	DG	3/18/2021	SF-RB		\$223.00
2021	35	3850	DOUGLAS	DG	3/22/2021	DISCON		
2021	37	3850	DOUGLAS	DG	3/22/2021	SF-RB		\$223.00
2021	32	5702	LYMAN	DG	3/22/2021	SF-RB		\$223.00
2021	27	4500	LINSCOTT	DG	3/23/2021	SF-RB		\$223.00
2021	30	5738	NELSON	DG	3/23/2021	SF	\$3,248.00	\$223.00
2021	31	5742	NELSON	DG	3/23/2021	SF	\$3,248.00	\$223.00
2021	38	110 S	ADAMS	W	3/26/2021	REPAIR		
2021	22	1815	MAPLE	DG	3/29/2021	SF	\$3,248.00	\$223.00
2021	39	5117	FAIRVIEW	DG	3/31/2021	MULTI	\$45,502.00	\$369.00
2021	43	5117	FAIRVIEW	DG	3/31/2021	DISCON		
TOTAL:							\$58,494.00	\$2,599.00

Permit Final Inspections: MARCH 2021

YEAR	PERMIT #	ADDRESS	STREET	CITY	FINAL
2020	17	538	GRANT	DG	3/2/2021
2020	23	5801	WASHINGTON	DG	3/9/2021
2019	141	540	PRAIRIE	DG	3/12/2021
2019	172	303	W OGDEN	W	3/17/2021
2019	148	5328	GRAND	DG	3/31/2021

Progress Report

To: Amy Underwood, General Manager
From: Reese Berry, Laboratory Supervisor
Date: April 15, 2021
Re: March 2021 Laboratory Report

We had 2 excess events in the month of March. 1 event was carryover from February due to snow melt and the second event was due to rain. We had no permit excursions in March.

Biosolids:

We analyzed biosolids during the month of March, all data is well below acceptable limits for our class A program.

Procurement:

We received the new spectrophotometer, but are awaiting a back ordered part for the low level TRC (Total Residual Chlorine) analysis. We plan to setup and start using this equipment during April.

Personnel:

We had a fully staffed lab for the first 2 weeks of March, then transitioned back to split Covid19 scheduling.

Pretreatment:

We are planning our sampling schedule for the January to June monitoring period for our industrial customers. We have until June 30th to complete the sampling of our users, but we'd like to complete it prior to the end of the monitoring period in case any issues arise.

C: WDVb, AES, PWC, KJR, RTJ, MJS, WCC, MGP

To: Amy Underwood, General Manager
From: Alex Bielawa, Staff Engineer
Re: Engineering Report for the Month March, 2021
Date: April 14, 2021

I. Planning Projects & Studies

A. Flow Monitoring

Data collection for Cycle E is ongoing.

B. Composting Pilot

The pilot has ended. The District is coordinating with Sustainable Generation for equipment pick-up as well as the final pilot performance report.

C. SWMM Modeling

Baxter & Woodman has modeled the potential impacts of the proposed downtown development to see how wet weather flows impact the system. A will serve letter has been sent to the developer.

D. Sewer Televising

Specifications have been prepared for this year's sewer televising contract. The project has been advertised and bids will be opened in May.

II. Design Projects

A. Centex Lift Station Replacement

Baxter & Woodman is currently designing the Lift Station. The project is scheduled to go out for bid this summer.

B. Outfall 001 Sanitary Sewer Repair

A section of the 001 Discharge Sanitary Sewer that carries our treated Effluent from the Treatment Center to the East Branch of the DuPage River is sagged. The project was bid

but not awarded last year; Baxter & Woodman is currently working on editing the plans and specifications in anticipation of rebidding the project this year.

C. 1K-028 Basin Rehabilitation – Phase 3

Baxter & Woodman has prepared Plans and Specifications for continued work in the 1K-028 basin. This project has been advertised and bids will be opened in May 2021.

C: WDVb, AES, PWC, KJR, RTJ, MJS, WCC, MGP

Downers Grove Sanitary District



Client Manager:

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

Project Status Report Issued On: 3/24/2021

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	3/18/2021
Nutrient Study RAS Denit Job Number: [120501.33]	Derek Wold 815-444-3335 dwold@baxterwoodman.com	12/31/2020	No work during current period.	Evaluation of scenarios as requested by District.	Results after reinstating ATs 1-3.	3/17/2021
Sanitary Replacements - 1K-028 Flow Basin Rehab Phase 2 Job Number: [150980.42]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	6/30/2021	Prepare Drawings. Prepare Project Manual. Perform JULIE Design Locate. Review geotechnical report. Prepare permit applications.	Prepare Drawings. Prepare Project Manual. Perform JULIE Design Locate. Coordinate geotechnical services. Prepare permit applications.	None.	3/18/2021
Outfall Sewer Sag Repair Job Number: [180237.40]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	12/31/2019	Discuss additional geotechnical borings. Discuss project schedule. Attend progress meeting. Discuss and evaluate new information on sag location and limits. Respond to District comments on plans and specs.	Revise project manual. Revise drawings. Submit for revised DuPage County permit. Advertise project. Obtain refund for \$800 BNSF Permit Fee.	Determine limits of outfall sag.	3/18/2021
Centex Lift Station Design Job Number: [181059.40]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	5/31/2021	Perform JULIE Design Locate. Review geotechnical report Prepare preliminary drawings. Prepare pump station hydraulics and coordinate pump selection.	Prepare detailed design drawings. Prepare structural design. Prepare electrical design. Prepare integration design. Prepare project manual. Attend progress meeting. Prepare permit applications.	None.	3/18/2021

Project Title/Job	Project Manager	Completion Date	Tasks Completed This Period	Tasks Pending This Period	Items Waiting On Client	Status Date
CHP No. 1 Design Build Job Number: [200328.50]	Eider Alvarez-Puras 815-444-3276 ealvarez- puras@baxterwoodman.com	3/30/2021	Completed construction inspections. Completed commissioning of the equipment and staff training. Achieved substantial completion. Held weekly commissioning meetings and weekly punchlist progress meetings. Completed punchlist items. Approved O&M.	Deliver O&M and As-Built to District. Held final progress meeting.	None.	3/18/2021
Sludge Storage Building Job Number: [200381.40]	Chuck Brunner 815-444-3210 cbrunner@baxterwoodman.com	4/1/2021	None	None	Project construction postponed until 2021. Pending client review comments on preliminary design and determination of acceptable location for contractor material storage and staging area.	3/18/2021
Sherman Street Sanitary Sewer Replacement Job Number: [200411.40]	Ray Koenig 815-444-3325 rkoenig@baxterwoodman.com	12/31/2020	Record Drawing coordination	Complete record drawings.	None.	3/18/2021
2021 Miscellaneous Engineering Services Job Number: [210020.00]	Derek Wold 815-444-3335 dwold@baxterwoodman.com	12/31/2021	Updated downtown capacity analysis for proposed redevelopment.	Assistance as requested.	None.	3/17/2021

Downers Grove Sanitary District I&I Removal Target Area 1K-028 Parcel Status



STATUS OF 1K-028 INSPECTIONS AND AGREEMENT ACQUISITIONS

Category	Inspections Scheduled	Inspections Completed	Application Received	Agreements Signed	Cleanout Installed	Service Rehab Done	Totals	Total as Percentage
1A	Y	Y	N	Y	Y	N/A	19	8%
1B	Y	Y	N	N	N	N/A	1	0%
2A	Y	Y	Y	Y	Y	N	81	36%
2B	Y	Y	Y	Y	Y	N	17	7%
2D	Y	Y	Y	N	N	N	3	1%
3A	Y	Y	Y	Y	N	N	4	2%
4	Y	Y	N	N	N	N	38	17%
4A	N	N	N	N	N/A	N	4	2%
5	Y	N	N	N	N	N	0	0%
5A	Y	Y	N	N	N	N	12	5%
5AX	Y	Y	N	N	N	N	0	0%
5B	Y	N	N	N	N	N	12	5%
5BX	Y	N	N	N	N	N	1	0%
0	N	N	N	N	N	N	30	13%
X	-	-	-	-	-	-	5	2%
5X	-	-	-	-	-	-	1	0%

Category Description:

- 1A - PVC service with cleanout(may need to be sealed at the main)
- 1B - All PVC no Cleanout
- 2A - Cleanout installed, ready for rehab
- 2B - Ready for rehab
- 2D - BSSRAP/OHSP TV done
- 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
- X - Demolished
- 5X - Inspection done - Violation not corrected

228 100%

11% Complete

2015 Basin I&I Ranking = 1
2016 Basin I&I Ranking = 27
2018 Basin I&I Ranking = 6
2019 Basin I&I Ranking = 20
2020 Basin I&I Ranking = 15

Combined pit violations found and corrected to date - 0
Storm pit violations found and corrected to date - 2

DOWNERS GROVE SANITARY DISTRICT CASH BALANCES AND INVESTMENT SCHEDULE

DATE 3/31/2021

CASH BALANCES

			PREVIOUS MONTH		
ACCOUNT NAME		ACCOUNT NUMBER	BALANCE PER BANK STATEMENT	TOTAL BALANCE PER BANK STATEMENTS	MONTHLY EARNINGS CREDIT EARNINGS CREDIT PERCENTAGE
DEPOSIT		XXXXXXXXXX1116	\$964,129.22		
DISBURSEMENT		XXXXXXXXXX1111	319,019.40		
FLEXIBLE BENEFITS		XXXXXXXXXX6025	5,020.85		
PAYROLL		XXXXXXXXXX1117	149,455.03		
PETTY CASH		XXXXXXXXXX1112	3,700.00		
USER REFUNDS		XXXXXXXXXX1114	4,878.09		
TOTAL - CASH AT BANK			\$1,446,202.59	\$1,339,285.66	\$149.00 0.0111%

INVESTMENTS

TYPE	FINANCIAL INSTITUTION	TERM	MATURITY	AMOUNT	ANNUAL INT. RATE	GENERAL CORPORATE FUND (01)	IMPROVEMENT FUND (02)	CONSTRUCTION FUND (03)	PUBLIC BENEFIT FUND (05)	SEWER EXTENSION FUND (71)	INTEREST EARNED AT MATURITY
CD	TRISTATE CAPITAL	12 MOS	4/9/2021	\$249,990.00	1.100%		\$249,990.00				\$2,749.89
CD	ROYAL SAVINGS BANK	13 MOS	7/2/2021	\$250,000.00	0.850%	\$100,000.00	\$150,000.00				\$2,302.08
CD	BMO HARRIS BANK	12 MOS	12/17/2021	\$250,000.00	0.300%	\$250,000.00					\$750.00
CD	FIRST MIDWEST BANK	13 MOS	4/7/2022	\$250,000.00	0.150%	\$207,719.45	\$0.00		\$35,260.73	\$7,019.82	\$406.25
TOTAL CDs				\$999,990.00	0.621%	\$557,719.45	\$399,990.00	\$0.00	\$35,260.73	\$7,019.82	\$6,208.22

TYPE	FINANCIAL INSTITUTION	TERM	LAST ACTION DATE	AMOUNT*	CURRENT RATE OF RETURN						ESTIMATED ANNUAL RETURN
MM	AXOS BANK	ONGOING	10/30/2020	\$249,192.38	0.500%	\$249,192.38					\$1,245.96
MM	BANKFINANCIAL	ONGOING	3/13/2013	\$15,558.88	0.150%	\$15,558.88					\$23.34
MM	ONE WEST BANK	ONGOING	11/9/2016	\$5,000.00	0.050%	\$5,000.00					\$2.50
MM	EVERGREEN BANK GROUP	ONGOING	2/23/2021	\$250,023.97	0.200%	\$250,023.97					\$0.00
MM	LIMESTONE BANK	ONGOING	1/25/2021	\$250,021.29	0.300%	\$250,021.29					\$750.06
MM	LISLE SAVINGS BANK	ONGOING	11/10/2020	\$250,009.92	0.400%	\$250,009.92					\$1,000.04
MM	LUANA SAVINGS BANK	ONGOING	10/29/2020	\$250,122.69	0.600%	\$250,122.69					\$1,500.74
MM	ROYAL SAVINGS BANK	ONGOING	12/4/2012	\$154.48	0.000%	\$154.48					\$0.00
MM	STEARNS BANK	ONGOING	9/1/2015	\$250,000.00	0.500%	\$250,000.00					\$1,250.00
MM	TRISTATE CAPITAL BANK	ONGOING	11/9/2016	\$10.00	0.000%		\$10.00				\$0.00
MM	WEST SUBURBAN BANK	ONGOING	11/20/2012	\$5,144.09	0.000%		\$5,144.09				\$0.00
TOTAL MM ACCOUNTS				\$1,525,237.70	0.378%	\$1,520,083.61	\$5,154.09	\$0.00	\$0.00	\$0.00	\$5,772.64
ILLINOIS FUNDS - MONEY MARKET				\$2,825,633.95	0.060%	\$1,405,925.00	\$607,499.11	\$812,209.84	\$0.00	\$0.00	\$1,695.38
TOTAL - ALL INVESTMENTS				\$5,350,861.65	0.256%	\$3,483,728.06	\$1,012,643.20	\$812,209.84	\$35,260.73	\$7,019.82	\$13,676.24

TOTAL CASH AND INVESTMENTS \$6,797,064.24

*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
Paul W. Coultrap
Clerk



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

General Manager
Amy R. Underwood

Legal Counsel
Michael G. Philipp

Providing a Better Environment for South Central DuPage County

Memo

To: Board of Trustees
From: Amy R. Underwood, General Manager
Date: April 16, 2021
Subject: Treasurer's Report for March 2021

Attached please find the subject report that tracks income and expenses through the eleventh month of Fiscal Year 20-21.

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

Year-to-date	Income	Expense
General Fund	\$ 8,818,575.31 (page 1)	\$ 8,714,089.60 (page 6)
Improvement Fund	\$ 96,977.42 (page 7)	\$ 59,990.52 (page 7)
Construction Fund	\$ 213,030.27 (page 8)	\$ 14,403.64 (page 9)
Public Benefit Fund	\$ 475.17 (page 10)	\$ 0.00 (page 10)
TOTAL	\$ 9,129,058.17	\$ 8,788,483.76

C: BOLI, WCC, MGP

=====

Fund number & Description	Ending Fund Balance

Fund 01 : GENERAL FUND	\$4,342,393.78
Fund 02 : IMPROVEMENT FUND	\$1,176,182.90
Fund 03 : CONSTRUCTION FUND	\$1,231,536.39
Fund 05 : PUBLIC BENEFIT FUND	\$37,800.15
Recap Totals	<hr/> \$6,787,913.22

TREASURER'S REPORT

DATE 04/06/21 MONTH ENDED 03/31/21 PAGE 1
FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
DEPT 05	REVENUES								
3000	PROPERTY TAXES		.00	0	1,255,377.56-	1,254,500-	877.56-	.1	1,254,500-
3001	USER RECEIPTS		308,973.67-	319,218-	3,075,931.59-	3,200,802-	124,870.41	3.9-	3,451,000-
3002	SURCHARGES		32,983.26-	31,250-	292,229.11-	343,750-	51,520.89	15.0-	375,000-
3004	PLAN REVIEW FEES		.00	0	229.95-	2,000-	1,770.05	88.5-	2,000-
3005	CONSTRUCTION INSPECTION FEES		.00	0	.00	500-	500.00	100.0-	500-
3006	PERMIT INSPECTION FEES		2,007.00-	1,833-	15,071.00-	20,163-	5,092.00	25.3-	22,000-
3007	INTEREST ON INVESTMENTS		390.76-	3,167-	20,122.52-	34,837-	14,714.48	42.2-	38,000-
3013	SAMPLING AND MONITORING		10,653.46-	6,042-	97,200.52-	66,458-	30,742.52-	46.3	72,500-
3014	REPLACEMENT TAXES		5,208.64-	4,000-	68,142.31-	59,200-	8,942.31-	15.1	75,000-
3015	MISCELLANEOUS INCOME		774.65-	833-	31,930.26-	9,163-	22,767.26-	248.5	10,000-
3021	TELEVISION INSPECTION		.00	0	.00	150-	150.00	100.0-	150-
3023	PROPERTY LEASE PAYMENTS		2,901.80-	2,904-	31,804.70-	31,944-	139.30	.4-	34,850-
3024	MONTHLY SERVICE FEES		392,761.73-	383,234-	3,802,171.24-	3,778,774-	23,397.24-	.6	4,120,800-
3027	GREASE WASTE		4,189.65-	16,667-	128,364.55-	183,337-	54,972.45	30.0-	200,000-
3040	RENEWABLE ENERGY CREDITS		.00	0	.00	2,250-	2,250.00	100.0-	3,000-
=====									
DEPT 05 TOTALS			760,844.62-	769,148-	8,818,575.31-	8,987,828-	169,252.69	1.9-	9,659,300-
=====									
FUND REVENUE TOTAL			760,844.62-	769,148-	8,818,575.31-	8,987,828-	169,252.69	1.9-	9,659,300-
=====									
DEPT 11	O & M EXPENSES - ADMINISTRATION								
SECT A	SALARIES AND WAGES								
A001	TRUSTEES		.00	0	18,000.00	18,000	.00	.0	18,000
A002	BOLI		.00	0	.00	900	900.00-	100.0-	900
A003	GENERAL MANAGEMENT		21,325.01	19,536	223,236.59	234,432	11,195.41-	4.8-	244,200
A004	FINANCIAL RECORDS		14,878.57	15,552	183,255.80	186,624	3,368.20-	1.8-	194,400
A005	ADMINISTRATIVE RECORDS		2,006.40	2,024	23,106.38	24,288	1,181.62-	4.9-	25,300
A006	ENGINEERING		211.28	988	4,502.92	11,856	7,353.08-	62.0-	12,350
A007	CODE ENFORCEMENT		26,006.88	29,792	340,540.35	357,504	16,963.65-	4.8-	372,400
A008	SAFETY ACTIVITIES		2,634.07	2,614	25,330.39	21,360	3,970.39	18.6	22,250
A030	BUILDING AND GROUNDS		.00	176	872.32	1,440	567.68-	39.4-	1,500
A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE		350.00	0	4,125.00	0	4,125.00	.0	0
=====									
SECT A TOTALS			67,412.21	70,682	822,969.75	856,404	33,434.25-	3.9-	891,300
=====									
SECT B	OPERATIONS AND MAINTENANCE								
B100	ELECTRICITY		126.77	200	3,142.65	3,750	607.35-	16.2-	4,000
B101	NATURAL GAS		108.02	350	734.66	2,800	2,065.34-	73.8-	3,000
B102	WATER, GARBAGE AND OTHER UTILITIES		24.99	190	767.38	1,200	432.62-	36.1-	1,200
B110	BANK CHARGES		1,663.31	1,500	18,663.09	16,500	2,163.09	13.1	18,000
B112	COMMUNICATION		2,497.17	1,608	19,864.50	17,688	2,176.50	12.3	19,300
B113	EMERGENCY/SAFETY EQUIPMENT		3,395.29	3,500	22,654.78	38,500	15,845.22-	41.2-	42,000
B115	EQUIPMENT/EQUIPMENT REPAIR		20,548.30	6,000	77,794.95	87,000	9,205.05-	10.6-	93,000
B116	SUPPLIES		303.32	625	2,554.51	6,875	4,320.49-	62.8-	7,500
B117	EMPLOYEE/DUTY COSTS		719.49	1,667	4,519.70	18,337	13,817.30-	75.4-	20,000
B118	BUILDING AND GROUNDS		1,426.29	1,000	20,517.69	33,000	12,482.31-	37.8-	34,000

TREASURER'S REPORT

DATE 04/06/21

MONTH ENDED 03/31/21

PAGE 2

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B119	POSTAGE		.00	792	2,279.99	8,712	6,432.01-	73.8-	9,500
B120	PRINTING/PHOTOGRAPHY		164.14	300	7,124.86	11,700	4,575.14-	39.1-	12,000
B121	USER BILLING MATERIALS		3,878.29	6,333	59,169.12	69,663	10,493.88-	15.1-	76,000
B124	CONTRACT SERVICES		4,513.24	8,500	42,825.99	93,500	50,674.01-	54.2-	102,000
B137	MEMBERSHIPS/SUBSCRIPTIONS		230.00	620	7,072.00	10,890	3,818.00-	35.1-	11,100
=====									
SECT B TOTALS			39,598.62	33,185	289,685.87	420,115	130,429.13-	31.1-	452,600
=====									
SECT C VEHICLES									
C222	GAS/FUEL		55.23	175	299.34	1,825	1,525.66-	83.6-	2,000
C225	OPERATION/REPAIR		.00	0	373.66	2,600	2,226.34-	85.6-	2,600
=====									
SECT C TOTALS			55.23	175	673.00	4,425	3,752.00-	84.8-	4,600
=====									
DEPT 11 TOTALS			107,066.06	104,042	1,113,328.62	1,280,944	167,615.38-	13.1-	1,348,500
=====									
DEPT 12 O & M EXPENSES - WWTC									
=====									
SECT A SALARIES AND WAGES									
A006	ENGINEERING		3,618.17	2,920	43,267.10	35,040	8,227.10	23.5	36,500
A009	OPERATIONS MANAGEMENT		8,748.48	8,328	91,865.94	99,936	8,070.06-	8.1-	104,100
A010	MAINTENANCE - BUDGET		.00	42,404	.00	508,848	23,777.75-	4.7-	530,050
A011	MAINTENANCE - WWTC		31,338.91	0	318,590.70	0	.00	.0	0
A012	MAINTENANCE - VEHICLES		.00	0	1,446.37	0	.00	.0	0
A013	MAINTENANCE - ENERGY RECOVERY		445.16	0	5,734.82	0	.00	.0	0
A014	MAINTENANCE - ELECTRICAL		8,401.87	0	159,298.36	0	.00	.0	0
A020	WWTC - BUDGET		.00	46,112	.00	553,344	1,560.08-	.3-	576,400
A021	WWTC - OPERATIONS		31,099.99	0	356,021.21	0	.00	.0	0
A022	WWTC - SLUDGE HANDLING		6,802.13	0	188,831.77	0	.00	.0	0
A023	WWTC - ENERGY RECOVERY		519.97	0	6,930.94	0	.00	.0	0
A030	BUILDING AND GROUNDS		12,749.92	10,988	97,486.56	131,856	34,369.44-	26.1-	137,350
A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE		25.00	0	262.50	0	262.50	.0	0
=====									
SECT A TOTALS			103,749.60	110,752	1,269,736.27	1,329,024	59,287.73-	4.5-	1,384,400
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		4,448.32	9,000	99,280.16	100,000	719.84-	.7-	109,000
B101	NATURAL GAS		632.53	1,300	3,998.87	9,200	5,201.13-	56.5-	10,000
B102	WATER, GARBAGE AND OTHER UTILITIES		1,692.28	4,750	22,512.95	35,100	12,587.05-	35.9-	36,000
B103	ODOR CONTROL		.00	200	1,806.00	3,700	1,894.00-	51.2-	4,000
B104	FUEL - GENERATORS		.00	0	473.12	14,000	13,526.88-	96.6-	14,000
B112	COMMUNICATION		2,551.01	1,667	16,602.54	18,337	1,734.46-	9.5-	20,000
B113	EMERGENCY/SAFETY EQUIPMENT		382.98	792	8,379.90	8,712	332.10-	3.8-	9,500
B116	SUPPLIES		3,074.85	2,692	22,677.00	29,612	6,935.00-	23.4-	32,300
B117	EMPLOYEE/DUTY COSTS		940.79	2,000	10,672.25	25,000	14,327.75-	57.3-	26,000
B124	CONTRACT SERVICES		.00	0	209,816.00	209,800	16.00	.0	209,800
B130	NPDES PERMIT FEES		.00	0	53,000.00	53,000	.00	.0	53,000
B131	SLUDGE HAULING/DISPOSAL SERVICES		.00	0	78,671.25	80,000	1,328.75-	1.7-	80,000
B400	CHEMICALS - BUDGET		.00	10,054	.00	110,594	10,805.85-	9.8-	120,650

TREASURER'S REPORT

DATE 04/06/21

MONTH ENDED 03/31/21

PAGE 3

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B401	CHEMICALS - DISINFECTION		4,039.20	0	39,966.67	0	.00	.0	0
B402	CHEMICALS - SLUDGE DEWATERING		5,922.54	0	36,348.90	0	.00	.0	0
B404	CHEMICALS - OTHER		467.00	0	23,472.58	0	.00	.0	0
B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS		4,755.12	2,050	141,577.59	214,050	72,472.41-	33.9-	216,126
B502	EQPT/EQPT REPAIR - DISINFECTION		1,718.65	1,293	25,966.91	22,223	3,743.91	16.9	23,511
B503	EQPT/EQPT REPAIR - EXCESS FLOW		.00	707	56,359.09	22,777	33,582.09	147.4	23,487
B504	EQPT/EQPT REPAIR - GRIT REMOVAL		2,746.62	884	7,469.83	37,974	30,504.17-	80.3-	38,859
B505	EQPT/EQPT REPAIR - INFLUENT PUMPING		.00	3,094	766.15	40,034	39,267.85-	98.1-	43,132
B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT		9,000.85	2,210	17,200.72	48,810	31,609.28-	64.8-	51,020
B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT		2,805.19	3,315	98,270.75	137,965	39,694.25-	28.8-	141,276
B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION		165.00	0	458,456.66	504,244	45,787.34-	9.1-	504,244
B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING		.00	101,369	20,983.44	585,758	564,774.56-	96.4-	687,168
B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION		168.87	18,625	58,602.74	96,375	37,772.26-	39.2-	99,997
B511	EQPT/EQPT REPAIR - TERTIARY TREATMENT		.00	1,326	2,811.95	27,086	24,274.05-	89.6-	28,414
B512	EQPT/EQPT REPAIR - WWTC GENERAL		529.92-	1,043	23,145.61	33,976	10,830.39-	31.9-	35,010
B513	EQPT/EQPT REPAIR - WWTC UTILITIES		226,471.82	35,400	1,175,629.65	785,250	390,379.65	49.7	795,606
B801	BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOS		.00	292	.00	3,212	3,212.00-	100.0-	3,500
B802	BLDG AND GROUNDS - DISINFECTION		11,200.00	100	27,241.80	29,650	2,408.20-	8.1-	29,811
B803	BLDG AND GROUNDS - EXCESS FLOW		.00	0	8,937.88	3,560	5,377.88	151.1	3,560
B804	BLDG AND GROUNDS - GRIT REMOVAL		.00	88	97.68	968	870.32-	89.9-	1,061
B805	BLDG AND GROUNDS - INFLUENT PUMPING		.00	664	1,292.00	7,304	6,012.00-	82.3-	7,963
B806	BLDG AND GROUNDS - PRIMARY TREATMENT		.00	442	.00	4,862	4,862.00-	100.0-	5,305
B807	BLDG AND GROUNDS - SECONDARY TREATMENT		.00	88	.00	968	968.00-	100.0-	1,061
B809	BLDG AND GROUNDS - SLUDGE DEWATERING		.00	715	14.71	14,865	14,850.29-	99.9-	15,561
B810	BLDG AND GROUNDS - SLUDGE DIGESTION		249.39	310	2,754.23	23,410	20,655.77-	88.2-	23,713
B811	BLDG AND GROUNDS - TERTIARY TREATMENT		2,350.52	567	13,805.44	6,237	7,568.44	121.4	6,805
B812	BLDG AND GROUNDS - WWTC GENERAL		36,899.58	2,470	169,115.56	199,560	30,444.44-	15.3-	202,019
B813	BLDG AND GROUNDS - WWTC UTILITIES		.00	133	206.19	1,463	1,256.81-	85.9-	1,591
=====									
SECT B TOTALS			322,153.19	209,640	2,938,384.77	3,549,636	611,251.23-	17.2-	3,714,050
=====									
SECT C VEHICLES									
C222	GAS/FUEL		2,165.60	2,417	10,797.99	26,587	15,789.01-	59.4-	29,000
C225	OPERATION/REPAIR		576.67	667	3,384.10	7,337	3,952.90-	53.9-	8,000
C226	VEHICLE PURCHASES		.00	0	.00	10,000	10,000.00-	100.0-	10,000
=====									
SECT C TOTALS			2,742.27	3,084	14,182.09	43,924	29,741.91-	67.7-	47,000
=====									
DEPT 12 TOTALS			428,645.06	323,476	4,222,303.13	4,922,584	700,280.87-	14.2-	5,145,450
=====									
DEPT 13 O & M EXPENSES - LABORATORY									
=====									
SECT A SALARIES AND WAGES									
A009	OPERATIONS MANAGEMENT		6,871.95	6,580	71,853.97	78,960	7,106.03-	9.0-	82,250
A040	LABORATORY - BUDGET		.00	13,356	.00	160,272	9,654.93-	6.0-	166,950
A041	LAB - WWTC		10,495.45	0	134,132.98	0	.00	.0	0
A042	LAB - PRETREATMENT		1,167.86	0	12,687.93	0	.00	.0	0
A043	LAB - SURCHARGE PROGRAM		.00	0	34.38	0	.00	.0	0
A047	LAB - MICRO		.00	0	902.48	0	.00	.0	0

TREASURER'S REPORT

DATE 04/06/21

MONTH ENDED 03/31/21

PAGE 4

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
A048	LAB - ENERGY RECOVERY		200.04	0	2,859.30	0	.00	.0	0
A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE		25.00	0	25.00	0	25.00	.0	0
=====									
SECT A TOTALS			18,760.30	19,936	222,496.04	239,232	16,735.96-	7.0-	249,200
=====									
SECT B OPERATIONS AND MAINTENANCE									
B114	CHEMICALS		685.76	1,483	11,363.53	16,317	4,953.47-	30.4-	17,800
B115	EQUIPMENT/EQUIPMENT REPAIR		1,008.42	1,333	7,794.95	14,663	6,868.05-	46.8-	16,000
B116	SUPPLIES		1,510.74	1,758	12,428.45	19,338	6,909.55-	35.7-	21,100
B117	EMPLOYEE/DUTY COSTS		340.00	467	1,962.04	5,137	3,174.96-	61.8-	5,600
B122	MONITORING EQUIPMENT		.00	0	2,418.95	9,000	6,581.05-	73.1-	9,000
B123	OUTSIDE LAB SERVICES		1,344.20	1,642	18,966.25	18,062	904.25	5.0	19,700
=====									
SECT B TOTALS			4,889.12	6,683	54,934.17	82,517	27,582.83-	33.4-	89,200
=====									
SECT C VEHICLES									
C222	GAS/FUEL		57.83	46	251.45	506	254.55-	50.3-	550
C225	OPERATION/REPAIR		.00	0	187.34	150	37.34	24.9	200
=====									
SECT C TOTALS			57.83	46	438.79	656	217.21-	33.1-	750
=====									
DEPT 13 TOTALS			23,707.25	26,665	277,869.00	322,405	44,536.00-	13.8-	339,150
=====									
DEPT 14 O & M EXPENSES - SEWER SYSTEM									
SECT A SALARIES AND WAGES									
A006	ENGINEERING		937.63	1,228	7,423.70	14,736	7,312.30-	49.6-	15,350
A050	SEWER MAINTENANCE - BUDGET		.00	16,280	.00	195,360	19,924.35	10.2	203,500
A051	SEWER MAINTENANCE		15,566.71	0	202,013.54	0	.00	.0	0
A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS		977.76	0	13,270.81	0	.00	.0	0
A060	INSPECTION - BUDGET		.00	19,568	.00	234,817	82,514.96-	35.1-	244,600
A061	INSPECTION - NEW CONSTRUCTION		34.14	0	1,130.86	0	.00	.0	0
A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS		2,503.71	0	35,711.45	0	.00	.0	0
A063	INSPECTION - PERMIT INSPECTIONS		347.16	0	8,601.98	0	.00	.0	0
A064	INSPECTION - MISCELLANEOUS		4,559.34	0	29,655.09	0	.00	.0	0
A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES		835.14	0	47,718.70	0	.00	.0	0
A066	INSPECTION - CODE ENFORCEMENT		5,188.53	0	29,483.96	0	.00	.0	0
A070	SEWER INVESTIGATIONS - BUDGET		.00	820	.00	9,840	8,783.67-	89.3-	10,250
A072	SEWER INVESTIGATIONS		.00	0	1,056.33	0	.00	.0	0
A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE		25.00	0	750.00	0	750.00	.0	0
=====									
SECT A TOTALS			30,975.12	37,896	376,816.42	454,753	77,936.58-	17.1-	473,700
=====									
SECT B OPERATIONS AND MAINTENANCE									
B112	COMMUNICATION		1,650.46	958	7,014.41	10,538	3,523.59-	33.4-	11,500
B113	EMERGENCY/SAFETY EQUIPMENT		18.65	363	3,469.93	3,993	523.07-	13.1-	4,350
B115	EQUIPMENT/EQUIPMENT REPAIR		2,158.85	4,954	17,017.70	54,494	37,476.30-	68.8-	59,450
B116	SUPPLIES		263.70	333	4,110.46	3,663	447.46	12.2	4,000
B117	EMPLOYEE/DUTY COSTS		530.33	1,125	5,706.92	12,375	6,668.08-	53.9-	13,500

TREASURER'S REPORT

DATE 04/06/21

MONTH ENDED 03/31/21

PAGE 5

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B124	CONTRACT SERVICES		.00	8,750	80,807.50	96,250	15,442.50-	16.0-	105,000
B127	JULIE SYSTEM		.00	1,396	12,297.28	15,356	3,058.72-	19.9-	16,750
B128	OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM		.00	4,250	27,333.00	41,750	14,417.00-	34.5-	43,000
B129	REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGE		539.30	1,000	3,559.30	11,000	7,440.70-	67.6-	12,000
B900	SEWER SYSTEM REPAIRS - BUDGET		.00	110,000	.00	1,520,000	290,575.97-	19.1-	1,603,600
B901	SEWER SYSTEM REPAIRS - I/I PROGRAM		8,268.75	0	292,533.44	0	.00	.0	0
B902	SEWER SYSTEM REPAIRS - REPLACEMENT		2,356.25	0	161,364.21	0	.00	.0	0
B903	SEWER SYSTEM REPAIRS - REHABILITATION		.00	0	123,486.89	0	.00	.0	0
B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM		55,472.20	0	554,305.59	0	.00	.0	0
B912	SEWER SYSTEM REPAIRS - BSSRAP - NONTARGET I		.00	0	1,227.15	0	.00	.0	0
B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/R		.00	0	5,711.16	0	.00	.0	0
B929	ARRA LOAN PRINCIPAL REPAYMENT		.00	0	90,795.59	0	.00	.0	0
=====									
SECT B TOTALS			71,258.49	133,129	1,390,740.53	1,769,419	378,678.47-	21.4-	1,873,150
=====									
SECT C VEHICLES									
C222	GAS/FUEL		1,684.30	2,167	8,436.28	23,837	15,400.72-	64.6-	26,000
C225	OPERATION/REPAIR		155.47	558	6,752.30	6,138	614.30	10.0	6,700
C226	VEHICLE PURCHASES		.00	0	50,201.00	44,500	5,701.00	12.8	44,500
=====									
SECT C TOTALS			1,839.77	2,725	65,389.58	74,475	9,085.42-	12.2-	77,200
=====									
DEPT 14 TOTALS									
			104,073.38	173,750	1,832,946.53	2,298,647	465,700.47-	20.3-	2,424,050
=====									
DEPT 15 O & M EXPENSES - LIFT STATIONS									
SECT A SALARIES AND WAGES									
A006	ENGINEERING		184.87	312	656.33	3,744	3,087.67-	82.5-	3,900
A009	OPERATIONS MANAGEMENT		36.53	792	70.91	9,504	9,433.09-	99.3-	9,900
A030	BUILDING AND GROUNDS		27.22	736	285.57	8,832	8,546.43-	96.8-	9,200
A080	LIFT STATION MAINTENANCE		699.01	6,192	11,185.81	74,305	63,119.19-	85.0-	77,400
=====									
SECT A TOTALS			947.63	8,032	12,198.62	96,385	84,186.38-	87.3-	100,400
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		3,138.72	10,625	85,732.61	116,875	31,142.39-	26.7-	127,500
B104	FUEL - GENERATORS		.00	0	831.43	4,500	3,668.57-	81.5-	4,500
B112	COMMUNICATION		687.52	500	3,957.01	5,500	1,542.99-	28.1-	6,000
B113	EMERGENCY/SAFETY EQUIPMENT		.00	0	59.00	1,000	941.00-	94.1-	1,000
B116	SUPPLIES		.00	0	182.56	300	117.44-	39.2-	400
B520	EQPT/EQPT REPAIR - BUTTERFIELD		1,421.18	100	1,872.65	2,175	302.35-	13.9-	2,294
B521	EQPT/EQPT REPAIR - CENTEX		1,068.00	330	1,171.16	4,705	3,533.84-	75.1-	5,033
B522	EQPT/EQPT REPAIR - COLLEGE		1,571.00	927	5,592.26	11,772	6,179.74-	52.5-	12,697
B523	EQPT/EQPT REPAIR - EARLSTON		1,068.00	100	1,670.51	2,075	404.49-	19.5-	2,183
B524	EQPT/EQPT REPAIR - HOBSON		3,989.00	0	16,817.41	19,947	3,129.59-	15.7-	19,947
B525	EQPT/EQPT REPAIR - LIBERTY PARK		1,203.00	120	2,656.16	3,630	973.84-	26.8-	3,748
B526	EQPT/EQPT REPAIR - NORTHWEST		2,067.00	425	2,170.16	6,275	4,104.84-	65.4-	6,674
B527	EQPT/EQPT REPAIR - VENARD		2,913.00	120	5,927.61	5,280	647.61	12.3	5,404
B528	EQPT/EQPT REPAIR - WROBLE		2,749.00	110	3,307.16	10,320	7,012.84-	68.0-	10,472

TREASURER'S REPORT

DATE 04/06/21

MONTH ENDED 03/31/21

PAGE 6

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL		2,313.03	2,260	11,466.62	34,610	23,143.38-	66.9-	36,848
B820	BLDG AND GROUNDS - BUTTERFIELD		.00	0	1,109.15	0	1,109.15	.0	0
B821	BLDG AND GROUNDS - CENTEX		.00	0	1,125.15	0	1,125.15	.0	0
B823	BLDG AND GROUNDS - EARLSTON		.00	0	1,099.15	0	1,099.15	.0	0
B824	BLDG AND GROUNDS - HOBSON		.00	0	2,213.35	0	2,213.35	.0	0
B825	BLDG AND GROUNDS - LIBERTY PARK		.00	0	1,139.15	0	1,139.15	.0	0
B826	BLDG AND GROUNDS - NORTHWEST		.00	0	1,358.97	25,000	23,641.03-	94.6-	25,000
B827	BLDG AND GROUNDS - VENARD		.00	0	1,125.15	0	1,125.15	.0	0
B828	BLDG AND GROUNDS - WROBLE		.00	0	5,952.15	5,000	952.15	19.0	5,000
B829	BLDG AND GROUNDS - LIFT STATIONS GENERAL		.00	2,142	.00	25,562	25,562.00-	100.0-	27,700
=====									
SECT B TOTALS			24,188.45	17,759	158,536.53	284,526	125,989.47-	44.3-	302,400
=====									
=====									
DEPT 15 TOTALS			25,136.08	25,791	170,735.15	380,911	210,175.85-	55.2-	402,800
=====									
DEPT 17 O & M EXPENSES - INSURANCE & EMPLOYEE BENEFITS									
=====									
SECT E INSURANCE AND EMPLOYEE BENEFITS									
E452	LIABILITY/PROPERTY		125.00	0	207,213.80	208,000	786.20-	.4-	208,000
E455	EMPLOYEE GROUP HEALTH		38,901.74	42,833	412,992.48	471,163	58,170.52-	12.4-	514,000
E460	IMRF		22,112.86	29,256	273,374.30	300,590	27,215.70-	9.1-	318,000
E461	SOCIAL SECURITY		16,733.88	19,256	203,326.59	218,010	14,683.41-	6.7-	232,000
=====									
SECT E TOTALS			77,873.48	91,345	1,096,907.17	1,197,763	100,855.83-	8.4-	1,272,000
=====									
=====									
DEPT 17 TOTALS			77,873.48	91,345	1,096,907.17	1,197,763	100,855.83-	8.4-	1,272,000
=====									
=====									
DEPT 91 SA EXPENSE									
=====									
=====									
DEPT 91 TOTALS			.00	0	.00	0	.00	0	
=====									
=====									
FUND EXPENSE TOTAL			766,501.31	745,069	8,714,089.60	10,403,254	1,689,164.40-	16.2-	10,931,950
=====									
=====									
FUND 01 TOTALS			5,656.69	24,079-	104,485.71-	1,415,426	1,519,911.71-	107.4-	1,272,650
=====									

TREASURER'S REPORT

DATE 04/06/21

MONTH ENDED 03/31/21

PAGE 7

FUND 02 IMPROVEMENT FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		339.48-	1,408-	6,794.21-	15,488-	16,900-
3010	TRUNK SEWER SERVICE CHARGES		.00	7,500-	90,183.21-	82,500-	90,000-
=====							
DEPT 05	TOTALS		339.48-	8,908-	96,977.42-	97,988-	106,900-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	0	.00	46,600	93,200
0515	PAYMENT ON LOAN PRINCIPAL		.00	0	46,595.52	0	0
=====							
DEPT 30	TOTALS		.00	0	46,595.52	46,600	93,200
=====							
DEPT 36	CAPITAL EXP - LIBERTY PARK LIFT STATION UPGRADE						
=====							
DEPT 36	TOTALS		.00	0	.00	0	0
=====							
DEPT 47	CAPITAL EXP - CENTEX LIFT STATION UPGRADE						
0502	DESIGN ENGINEERING/ARCHITECTURAL		10,356.25	8,333	13,395.00	41,665	50,000
=====							
DEPT 47	TOTALS		10,356.25	8,333	13,395.00	41,665	50,000
=====							
DEPT 74	CAPITAL EXP - SEWER - UNSEWERED AREAS						
0500	PROJECT BUDGET		.00	0	.00	7,500	7,500
=====							
DEPT 74	TOTALS		.00	0	.00	7,500	7,500
=====							
FUND	EXPENSE TOTAL		10,356.25	8,333	59,990.52	95,765	150,700
=====							
FUND 02	TOTALS		10,016.77	575-	36,986.90-	2,223-	43,800
=====							

TREASURER'S REPORT

DATE 04/06/21

MONTH ENDED 03/31/21

PAGE 8

FUND 03 CONSTRUCTION FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		41.81-	1,371-	1,536.88-	15,081-	16,450-
3009	SEWER PERMIT FEES		12,992.00-	20,833-	211,493.39-	229,163-	250,000-
=====							
DEPT 05	TOTALS		13,033.81-	22,204-	213,030.27-	244,244-	266,450-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	0	.00	14,450	28,900
0515	PAYMENT ON LOAN PRINCIPAL		.00	0	14,403.64	0	0
=====							
DEPT 30	TOTALS		.00	0	14,403.64	14,450	28,900
=====							
DEPT 31	CAPITAL EXP - WWTC - CHP BIOGAS						
=====							
DEPT 31	TOTALS		.00	0	.00	0	0
=====							
DEPT 32	CAPITAL EXP - WWTC - SECOND TURBOBLOWER						
=====							
DEPT 32	TOTALS		.00	0	.00	0	0
=====							
DEPT 33	CAPITAL EXP - WWTC - DIGESTER MIXING/GAS PIPING						
=====							
DEPT 33	TOTALS		.00	0	.00	0	0
=====							
DEPT 34	CAPITAL EXP - WWTC - GREASE WASTE DELIVERY RAMP						
=====							
DEPT 34	TOTALS		.00	0	.00	0	0
=====							
DEPT 35	CAPITAL EXP - WWTC - CHP BIOGAS PHASE 2						
=====							
DEPT 35	TOTALS		.00	0	.00	0	0
=====							
DEPT 37	CAPITAL EXP - WWTC - GREASE RECEIVING STATN NO2						
=====							
DEPT 37	TOTALS		.00	0	.00	0	0
=====							
DEPT 38	CAPITAL EXP - WWTC - PROPERTY ACQUISITION						
=====							
DEPT 38	TOTALS		.00	0	.00	0	0
=====							
DEPT 39	CAPITAL EXP - WWTC - GRIT BLOWER REPLACEMENT						

TREASURER'S REPORT

DATE 04/06/21 MONTH ENDED 03/31/21
FUND 03 CONSTRUCTION FUND

PAGE 9

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
=====							
DEPT 39	TOTALS		.00	0	.00	0	0
=====							
DEPT 40	CAPITAL EXP - WWTC - LOAN REPAYMENT						
=====							
DEPT 40	TOTALS		.00	0	.00	0	0
=====							
FUND	EXPENSE TOTAL		.00	0	14,403.64	14,450	28,900
=====							
FUND	03 TOTALS		13,033.81-	22,204-	198,626.63-	229,794-	237,550-
=====							

TREASURER'S REPORT

DATE 04/06/21

MONTH ENDED 03/31/21

PAGE 10

FUND 05 PUBLIC BENEFIT FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		31.87-	46-	475.17-	506-	550-
=====							
DEPT 05	TOTALS		31.87-	46-	475.17-	506-	550-
=====							
DEPT 59	CAPITAL EXP - SEWER - SEWER EXTENSIONS						
=====							
DEPT 59	TOTALS		.00	0	.00	0	0
=====							
DEPT 65	CAPITAL EXP - SEWER - REIMB FOR ADDED DEPTH						
=====							
DEPT 65	TOTALS		.00	0	.00	0	0
=====							
FUND	EXPENSE TOTAL		.00	0	.00	0	0
=====							
FUND 05	TOTALS		31.87-	46-	475.17-	506-	550-
=====							

TREASURER'S REPORT

DATE 04/06/21

MONTH ENDED 03/31/21

PAGE 11

FUND 71 SEWER EXTENSIONS ESCROW

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		6.33-	0	94.36-	0	0
=====							
DEPT 05	TOTALS		6.33-	0	94.36-	0	0
=====							
DEPT 92	SEWER EXPENSE						
=====							
DEPT 92	TOTALS		.00	0	.00	0	0
=====							
FUND	EXPENSE TOTAL		.00	0	.00	0	0
=====							
FUND 71	TOTALS		6.33-	0	94.36-	0	0
=====							

GENERAL MANAGER'S REPORT TO EMPLOYEES

March 26, 2021

COVID-19

CURRENT MITIGATION PLAN TIER OR PHASE FOR DGSD (REGION 8): PHASE 4

Governor Pritzker and the Centers for Disease Control and Prevention (CDC) have both issued revised guidance since the District's COVID-19 Preparedness Plan was last updated several weeks ago. These modifications focus on lightening restrictions as more of the population becomes vaccinated. District Administration is already taking these changes into consideration and will be revising our preparedness plan in the next few weeks accordingly.

If you have been traveling to and are returning from out-of-state, you may be asked to self-quarantine prior to returning to work. Please check with your supervisor or the District's Safety Coordinator in advance of traveling out-of-state to determine beforehand if a quarantine will be necessary upon your return.

If you are considering getting the vaccine, you may still register with the DuPage County Health Department (DCHD) at <https://dupagehealth.org/covid19vaccineregistration>. The DCHD encourages you to explore other options for getting the vaccine. Vaccination sites may be found at <https://coronavirus.illinois.gov/s/vaccination-location>. Many employees have successfully scheduled a Walgreens appointment at <https://www.walgreens.com/findcare/vaccination/covid-19>. Appointments randomly open up, so please be patient and check back frequently. If you need assistance, Safety Coordinator Jessie Gwozdz is always available to help you.

Five Year Financial Plan and Appropriation Ordinance

At the March 16 meeting, the Board approved the Five Year Financial Plan for Fiscal Years 2021-22 to 2025-26. The plan includes a \$0.15 increase in the FY 21-22 budget for the user fee (increasing from \$1.80 to \$1.95) and no increase in the monthly service fee (currently at \$17.00 per month). The Board also approved the Fiscal Year 2021-2022 Appropriation Ordinance. The plan sets a budget for operation and maintenance expenses of \$11,301,900 for the fiscal year starting May 1, 2021.

Group Health Insurance

We are currently soliciting proposals for renewal of our group medical, dental, vision and life insurance benefits with a plan year of June 1 – May 31.

TopHealth

The April issue of TopHealth is enclosed.

Sewer Rehabilitation/Infiltration and Inflow Removal

We are targeting the 1-K-028 area for private property inspections and I/I removal. We are also monitoring the area around the 1-M-049 manhole to evaluate flows in the vicinity and impacts of

the installation of a bolt-down cover at 1-M-049. Data collected shows that the local system containing 1-M-049 appears to be operating satisfactorily. Regular flow monitoring continues.

Status of Projects

1) 001 Outfall Pipe Repair

The District is working with Baxter & Woodman to finalize the plans and specifications.

2) Composting Pilot

The fourth compost pile is currently in Phase 3, which is the final phase. Once this phase is complete, the composting pilot will be finished and the equipment will be returned to the manufacturer. Thank you to all staff that worked on this project.

3) Centex Lift Station Replacement

Baxter & Woodman is preparing the plans and specifications.

4) 1K-028 Basin Rehabilitation Phase 3

Baxter & Woodman is preparing the plans and specifications.

GENERAL MANAGER'S REPORT TO EMPLOYEES

April 9, 2021

Net-Zero

In the month of March, the wastewater treatment center was once again a net-zero energy facility. The electricity use and production numbers for March have been posted on the District website and on the MSB scoreboard. Thank you to all staff that have worked on the CHP 1 replacement project and that continue to keep our facility at net-zero through diligent operations and maintenance.

COVID-19

CURRENT MITIGATION PLAN TIER OR PHASE FOR DGSD (REGION 8): **PHASE 4**

Governor Pritzker and the Centers for Disease Control and Prevention (CDC) have both issued revised guidance since the District's COVID-19 Preparedness Plan was last updated several weeks ago. These modifications focus on lightening restrictions as more of the population becomes vaccinated. District Administration is already taking these changes into consideration and will be revising our preparedness plan in the next few weeks accordingly.

If you have been traveling to and are returning from out-of-state, you may be asked to self-quarantine prior to returning to work. Please check with your supervisor or the District's Safety Coordinator in advance of traveling out-of-state to determine beforehand if a quarantine will be necessary upon your return.

If you are considering getting the vaccine, you may still register with the DuPage County Health Department (DCHD) at <https://dupagehealth.org/covid19vaccineregistration>. The DCHD encourages you to explore other options for getting the vaccine. Vaccination sites may be found at <https://coronavirus.illinois.gov/s/vaccination-location>. Many employees have successfully scheduled a Walgreens appointment at <https://www.walgreens.com/findcare/vaccination/covid-19>. Appointments randomly open up, so please be patient and check back frequently. If you need assistance, Safety Coordinator Jessie Gwozdz is always available to help you.

Group Health Insurance

We are currently soliciting proposals for renewal of our group medical, dental, vision and life insurance benefits with a plan year of June 1 – May 31.

Sewer Rehabilitation/Infiltration and Inflow Removal

We are targeting the 1-K-028 area for private property inspections and I/I removal. We are also monitoring the area around the 1-M-049 manhole to evaluate flows in the vicinity and impacts of the installation of a bolt-down cover at 1-M-049. Data collected shows that the local system containing 1-M-049 appears to be operating satisfactorily. Regular flow monitoring continues.

Status of Projects

1) 001 Outfall Pipe Repair

The District is working with Baxter & Woodman to finalize the plans and specifications.

2) Composting Pilot

The composting portion of this project is complete. The equipment will be returned to the manufacturer soon, and we will be getting a report on the pilot.

3) Centex Lift Station Replacement

Baxter & Woodman is preparing the plans and specifications.

4) 1K-028 Basin Rehabilitation Phase 3

Baxter & Woodman is preparing the plans and specifications. The advertisement for bids will be posted next week.

Board of Trustees
Wallace D. Van Buren
President
Amy E. Sejnost
Vice President
Paul W. Coultrap
Clerk



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

General Manager
Amy R. Underwood

Legal Counsel
Michael G. Philipp

Providing a Better Environment for South Central DuPage County

March 22, 2021

Brant Fleming
Permit Section
Division of Water Pollution Control
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

Subject: Downers Grove Sanitary District – Wastewater Treatment Center Phosphorus Discharge Optimization Plan (NPDES Permit No. IL0028380, Special Condition 16, Paragraph 6) – 2021 Status Report

Dear Mr. Fleming:

Special Condition 16 of permit IL0028380 requires the Downers Grove Sanitary District to submit an annual progress report on its Phosphorus Discharge Optimization Plan (PDOP). The PDOP, submitted in July 2017, evaluates source reduction measures, operational improvements, and minor low cost facility modifications to optimize reductions in phosphorus discharges from the wastewater treatment center (WWTC). This letter serves as the District's 2021 PDOP annual progress report, in compliance with Special Condition 16, Paragraph 6. This report is due by March 31, 2021.

WWTC Phosphorus Removal Performance

WWTC phosphorus monitoring for calendar year 2020 is summarized in the following table:

	INFLUENT		EFFLUENT		FRACTION REMOVED
	CONCN mg/l	LOAD lbs/day	CONCN mg/l	LOAD lbs/day	
Jan-20	4.33	465	1.90	191	0.59
Feb-20	4.09	402	2.04	199	0.50
Mar-20	4.83	562	2.32	283	0.50
Apr-20	4.69	425	2.61	251	0.41
May-20	2.54	324	1.06	141	0.56
Jun-20	5.89	454	2.98	231	0.49
Jul-20	6.67	439	3.52	247	0.44
Aug-20	6.67	376	4.59	281	0.25
Sep-20	6.30	375	4.02	258	0.31
Oct-20	6.86	434	3.76	232	0.46
Nov-20	6.24	399	3.49	241	0.40
Dec-20	4.85	363	2.45	183	0.49
Average	5.33	418	2.90	228	0.45
Maximum	6.86	562	4.59	283	0.59
Minimum	2.54	324	1.06	141	0.25

WWTC Influent Reduction Measures

The influent phosphorus load to the District's Wastewater Treatment Center (WWTC) in 2020 was consistent with the previous few years, giving the District no reason to suspect any user has significantly increased their phosphorus discharge. Therefore, no special sampling was done in 2020.

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

WWTC Effluent Reduction Measures

Sidestream Enhanced Biological Phosphorus Removal

Since submittal of the 2019 PDOP update report, the activated sludge portion of the plant remains operating in a configuration to attempt sidestream enhanced biological phosphorus removal. In this configuration, a portion of the return activated sludge (RAS) is fermented in an anaerobic zone prior to being returned to the aeration tanks, as described in the PDOP.

The 2020 PDOP report described an attempt, which was started in September 2019, to improve phosphorus removal performance by denitrifying the RAS within the clarifier blankets prior to returning it to the aeration tanks. As noted in the 2020 PDOP report, this practice did not provide an improvement in the average fraction of phosphorus removed and is difficult to sustain. This trial was therefore ended in early 2020.

In October 2019, the percentage of the total RAS being fermented was increased in an attempt to increase the polyphosphate accumulating organisms (PAOs) inventory. As noted in the 2020 PDOP report, only one of the plant's two RAS systems was piped to the sidestream fermenter prior to 2019. In December 2019, the second RAS system was piped to the sidestream fermenter. These changes did not provide a noticeable improvement in the average fraction of phosphorus removed. The detention time through the fermenter is long enough that nitrifiers cannot survive. By increasing the portion of the solids inventory that was going through the fermenter, the portion that was nitrifiers was reduced. As the wastewater temperature gradually cooled from January 2020 through March 2020, the ammonia concentration in the effluent increased in response. As the plant's ammonia limit decreases significantly in April, the inventory of nitrifiers needed to be increased in order to avoid a violation, and therefore the percentage of RAS being fermented was decreased in April 2020 back to pre-October 2019 levels.

As noted in the 2020 PDOP update report, the carbon addition to the sidestream process was switched in April 2019 to a hauled high-strength waste with primary sludge used to supplement. The high-strength waste haulers discontinued bringing loads to the plant in mid-August 2020 as their waste source is no longer available. The addition of primary sludge to the fermenter was increased once the high-strength waste was no longer available. The average percent phosphorus removal was lower from August 2020 to December 2020 than at the beginning of 2020, but the percent phosphorus removal has increased in the first three months of 2021 back to the early 2020 level. Based on that and additional data analysis, the loss of the high-strength waste as a carbon source does not by itself appear to be negatively impacting the biological phosphorus removal.

In the 2020 PDOP update report, a goal was presented for 2020 to investigate improvements to the performance of the biological phosphorus removal. Due to reduced staffing during the COVID-19 pandemic and other related issues, the District was unable to devote the attention to this that was originally intended. This has been moved to the District's goals for 2021.

We trust that this letter report satisfies the requirements in Special Condition 16 for a PDOP status report. If you have any questions or comments, please contact me at the above address and phone.

Very Truly Yours,



Amy R. Underwood, P.E.
General Manager

C: Board of Trustees
Stephen McCracken, DRSCW
EPA.PrmtSpecCondtns@Illinois.gov

DuPage/Salt Creek Special Conditions Report

March 31, 2021



*Photo courtesy of DuPage County Forest Preserve District



DuPage River Salt Creek Workgroup

TABLE OF CONTENTS

INTRODUCTION AND PARTICIPATION DUPAGE/SALT CREEK SPECIAL CONDITIONS REPORT MARCH 31, 2021..... I

CHAPTER 1 PHYSICAL PROJECTS..... 1-1

1.1 Oak Meadows Dam Removal and Stream Restoration	1-1
1.1.1. Site Description	1-1
1.1.2. Design Characteristics	1-1
1.1.3. Project Implementation	1-1
1.1.4. Project Impact Evaluation	1-1
1.2 Fawell Dam Modification.....	1-1
1.2.1. Site Description	1-3
1.2.2. Design Characteristics	1-3
1.2.3. Permitting Requirements	1-3
1.2.4. Design Progress Report	1-4
1.2.5. Project Impact Evaluation	1-4
1.3 Spring Brook Restoration and Dam Removal (Spring Brook Phase 2)	1-5
1.3.1. Site Description	1-5
1.3.2. Design Characteristics	1-5
1.3.3. Permitting Requirements	1-7
1.3.4. Project Implementation	1-7
1.3.5. Project Impact Evaluation	1-11
1.4 Fullersburg Woods Dam Modification Concept Plan Development	1-11
1.5 Fullersburg Woods Dam Modification and Stream Restoration	1-11
1.5.1. Site Description	1-11
1.5.2. Research and Public Outreach	1-11
1.5.3. Design Progress Report	1-16
1.5.3.1. Phase 1: Development of the Concept Master Plan for Salt Creek at Fullersburg Woods	1-16
1.5.3.2. Phase 2: Concept Master Plan for Salt Creek at Fullersburg Woods Final Design and Preparation of Contract Bid Documents	1-18
1.5.4. Project Impact Evaluation	1-20
1.6 Southern West Branch Physical Improvement.....	1-20
1.7 Southern East Branch Stream Enhancement	1-25
1.7.1. Site Description	1-25
1.7.2. Design Progress Report	1-25

1.7.3. Project Impact Evaluation	1-25
1.8 Hammel Woods Dam Modification	1-26
1.8.1. Site Description	1-26
1.8.2. Design Characteristics	1-26
1.8.3. Permitting Requirements	1-26
1.8.4. Design Progress Report	1-27
1.8.5. Project Impact Evaluation	1-27
1.9 Hammel Woods Dam to 119th Street in Plainfield Stream Enhancement	1-27
1.9.1. Site Description	1-27

CHAPTER 2 CHLORIDE REDUCTION PROGRAM 2-1

2.1 Technical Workshops.....	2-1
2.2 Tracking BMP Adoption	2-4
2.2.1. Chloride Questionnaire	2-4
2.2.2. Ambient Impact Monitoring.....	2-5
2.3 Continuous Chloride Monitoring.....	2-6

CHAPTER 3 NUTRIENT IMPLEMENTATION PLAN..... 3-1

3.1 IPS Model /Project Identification Study	3-1
3.1.1. Background on the IPS Model and 2019-2020 Project Work.....	3-1
3.1.2. Next Steps in IPS Modeling.....	3-6
3.2 QUAL2Kw Updates for East Branch and Salt Creek	3-6
3.2.1. Data Collection	3-6
3.2.1.1. Continuous Dissolved Oxygen (DO) Sonde Network	3-6
3.2.1.2. Expanded Dissolved Oxygen Monitoring Program	3-7
3.2.2. QUAL2Kw Modeling	3-7
3.3 NPS Phosphorus Feasibility Analysis	3-19
3.3.1. Consultant Roundtable.....	3-19
3.3.2. Evaluation of Leaf Removal as a Means to Reduce Nutrient Concentrations and Loads in Urban Stormwater	3-19
3.3.3. Leaf Litter, Street Sweeping, and Stormwater Sewer Inlet Survey / NPS Phosphorus Management	3-19
3.4 Development of a Basin Wide Nutrient Trading Program	3-21
3.5 NIP Related Items.....	3-24
3.5.1. Chlorophyll a Sampling.....	3-24

ATTACHMENTS

- Attachment 1. DRSCW Special Condition
- Attachment 2. LDRWC Special Condition
- Attachment 3. Relocating Fish to a new Spring Brook
- Attachment 4. Executive Summary – Concept Master Plan For Salt Creek at Fullersburg Woods
- Attachment 5. Rheophilic Taxa Analysis - Pre-Project Sampling at Fullersburg Woods
- Attachment 6. Segmentation Memorandums for the QUAL2Kw models
- Attachment 7. Draft Leaf Litter, Street Sweeping, and Storm Sewer Inlet Maintenance Survey

LIST of TABLES

Table 1. Participation in the DRSCW Special Condition permit 2020-2021.	ii
Table 2. Participation in the LDRWC Special Condition Permit 2020-2021.	iii
Table 3. Target QHEI, mIBI, and fIBI scores generated for Spring Brook from the 2018 sampling.....	1-5
Table 4. Three-pronged approach to educating stakeholders for the Concept Master Plan for Salt Creek at Fullersburg Woods.....	1-13
Table 5. Master Plan for Salt Creek at Fullersburg Woods Public Comment Form and Results.....	1-15
Table 6. fIBI, mIBI, and QHEI baseline data collected in 2019 and 2020 for the Fullersburg Woods Dam Modification.....	1-21
Table 7. Color Key to IBI scores depicted in Table 6.	1-21
Table 8. Color Key to QHEI Scores in Table 6.	1-21
Table 9. Strongly Correlated Stressors with the highest FIT score (>0.32).	3-5
Table 10. Schedule for Expanded DO Monitoring.	3-7
Table 11. Sites Monitored as Part of the Expanded DO Monitoring Program.....	3-8
Table 12. Parameters Included in Expanded DO Monitoring Program.....	3-8
Table 13. Data Utilized in the Development of the QUAL2Kw Models for the DuPage River and Salt Creek Watersheds.....	3-9
Table 14. East Branch DuPage River Key Model Calibration Locations.	3-10
Table 15. Salt Creek Key Model Calibration Locations.	3-11
Table 16. Output from the Canopy ROW spatial file showing the percentage of total ROW area that has canopy area.	3-21

LIST OF FIGURES

Figure 1. Fish Index of Biotic Integrity scores in Salt Creek at the Fullersburg Dam survey area for the years of 2019 and 2020.	1-22
Figure 2. Modified Index of Well-Being (MIwb) scores in Salt Creek at the Fullersburg Dam survey area for the years of 2019 and 2020.....	1-22
Figure 3. Macroinvertebrate Index of Biotic Integrity scores in Salt Creek at the Fullersburg Dam survey area for the years of 2019 and 2020.	1-23
Figure 4. Qualitative Habitat Evaluation Index (QHEI) scores in Salt Creek at the Fullersburg Dam survey area for the years of 2019 and 2020.	1-23
Figure 5. fIBI data collected on the main stem of the East Branch DuPage River (2007, 2011, 2019, and 2019).	1-26
Figure 6. Calculated annual chloride concentrations - winter months (2007-2020) for Salt Creek at Wolf Road....	2-7
Figure 7. Calculated annual chloride concentrations - winter months (2008-2020) for Salt Creek at Busse Woods Main Dam.....	2-7
Figure 8. Calculated annual calculated chloride concentrations - winter months (2008-2020) for East Branch at Hobson Road.....	2-8

Figure 9. Calculated annual chloride concentrations - winter months (2007-2020) for East Branch at Army Trail Road.....	2-8
Figure 10. Calculated annual chloride concentrations - winter months (2018-2020) for West Branch at Bailey Road.	2-9
Figure 11. Calculated annual chloride concentrations - winter months (2007-2019) for West Branch at Arlington Road.....	2-9
Figure 12. Step-by-Step IPS Threshold Development and Stressor Identification Process.	3-4
Figure 13. East Branch DuPage River Simulated and Observed Streamflow (cms) at Reach 17 (USGS 05540250).3-12	
Figure 14. East Branch DuPage River Simulated and Observed Water Temperature (°C) at Reach 10 (EB30).....	3-12
Figure 15. East Branch DuPage River Simulated and Observed Nitrogen Species (µg/L) at Reach 10 (EB30).....	3-13
Figure 16. East Branch DuPage River Simulated and Observed Total Phosphorus (µg/L) at Reach 10 (EB30).....	3-13
Figure 17. East Branch DuPage River Simulated and Observed Dissolved Oxygen (mg/L) at Reach 10 (EB30).....	3-14
Figure 18. Salt Creek Simulated and Observed Streamflow (cms) at Reach 16 (USGS 05531500).....	3-15
Figure 19. Salt Creek Simulated and Observed Water Temperature (°C) at Reach 16 (SCWR).	3-15
Figure 20. Salt Creek Simulated and Observed Nitrogen Species (µg/L) at Reach 12(SCGD).	3-16
Figure 21. Salt Creek Simulated and Observed Total Phosphorus (µg/L) at Reach 12 (SCGD).	3-16
Figure 22. Salt Creek Simulated and Observed Dissolved Oxygen (mg/L) at Reach 12 (SCGD).	3-17

LIST OF MAPs

Map 1. Map of DRSCW physical projects set out in the Special Condition.	iv
Map 2. Map of the LDRWC physical projects set out in the Special Condition.....	v
Map 3. Construction reaches of Spring Brook No.1 Creek & Wetland Restoration – Phase 2.	1-6
Map 4. Pre-project Monitoring Locations for the Fullersburg Woods Dam Modification Project.	1-24
Map 5. Spatial distribution and providence of data utilized in the 2020 IPS Update.....	3-2

LIST OF PLATES

Plate 1. Sections of the ladder being prepped for placement at the Eel River site.	1-2
Plate 2. The view south (downstream) from the dam showing the backwater affect created by the accumulated riprap. The high crest on the riprap is the result of material movement caused by the high flows through the culvert system (directly beneath the viewer’s position).....	1-4
Plate 3. Planted in 2019, banks of Reach A were taking root in July 2020.	1-8
Plate 4. Excavation of a new Spring Brook channel in Reach B, a former impoundment created by a dam, continued in July 2020.	1-8
Plate 5. Flow of Spring Brook No. 1 was diverted into a new channel on August 27, 2020.	1-9
Plate 6. Without water flow in the former channel, Forest Preserve staff collected and inventoried isolated fish to translocate into the new channel.	1-9
Plate 7. Trail base was laid outside the floodplain for a newly routed regional trail in October 2020.	1-10
Plate 8. Aerial image showing the completed project in October 2020.	1-10
Plate 9. Demonstrations of equipment calibration at DRSCW Chloride Management Workshops.	2-1
Plate 10. Deicing Workshops Registration Form, 2020.....	2-2
Plate 11. Welcome & Introduction to Parking Lots & Sidewalks Presentation, 2020.....	2-3
Plate 12. Links from webinar presentation and chat, 2020.....	2-3
Plate 13. Winter Technical Briefs, 2020.....	2-4
Plate 14. Outreach Poster/Handout on winter safety, 2020.	2-5
Plate 15. Example of the GIS output of the merged and clipped canopy and ROW layers.	3-20

Introduction and Participation DuPage/Salt Creek Special Conditions Report March 31, 2021.

This report fulfills certain reporting requirements contained in DuPage River Salt Creek Workgroup's (DRSCW) and Lower DuPage River Watershed Coalition's (LDRWC) NPDES permits. These requirements are as provided in the DRSCW Special Conditions (Attachment 1) and the LDRWC Special Conditions (Attachment 2 – Note: As the LDRWC Special Conditions differ between permit holders, the Special Conditions for Bolingbrook STP#3 is included the Attachment as a representation of the Workgroup's Special Conditions Language.)

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

All listed permittees participate in the DRSCW and/or LDRWC and are working with other watershed members of the DRSCW and LDRWC to determine the most cost-effective means to remove dissolved oxygen (DO) and offensive condition impairments in the DRSCW watersheds.

The specific reporting requirements addressed herein include annual reporting on the progress of the projects listed in the Special Conditions, and certain baseline condition reporting for the Chloride Reduction Program. Map 1 and 2 show the locations of the physical projects to be realized under the special conditions.

Special Condition Permit Holder Forum

In Fall 2020, three (3) Special Conditions Permit Holder Forums for DRSCW and LDRWC Permit Holders were held via Zoom. Special Condition Permit Holders were encouraged to attend at least one of the forums. The objective of the meeting was to provide an update on the Nutrient Implantation Plan (NIP) and discuss future permit negotiations.

Table 1. Participation in the DRSCW Special Condition permit 2020-2021.

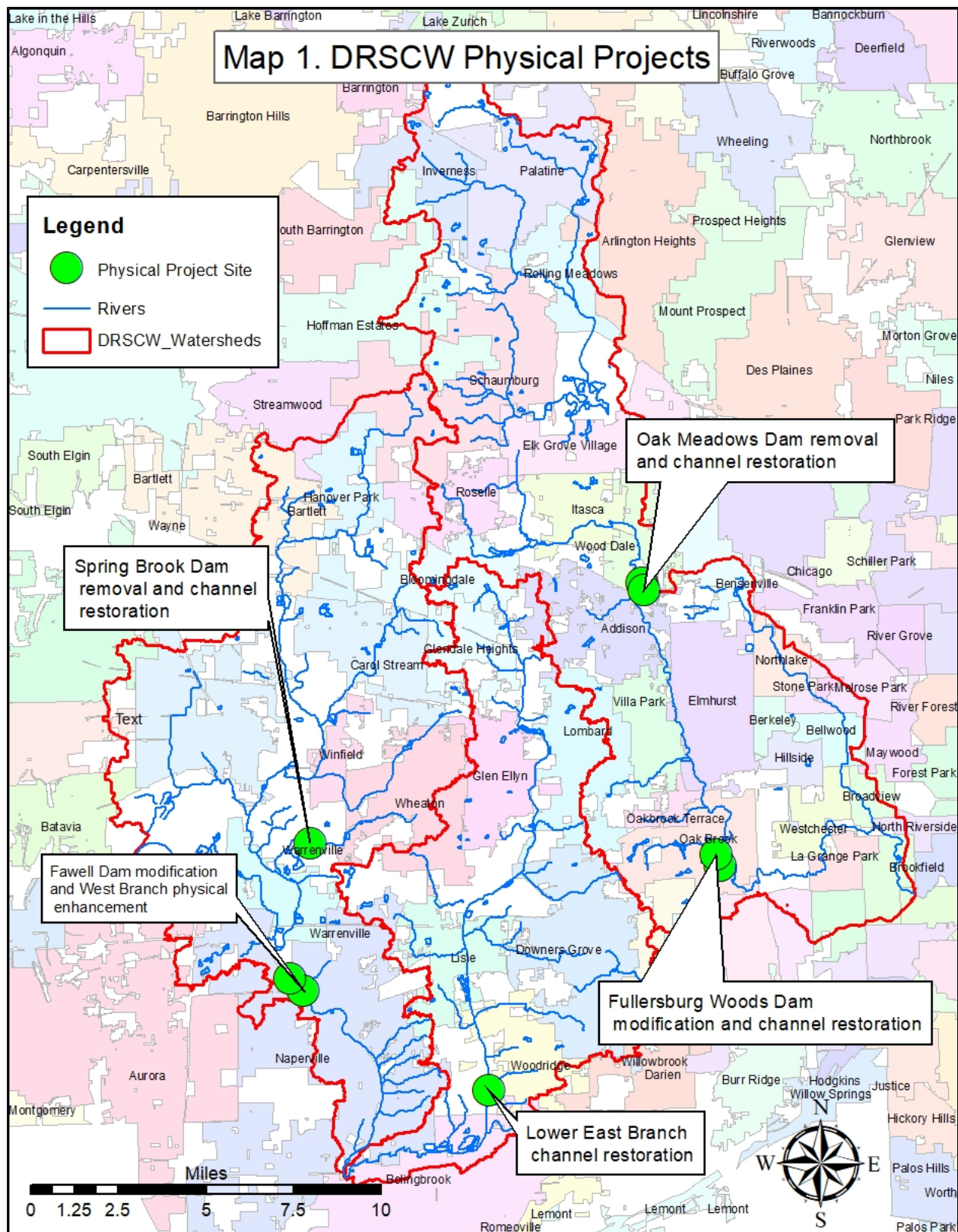
POTW Owner/ Facility Name	NPDES No.	Membership Dues Paid 2020-21	Assessment Paid for Paragraph 2 Table Project Funding*	Assessment Paid for Chloride Reduction/NIP/QUAL 2k/Trading Program
Addison North STP	IL0033812	YES	YES	YES
Addison South - AJ LaRocca	IL0027367	YES	YES	YES
Bartlett WWTP	IL0027618	YES	YES	YES
Bloomington-Reeves WRF	IL0021130	YES	YES	YES
Bolingbrook STP#1	IL0032689	YES	YES	YES
Bolingbrook STP#2	IL0032735	YES	YES	YES
Carol Stream WRC	IL0026352	YES	YES	YES
Downers Grove SD	IL0028380	YES	YES	YES
DuPage County Woodridge	IL0031844	YES	YES	YES
Elmhurst WWTP	IL0028746	YES	YES	YES
Glenbard WW Authority STP	IL0021547	YES	YES	YES
Glendale Heights STP	IL0028967	YES	YES	YES
Hanover Park STP#1	IL0034479	YES	YES	YES
Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) – Egan WRP	IL0036340	YES	YES	YES
MWRDGC – Hanover Park WRP	IL0036137	YES	YES	YES
Roselle-Devlin STP	IL0030813	YES	YES	YES
Roselle-J Botterman WWTF	IL0048721	YES	YES	YES
Salt Creek SD	IL0030953	YES	YES	YES
West Chicago Regional WWTF	IL0023469	YES	YES	YES
Wheaton SD	IL0031739	YES	YES	YES
Wood Dale North STP	IL0020061	YES	YES	YES
Wood Dale South STP	IL0034274	YES	YES	YES
Bensenville South STP	IL0021849	YES	N/A	YES
Itasca STP	IL0079073	YES	N/A	YES

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

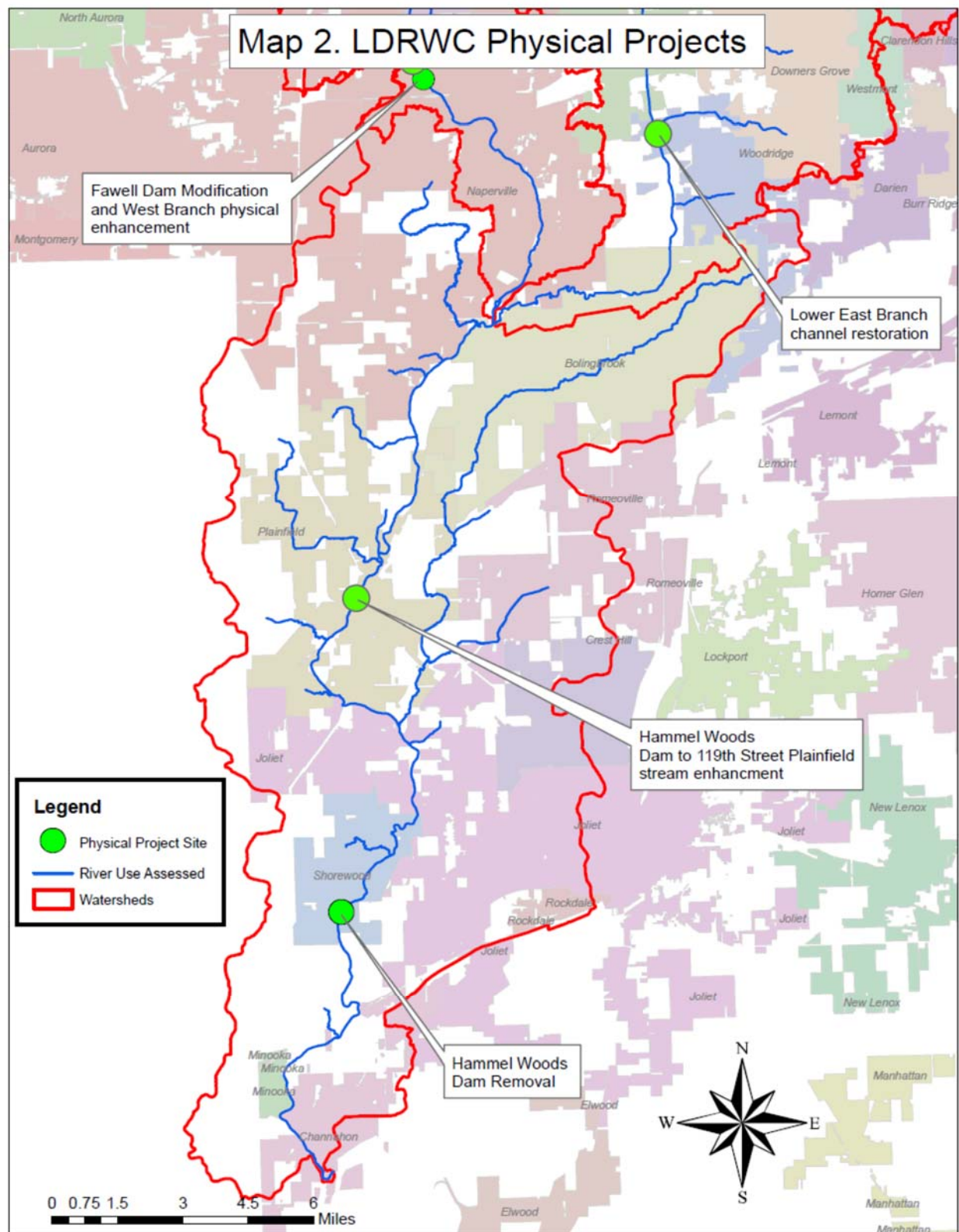
Table 2. *Participation in the LDRWC Special Condition Permit 2020-2021.*

POTW Owner/ Facility Name	NPDES No.	Membership Dues Paid 2020-2021	Assessment Paid for Paragraph 2 Table Project Funding*	Assessment Paid for Chloride Reduction/NIP/QUAL 2k/Trading Program
Naperville Springbrook WRC	IL0034061	YES	YES	YES
Bolingbrook STP#3	IL0069744	YES	YES	YES
Plainfield STP	IL0074373	YES	N/A	YES
Joliet Aux Sable Plant	IL0076414	YES	N/A	YES
Crest Hill West STP	IL0021121	YES	N/A	YES
Minooka STP	IL0055913	YES	N/A	YES

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



Map 1. Map of DRSCW physical projects set out in the Special Condition.



Map 2. Map of the LDRWC physical projects set out in the Special Condition.

Chapter 1 Physical Projects

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

1.1 Oak Meadows Dam Removal and Stream Restoration

- Special Condition Completion Date – December 31, 2016 (dam removal), December 31, 2017 (stream restoration)
- Project Status – Dam removal and stream restoration are complete. The post-project monitoring phase was completed in 2019. Future monitoring of the project area will be completed in conjunction with the bioassessment program. Salt Creek's next bioassessment is scheduled for the Summer of 2021.

Summary of Results – Post project survey results: mean QHEI increased from 57.25 to 69.3 in 2017 to 70 in 2018 and 71.25 in 2019. Mean mIBI increased from 23.6 (based on 2013 data) to 33.2 in 2017, to 34.9 in 2018, and to 40.85 in 2019. Additionally, 13 of the 21-high value rheophilic taxa identified at the site were only identified post-project.

1.1.1. Site Description

The 2016 Annual Report provided a site description.

1.1.2. Design Characteristics

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

1.1.3. Project Implementation

The 2017 Annual Report detailed the project implementation.

1.1.4. Project Impact Evaluation

The 2019 Annual Report detailed the post-project monitoring phase of the project. Future monitoring of the project area will be completed in conjunction with the bioassessment program and will be completed in 2021.

1.2 Fawell Dam Modification

- Special Condition Listed Completion Date – December 2018, Extended to December 2021. Based on feedback from DuPage County (dam's owner) and the fish ladder

manufacturer DRSCW will advise IEPA if more time is necessary. This should be known by June 2021.

- Status – In design and permitting phase.

The objective of the project is to allow fish passage through the Fawell dam. To accomplish this, the original design approach focused on modifying the dam's primary spillway, which consists of three box culverts. In June 2018, the Dam's owner (DuPage County Division of Storm Water Management (DC SWM)) revealed that due to recent repairs to the dam structure they could no longer support direct structural modifications of the culvert system. The dam is a flood control structure operated by DuPage County Stormwater Management and must be fully functional as such post project

In response the project team, including the dam's owner, DC SWM, reviewed alternative approaches to establishing fish passage at the dam which did not involve any proposed structural modifications.

After a review of options, a proposal involving a modular fish ladder system designed by BK Riverfish, LLC from Massachusetts was proposed (Plate 1). During 2020 the project team evaluated the possibility of installing the system directly into one of the Fawell Dam's culverts. This approach has a number of advantages; no structural change to the culverts, no change to gate operations, and minimization of any post project changes in upstream and downstream water elevations.

A review team made up of DC SWM, FPDDC, IDNR and DRSCW met with the designer between 3/03/2020 and 3/04/2020 including a hands-on visit to the site.

Plate 1. Sections of the ladder being prepped for placement at the Eel River site.



In August 2020 a proposal was sent to DC SWM for review. Proposal included details on the installation's footings, modification of the boulder field at the tail race of the splash pad, hinged section to allow gate operations and upstream debris bollards. Additionally, initial modelling details on impacts on post project water elevations were also supplied. Permits from IDNR-OWR, USACE, and DuPage County need to be obtained by the project. Depending on the permitting process and manufacturing lead time, the goal would be to install the system in late 2021.

1.2.1. Site Description

The 2017 Annual Report provided a site description.

1.2.2. Design Characteristics

The 2020 Annual Report provided a detailed review of design characteristics including a review of the species passed by the system on the Eel River in comparison with the species of the Lower West Branch DuPage River.

The proposal sent to DC SWM includes (from downstream end):

- Dropping the crest of the downstream riprap armoring to eliminate the backwater (see Plate 2). The riprap material has been moved into its current configuration over time by traction created during high flows. The new configuration may need to be fixed in place post project.
- Extending the ladder down through the elevated lip at the downstream end of the splash pad to create a flow of attraction.
- Hinged section where the ladder exits the upstream end of the culvert to allow the ladder to be moved aside if the gate needs to be closed.
- A number of instream bollards to protect the upstream end of the ladder from debris.

1.2.3. Permitting Requirements

The project will require:

- Stormwater management certification demonstrating compliance with the DuPage County Countywide Stormwater Ordinance. It is anticipated that a separate Floodway Construction permit will not be required by IDNR-OWR but will be reviewed as part of the County permitting process.
- Compliance with DuPage County and US Army Corps of Engineers (USACE) requirements associated with wetlands, Waters of the U.S., buffers, and sediment and erosion control. It is assumed that the proposed improvements qualify for USACE Regional Permit (RP) 5, Wetland and Stream Restoration and Enhancement, which also typically requires submittal of a Stormwater Pollution Prevention Plan (SWPPP) to Kane-DuPage Soil & Water Conservation District as part of the permitting process.

Although it is anticipated that the existing gate operations and structural components of the dam will not be modified, a Major Modification of Existing Dam Permit from the Illinois Department of Natural Resources – Office of Water Resources (IDNR-OWR) may be required.

***Plate 2.** The view south (downstream) from the dam showing the backwater affect created by the accumulated riprap. The high crest on the riprap is the result of material movement caused by the high flows through the culvert system (directly beneath the viewer’s position).*



1.2.4. Design Progress Report

The proposal was sent to DuPage County (DC SWM) in August 2020 for review.

1.2.5. Project Impact Evaluation

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

There are several possibilities for additional instream monitoring for fish movement through the system which are being evaluated based on updated proposal.

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

- Special Condition Listed Completion Date – December 2019
- Status – Construction is complete. Delays during construction were caused by the unusually wet weather encountered in 2019, by the highly mobile sediments encountered in Reach C and additional protocols created by pandemic procedures.

Objective – Based on the pre-project monitoring results the objective was refined. Both the pre-project results and post project objectives are shown in Table 3.

Table 3. Target QHEI, mIBI, and fIBI scores generated for Spring Brook from the 2018 sampling.

Parameter	All Monitoring Sites (5 sites)	Footprint proper sites (3 sites RM 0.75 -1.42)
QHEI	>54.8	> 52.5
MIBI	> 50.1	> 42.8
FIBI	> 19.4	> 17

The project was managed by the Forest Preserve District of DuPage County (FPDDC). The construction, permitting, and long-term monitoring was funded by the FPDDC, the Illinois Tollway and the DRSCW.

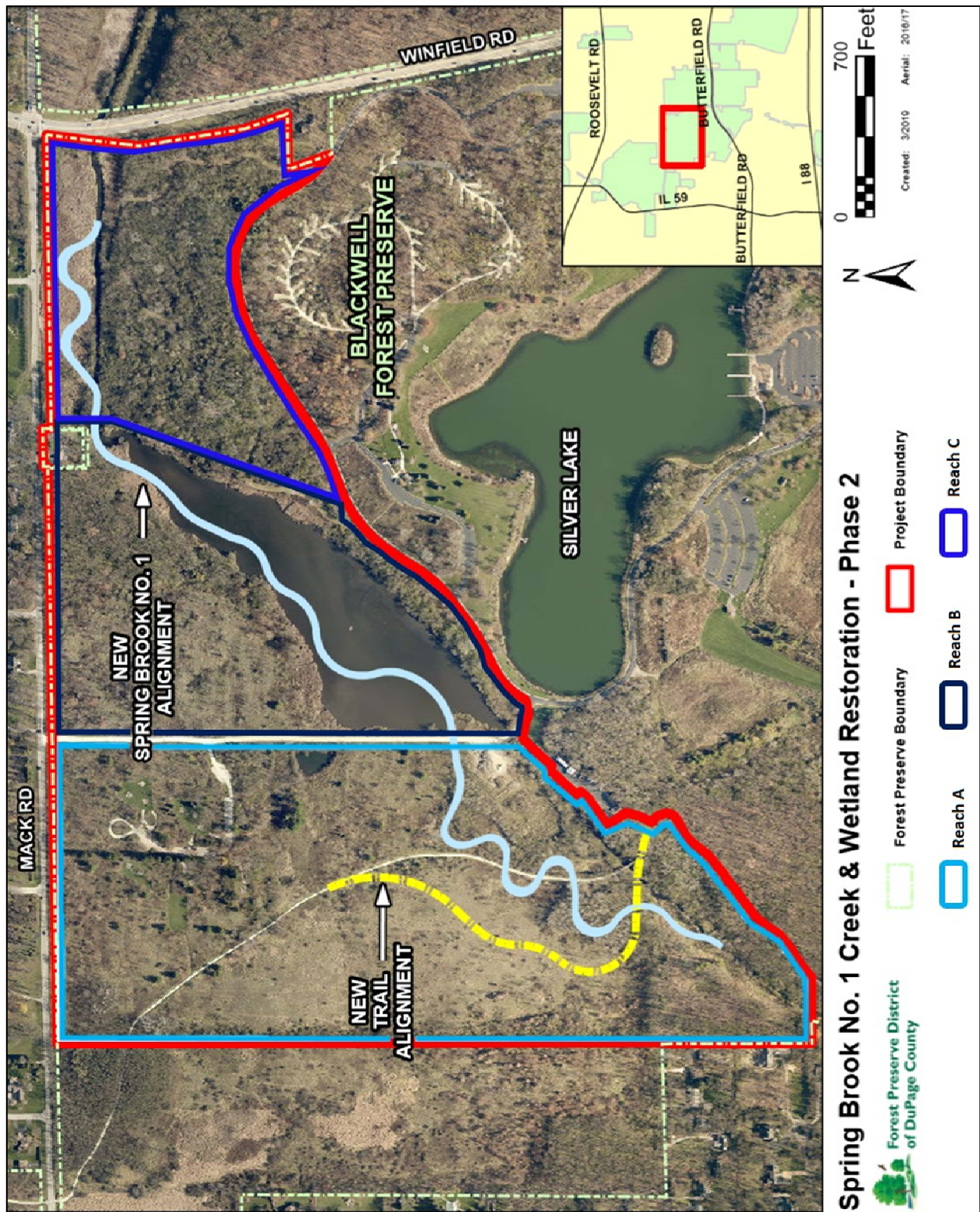
1.3.1. Site Description

The Phase 2 Project is located in unincorporated DuPage County in Blackwell Forest Preserve (Map 3). The project footprint limits are entirely on FPDDC property. The project runs along Spring Brook #1. The downstream limit is approximately 400' downstream of the existing unnamed pedestrian bridge, which runs south from Mack Road and east of Williams Road. The upstream limit is Winfield Road. The project is immediately downstream of the Spring Brook #1 Stream and Wetland Restoration Project (Phase 1) constructed in 2015.

The 2018 Annual Report provided details on the Project's design in the section entitled "Design Progress Report".

1.3.2. Design Characteristics

The 2017 Annual Report provided details on the Project's design characteristics in sections titled Existing Conditions and Proposed Conditions.



Map 3. Construction reaches of Spring Brook No.1 Creek & Wetland Restoration – Phase 2.

1.3.3. Permitting Requirements

All necessary project permits have been issued and received. The 2018 Annual Report provided details on the permits and their issuing agencies required for the project.

1.3.4. Project Implementation

As previously reported, by the end of February 2020 crews completed construction of the new channel in Reach C, the reach furthest upstream and closest to the intersection of Mack and Winfield Roads. Expecting spring rains, construction paused in anticipation of favorable, drier, summer weather. Map 3 denotes the location of each Reach of the project.

In May 2020, crews seeded and planted tens of thousands of plugs along the banks and in the floodplain of Reach A and Reach C. Nearly daily irrigation was necessary to ensure survival and establishment during the late spring and early summer.

Stream construction resumed in the first week of July 2020. As expected, crews discovered, soft, silty, sediment in Reach B (site of the former impoundment), often at depths over 15'. To create a stable channel, crews excavated wide cross-sections, replaced soft material with stable clay, and armored the new stream banks with cobble. Construction of Reach B lasted six weeks; and with all three reaches complete, flow of Spring Brook was diverted into the newly constructed channel on August 27, 2020.

In the days following the diversion, Forest Preserve District staff conducted fish surveys in the now-isolated reaches of the former channel. Over 1,100 individual fish representing 22 species were collected and translocated into the new stream. A detailed summary can be found in Attachment 3 as well as on the FPDDC website at <https://www.dupageforest.org/blog/spring-brook-fish>.

Following construction of the stream channel, finishing touches were completed on both bridges and the regional trail. After 1.5 years of trail closure, the new regional trail situated outside of the floodplain was reopened to pedestrians on November 2, 2020.

With cold winter temperatures and snow cover, conditions were good in January and February 2021 to selectively remove non-desirable vegetation in the uplands surrounding the riparian corridor.

Now that construction is complete, 2021 marks the first of 5 years of the required maintenance, monitoring, and reporting period. Plates 3 to 8 document work conducted in 2019-2020 on Springbrook Phase 2.

Plate 3. *Planted in 2019, banks of Reach A were taking root in July 2020.*



Plate 4. *Excavation of a new Spring Brook channel in Reach B, a former impoundment created by a dam, continued in July 2020.*



Plate 5. *Flow of Spring Brook No. 1 was diverted into a new channel on August 27, 2020.*



Plate 6. *Without water flow in the former channel, Forest Preserve staff collected and inventoried isolated fish to translocate into the new channel.*



Plate 7. Trail base was laid outside the floodplain for a newly routed regional trail in October 2020.



Plate 8. Aerial image showing the completed project in October 2020.



1.3.5. Project Impact Evaluation

Pre-project monitoring was included in the 2018 Annual Report. No monitoring was conducted in 2019 and 2020 due to on-going construction. Post-project monitoring will begin in 2021.

1.4 Fullersburg Woods Dam Modification Concept Plan Development

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

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

1.5 Fullersburg Woods Dam Modification and Stream Restoration

- Special Condition Listed Completion Date – December 2021
- Status – Outreach and Education Campaign is ongoing (started 2017). Master Planning process was completed in 2020. Final Design/Construction is in progress and is scheduled for completion in 2022-2023.

The project is on the Salt Creek mainstem; its objectives are to raise QHEI above its current score of 39.5, raise fIBI at the sites upstream of the dam above its current score of 19.0, raise mIBI above its current score of 17 for approximately 1.5 river miles and to improve dissolved oxygen (DO) in the impoundment, as compared to the 2007-2018 data set. The DRSCW will be collaborating with FPDDC and DuPage County Stormwater Management (DC SWM) on this project. DRSCW has budgeted \$4,975,000 for this project.

1.5.1. Site Description

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

1.5.2. Research and Public Outreach

The plan to modification of the Fullersburg Woods (Graue Mill) dam encountered significant public opposition. The concept plan prepared in 2016 included a framework for reaching out to stakeholders, listening to their concerns and soliciting feedback so that the final design proposal could incorporate features based on their input. In 2018, the DRSCW replaced its original outreach coordinator with Aileron Communications and updated the research and public outreach work plan. Below includes each task and work completed in 2020.

Phase 1: Public Opinion Research

The 2019 Annual Report included details on Phase 1 of the Public Opinion Research.

Phase 2: Communications and Outreach

As the DRSCW moved forward with the preparation of a Master Plan for Salt Creek at Fullersburg Woods (see Section 1.5.3 for more details) that included modifying the Graue Mill Dam, the DRSCW signed a contract with Aileron Communications to continue providing services during this phase of the project. Work included communications and outreach efforts that would take place before the master plan was shared with the public, as well as communications strategy and support for public outreach on the master plan. These steps were designed to align support for the DRSCW's goals, increase the public's trust in the workgroup and help the public understand the importance of dam modification projects.

Please find below summaries of each task associated with the Communications and Outreach tasks for the Master Plan for Salt Creek at Fullersburg Woods completed in 2020. Details on the 2020 activities can be found in the Master Plan for Salt Creek at Fullersburg Woods, Public Outreach and Engagement Report, dated September 2020. http://restoresaltcreek.org/wp-content/uploads/2020/09/masterplan_publiccommentreport_09142020final.pdf

Task 1: Press Announcements and New Stories

Aileron worked with the DRSCW to create materials to improve the public understanding of the broader context of watershed restoration efforts and the benefits of dam modification. This effort also helped us build relationships between DRSCW and local media before the Master Plan for Salt Creek at Fullersburg Woods was presented to the public.

The first article was published by the Daily Herald on March 22, 2020. It was focused on the water and habitat improvement recorded following dam removal and restoration of the Oak Meadows dam site (See Section 1.1 of the 2020 report for additional information on the project at the Preserve at Oak Meadows).

On April 7, 2020, a virtual press conference was held to discuss dam removals in Illinois. Presentations on ongoing/future dam removal/modification work were given by representatives from Illinois Department of Natural Resources, DRSCW, Kane County, Fox River Study Group, Friends of the Chicago River and Chicago Park District. The following newspapers/news outlets attended the press conference: Chicago Sun Times, Daily Herald, Patch, Aurora Beacon News, NW Herald, Independent News, Kane County Chronicle, WBEZ, and Journal Topics. Additionally, the recording of the press conference was made available to additional newspaper and news outlets via email. The following news articles resulted from the Virtual Press Conference:

State Funding Steps Up Fox River Dam Removal Projects. Kane County Chronicle. April 7, 2020.
<https://www.kcchronicle.com/2020/04/07/state-funding-steps-up-fox-river-dam-removal-projects/aphr45r/>

Chicago rivers: A discussion on dam removals on the Des Plaines, Fox, DuPage and Chicago rivers. Chicago Sun Times. April 11, 2020.
<https://chicago.suntimes.com/2020/4/11/21217411/chicago-rivers-discussion-dam-removals-des-plaines-fox-dupage-chicago-rivers>

Planning Underway for Carpentersville Dam Removal on Fox River in 2020. Chicago Tribune. April 14, 2020.
<https://www.chicagotribune.com/suburbs/elgin-courier-news/ct-ecm-carpentersville-dam-fox-river-st-0415-20200414-ykg4xfur3be4fhwowowpf3sk44-story.html>

Village Considers Dam Removal. Aurora Beacon News. June 9, 2020
https://digitaledition.aurorabeaconnews.chicagotribune.com/infinity/article_share.aspx?guid=de724e15-d230-4697-88e4-0e5b57400d72&fbclid=IwAR3KnBb52e4c-8HsD6E17CyGVH6XbbhaxZxl7XLwpp-3wJI4J8MhL5kARMU

Task 2: Public Open Houses

DRSCW hosted two public open houses and held a 30-day public comment period to solicit input and comment on the draft Concept Master Plan for Salt Creek at Fullersburg Woods (see Section 1.5.3 for more details).

Advertising Tactics for the Master Plan for Salt Creek at Fullersburg Woods

The DRSCW and Aileron used a three-pronged approach in educating stakeholders and soliciting input on the Concept Master Plan for Salt Creek at Fullersburg including awareness, education, and engagement activities (Table 4).

Table 4. *Three-pronged approach to educating stakeholders for the Concept Master Plan for Salt Creek at Fullersburg Woods.*

Awareness	Education	Engagement
Public Notice	RestoreSaltCreek.org	Virtual Open Houses
News Coverage	Background Videos	Stakeholder Follow-Up
Newsletter	Fact Sheets	Public Comment Form
Social Media	Stakeholder Meetings	
Email Campaigns		

Details on these can be found in the Master Plan for Salt Creek at Fullersburg Woods, Public Outreach and Engagement Report, dated September 2020. http://restoresaltcreek.org/wp-content/uploads/2020/09/masterplan_publiccommentreport_09142020final.pdf

Public Open Houses

The DRSCW hosted two virtual open house events to allow the public to learn more about the project and ask questions of DRSCW staff. While public health restrictions made large in-person meetings impossible, the virtual open houses were well attended and gave members of the public an opportunity to learn about the project and ask questions in a live format, as well as watch recordings of the events after the fact.

The virtual open houses took place on July 7 at 7:00 PM and on July 9 at 11:00 AM and each event lasted approximately 110 minutes. 78 people attended the July 7th open house and 71 people attended the July 9th event. Recordings of the webinars were viewed approximately 120 times during the public comment period.

The open houses consisted of a presentation by Stephen McCracken of the DRSCW followed by a question and answer session. DRSCW staff answered more than 80 questions from the public during the two open house events.

The recordings of the Open House events are available at RestoreSaltCreek.org.

30-Day Public Comment Period

The public comment period for the Master Plan for Salt Creek at Fullersburg Woods was open from July 7 through August 7, 2020. Comments were collected via an online form that was available to anyone. The comment form requested that participants watch the open house recordings and background videos if they had not attended one of the virtual open houses. Commenters were required to provide their name and address.

As described in the public outreach section of this report, the DRSCW invited the public to provide comment and worked to build public awareness of the opportunity for comment. During the comment period, the Workgroup published a second public notice in the Daily Herald, held additional meetings with stakeholders, and used email and social media outreach to make sure the public was aware of the opportunity to comment.

Table 5 includes a summary of the Public Comment form and results. A total of 172 comments were received via the public comment process. 96 of those who commented shared “additional thoughts” on the Master Plan. 91% of the public comments were supportive of the Master Plan

and 86% indicated strong support. 9% of the comments were opposed to the plan with 8% strongly opposed. Responses were largely consistent across the various questions, positive responses ranged from 87-92% across the survey questions and negative responses ranged from 8-13%. While a number of comments did express strong opposition to the project, the public comments overall were strongly in support of the Master Plan.

Table 5. Master Plan for Salt Creek at Fullersburg Woods Public Comment Form and Results.

Question	Summary of Results
1. Did you watch the open house webinar about the Master Plan for Salt Creek at Fullersburg Woods?	Yes: 73.68% No: 26.32%
2. Did you watch the background information webinars about the Master Plan for Salt Creek at Fullersburg Woods?	Yes: 76.16% No: 23.84%
3. Have you visited Fullersburg Woods in the last year?	Yes: 67.44% No: 32.56%
4. What's your primary reason for visiting Fullersburg Woods?	Recreation: 56.77% Watch Animals: 5.81% Scenery: 24.52% Visit Historic Sites: 9.68% Learn about Nature: 3.23%
5. Do you understand the benefits of the Master Plan?	Yes: 92.44% No: 7.56%
6. Have your questions about the Master Plan been adequately answered?	Yes: 88.89% No: 9.94% Unsure: 1.17%
7. Do you understand the legal requirements to improve water quality in Salt Creek?	Yes: 92.99% No: 4.09% Unsure: 2.92%
8. Do you think the Master Plan would improve opportunities for recreation?	Yes: 90.70% No: 9.30%
9. Do you think the Master Plan would improve habitat for fish, plants and animals?	Yes: 91.81% No: 8.19%
10. Do you think the Master Plan would improve scenery in the area?	Yes: 90.59% No: 9.41%
11. Do you think the Master Plan would preserve the historic character of the site?	Yes: 90.00% No: 10.00%
12. Do you think the Master Plan would improve opportunities for the public to learn about nature?	Yes: 90.12% No: 9.88%
13. Do you think the Master Plan would improve public safety?	Yes: 87.20% No: 12.80%
14. Do you think the Master Plan would improve water quality in Salt Creek?	Yes: 92.44% No: 7.56%
15. Do you think the Master Plan is a good use of financial resources?	Yes: 90.70% No: 9.30%
16. Do you support the Master Plan for Salt Creek at Fullersburg Woods?	Yes: 90.64% No: 9.36%
17. How would you rate your support for the Master Plan?	Support: 90.70% Oppose: 9.30%

Details including all submitted comments and attendance sheets for the Public Open Houses can be found in the Master Plan for Salt Creek at Fullersburg Woods, Public Outreach and Engagement Report, dated September 2020. http://restoresaltcreek.org/wp-content/uploads/2020/09/masterplan_publiccommentreport_09142020final.pdf

1.5.3. Design Progress Report

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

In June 2019, the DRSCW entered into a contract with AECOM Technical Services (AECOM) for the development of a Master Plan for Salt Creek at Fullersburg Woods. The scope of work for the Master Plan at Salt Creek at Fullersburg Woods and the work conducted to date is discussed below.

Task 1: Topographic and Bathymetric Survey

The topographic field survey and DOR measurements were completed in late July/early August 2019 and discussed in detail in the 2019 Annual Report.

Task 2: Wetlands/Waters of the United State (WOTUS) Assessment

The WOTUS assessment was completed in 2019 and discussed in detail in the 2019 Annual Report. In 2020, jurisdictional determination was issued by the United States Army Corps of Engineers. Additionally, DuPage County confirmed the wetland boundaries of wetlands under the County's jurisdiction.

Task 3: Sediment Sampling Analysis

Preliminary Sediment sampling analysis was completed in 2019 and discussed in detail in the 2019 Annual Report.

Task 4: Alternatives Analysis and Cost Estimates

The Alternatives Analysis was completed in 2019 and discussed in detail in the 2019 Annual Report.

Task 5: Coordination and Alternative Selection Meetings

Work in this task included five (5) meetings between AECOM and the DRSCW. These meetings include a Project Kickoff (July 2019, two progress meetings to discuss the alternatives analysis (January 24, 2020 and February 4, 2020), a meeting to select the preferred alternative (March 11, 2020), and a meeting to present the Final Master Plan (May 2020).

Task 6: Pre-Application Meetings

Due to the Covid-19 quarantine and restrictions on in-person meetings, this Task was moved to Phase 2 - Concept Master Plan for Salt Creek at Fullersburg Woods Final Design Engineering and Preparation of Contract Bid Documents (see Section 1.5.3.2 for more details).

Task 7: Master Plan for Salt Creek at Fullersburg Woods

The Concept Master Plan for Salt Creek at Fullersburg Woods was completed in September 2020. As detailed in the Master Plan, this project goes beyond dam removal, it is a full stream corridor restoration project. The Master Plan will improve water quality and increase recreation and education opportunities on Salt Creek while being efficient with taxpayer money relative to other options. The Master Plan addresses this series of objectives by putting focus on the following:

- Water Quality Improvements -- The Concept Master Plan relies on the benefits of healthy, naturally free-flowing rivers to improve water quality in Salt Creek beyond what could be achieved through additional public spending on wastewater treatment. In addition to improvements at the Graue Mill dam site, over a mile of river upstream of the dam will be restored by creating wetlands, planting native vegetation, enhancing in-stream habitat and more. These enhancements will be designed to improve the aquatic habitat of Salt Creek and promote healthy populations of fish, macroinvertebrates, birds, and reptiles.
- Recreation and Education Opportunities -- The project benefits go beyond ecology. The Concept Master Plan for Salt Creek at Fullersburg Woods includes education and recreational elements to complement the water quality improvements. Proposed amenities include canoe/kayak launches, fishing stations that provide access to the creek and educational signs. Content for the educational signs will focus on the benefits of dam removal and stream restoration as well as honoring the history of the site and its milling operations.
- Responsible Public Investment -- The Concept Master Plan will allow upstream communities to forgo hugely expensive upgrades at their wastewater treatment plants recommended by the 2005 DO TMDL, by implementing the second phase of the alternative DO plan for Salt Creek. Analysis shows that improvements to water and stream resource quality due to the dam removal are more effective and cheaper than plant upgrades. Plant upgrades have been estimated at \$213 million in capital costs and \$7 million a year in increased operating costs. Such upgrades will marginally improve

water quality but cannot restore the river's fish biodiversity or the habitat upstream of the dam.

Renderings of all aspects of the project including the rock/riffle structure that will replace the dam, stream restorations practices, and recreation and education amenities are included in the Concept Master Plan (see Attachment 4 – Executive Summary).

The Concept Master Plan for Salt Creek also includes:

- A summary and findings of Tasks 1-5;
- Renderings prepared as part of Task 4 and additional renderings of the preferred alternatives as well as the stream corridor;
- A summary of all permits that will be required by the project;
- Estimate for engineering fees to complete the Final Engineering Design and Permit; and
- Construction cost opinion

The Concept Master Plan for Salt Creek at Fullersburg Woods can be found at http://restoresaltcreek.org/wp-content/uploads/2020/09/concept-master-plan_09.17.20-final.pdf

Task 8: Needs Analysis

This task was completed and is included in the Concept Master Plan for Salt Creek Fullersburg Woods (see Task 7 for more details).

On October 6, 2020, board members of the Forest Preserve District of DuPage County, which owns the Fullersburg Woods dam and Forest Preserve, voted to enter into a lease agreement with the DRSCW. The lease agreement grants the DRSCW permission to implement all aspects of the Concept Master Plan for Salt Creek at Fullersburg Woods including the removal of the dam.

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

In early January 2020, the DRSCW entered into a contract with Hey and Associates, Inc. for the final design engineering and preparation of contract bid documents for the Concept Master Plan for Salt Creek at Fullersburg Woods. The scope of work included in this contract is discussed below. Preliminary work on the contract which began in early 2021 will continue through 2022.

Task 1 –Hydraulic and hydrologic modeling

Task 1 includes the development of a hydrology/hydraulic model(s) necessary for design, permitting, and construction. Modeling will ensure that the design of the dam removal and in-stream features meet the enhancement goals of the project, are sustainable for the long-term, and do not negatively impact downstream or upstream properties.

Task 2 – Final Design Engineering

Task 2 includes the final design engineering of all project components, including but not limited to, the removal of the Fullersburg Woods dam and its replacement with a rock/riffle feature; stream restoration practices; and recreation amenities as included in the Concept Master Plan for Salt Creek at Fullersburg Woods. This Task also includes the final design of the Graue Mill's raceway that will include a method to maintain water level and flow (disconnected from Salt Creek) in the raceway and provisions to power the mill's waterwheel. The Dam structure investigation will also be included as part of this Task.

Task 3– Characterization of on-site sediment

Task 3 focuses on the development of a soil characterization plan and the collection of sediment samples. Once the existing conditions are determined, Hey and Associates will develop a sediment management plan and dredge and disposal plan as required to obtain all permits to construct the project.

Task 4 – Rehabilitation of Floodwall

The Nature Education Center at Fullersburg Woods has significant basement flooding due to leakage of the existing floodwall. As part of this task, Hey and Associates will inspect the existing sheet pile floodwall and develop appropriate solutions to eliminate leaking and extend the lifespan of the floodwall. Cost estimates will also be developed for each solution. The preferred solution will be incorporated into the final design of the project.

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

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

- US Army Corps of Engineers (US ACOE)
- United States Fish and Wildlife Service
- Department of Interior National Park Service
- Illinois Department of Natural Resources (IDNR)-Office of Water Resources (OWR)
- IDNR – Cultural Resources Program

- Illinois State Historic Preservation Office (SHPO)
- DuPage County Stormwater Management
- Kane-DuPage Soil and Water Conservation District
- Forest Preserve District of DuPage County
- Illinois Environmental Protection Agency (IEPA)
- Village of Oak Brook

Task 5 also includes the completion of Historic American Engineering Record (HAER) Documentation of the Graue Mill, Fullersburg Woods dam, and surrounding area.

Task 6 –Preparation of Cost Estimate and Contract Bid Documents

Task 6 includes the preparation of contract bid documents and cost estimates per the specifications of the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC). Hey and Associates, Inc. will also provide Bid Assistance by addressing contractor questions during the public bid process.

Task 7 – Coordination Meetings

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

1.5.4. Project Impact Evaluation

Pre-project monitoring for the Fullersburg Woods Dam Modification project was completed in 2019 and 2020. Map 4 depicts the locations of the samples collected by the DRSCW. Table 6 includes the results of the pre-project 2019 and 2020 survey collected by the DRSCW. Figure 1-4 depict the pre-project FBI scores (Figure 1); MIwb scores (Figure 2); mIBI scores (Figure 3), and QHEI scores (Figure 4). It is also important to note that fish sampling found 24 species, including 21 native species, downstream of the dam but only 9 species with 7 native species upstream of the dam. These results highlight the need for fish passage through the Fullersburg Woods dam. Attachment 5 includes the rheophilic taxa analysis for the 2019 and 2020 pre-project monitoring at Fullersburg Woods.

1.6 Southern West Branch Physical Improvement

- Special Condition Listed Completion Date – December 2022
- Status – Concepts are being developed along with the Fawell Dam Modification Plan.

The DRSCW budgeted \$1,465,071 for the period 2019 to 2021.

Table 6. *fIBI, mIBI, and QHEI baseline data collected in 2019 and 2020 for the Fullersburg Woods Dam Modification.*

Site ID		River Mile	Drainage Area (sq mi.)	Fish IBI	MIwb	mIBI	QHEI	Attainment Status
Salt Creek 2020								
SC56		12.5	109.7	12	5.5	30.1	49.0	Non-Poor
SC56A		12.2	109.8	15	8.0	26.2	58.0	Non-Poor
SC56B		11.7	113.6	16	5.0	-	61.0	Non-Poor
SC56C		11.3	113.7	16	6.8	29.5	55.0	Non-Poor
SC53		11.0	114.0	16	7.2	24.7	49.5	Non-Poor
SC53A		10.8	114.0	12	7.4	22.7	44.0	Non-Poor
SC52		10.5	114.0	28	8.8	31.1	85.5	Non-Fair
Salt Creek 2019								
SC56		12.5	109.7	17	5.6	14.6	44.5	Non-Poor
SC56A		12.2	109.8	15	6.5	27.6	42.5	Non-Poor
SC56B		11.7	113.6	16	5.8	-	53.5	Non-Poor
SC56C		11.3	113.7	15	6.8	28.5	57.0	Non-Poor
SC53		11.0	114.0	14	7.0	20.3	54.5	Non-Poor
SC53A		10.8	114.0	13	6.7	13.2	49.5	Non-Poor
SC52		10.5	114.0	30	9.1	47.4	72.0	PARTIAL

Table 7. *Color Key to IBI scores depicted in Table 6.*

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

Table 8. *Color Key to QHEI Scores in Table 6.*

Legend: QHEI	
	Excellent
	Good
	Fair
	Poor
	Very Poor

Figure 1. Fish Index of Biotic Integrity scores in Salt Creek at the Fullersburg Dam survey area for the years of 2019 and 2020.

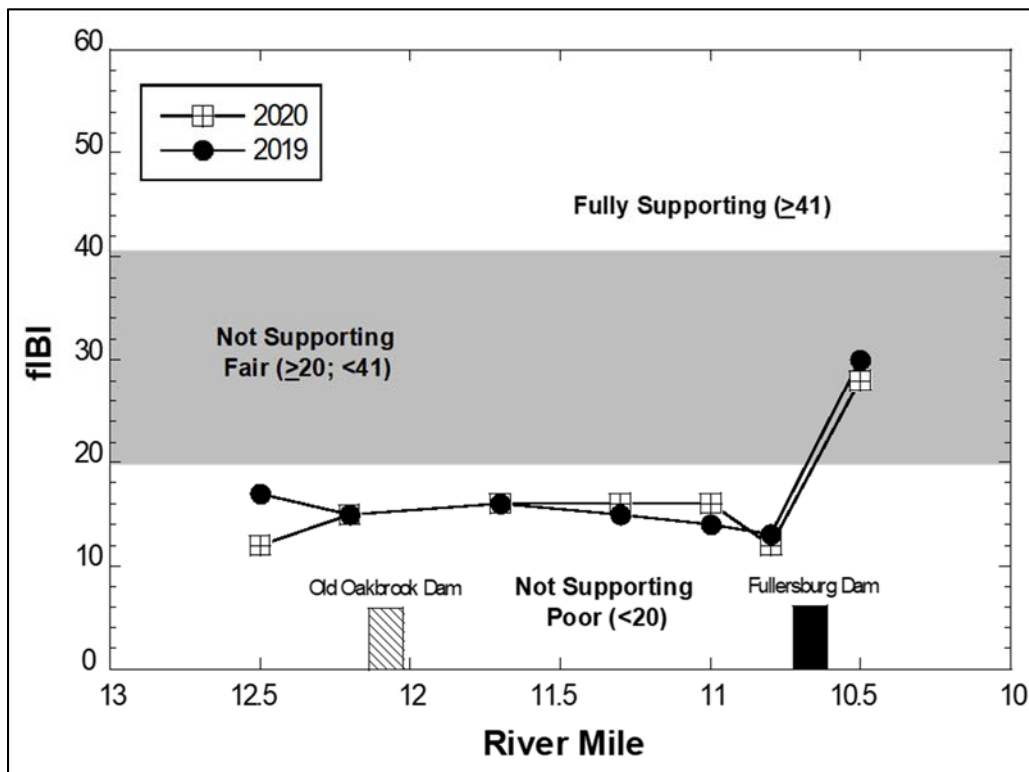


Figure 2. Modified Index of Well-Being (MIwb) scores in Salt Creek at the Fullersburg Dam survey area for the years of 2019 and 2020.

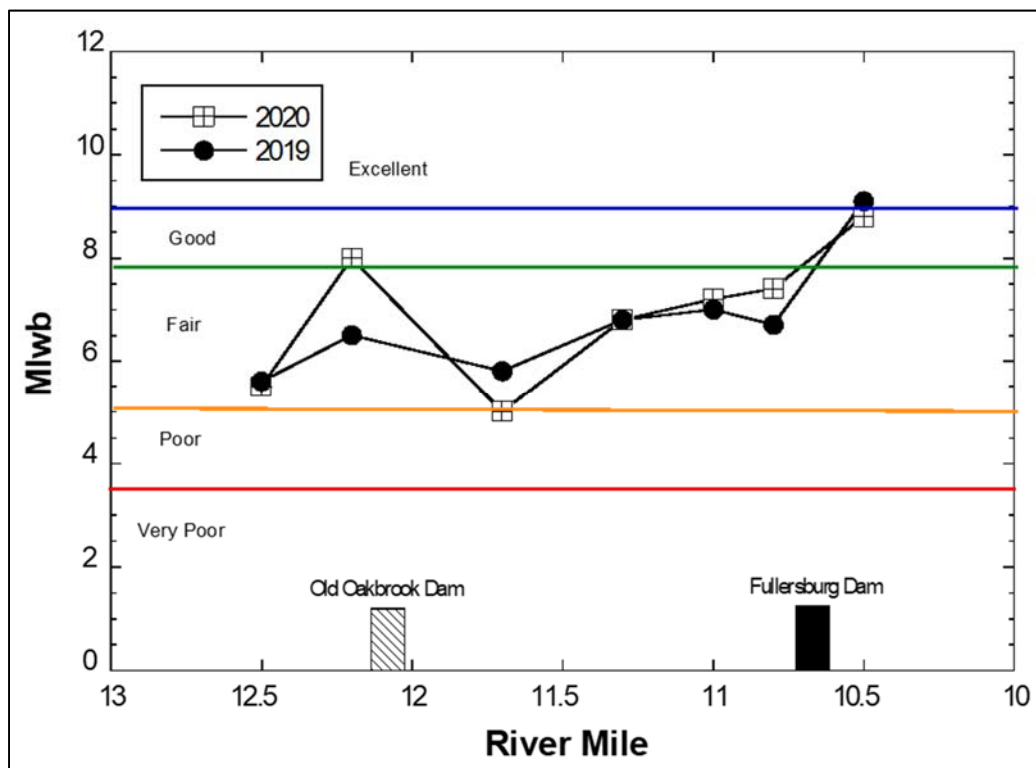


Figure 3. Macroinvertebrate Index of Biotic Integrity scores in Salt Creek at the Fullersburg Dam survey area for the years of 2019 and 2020.

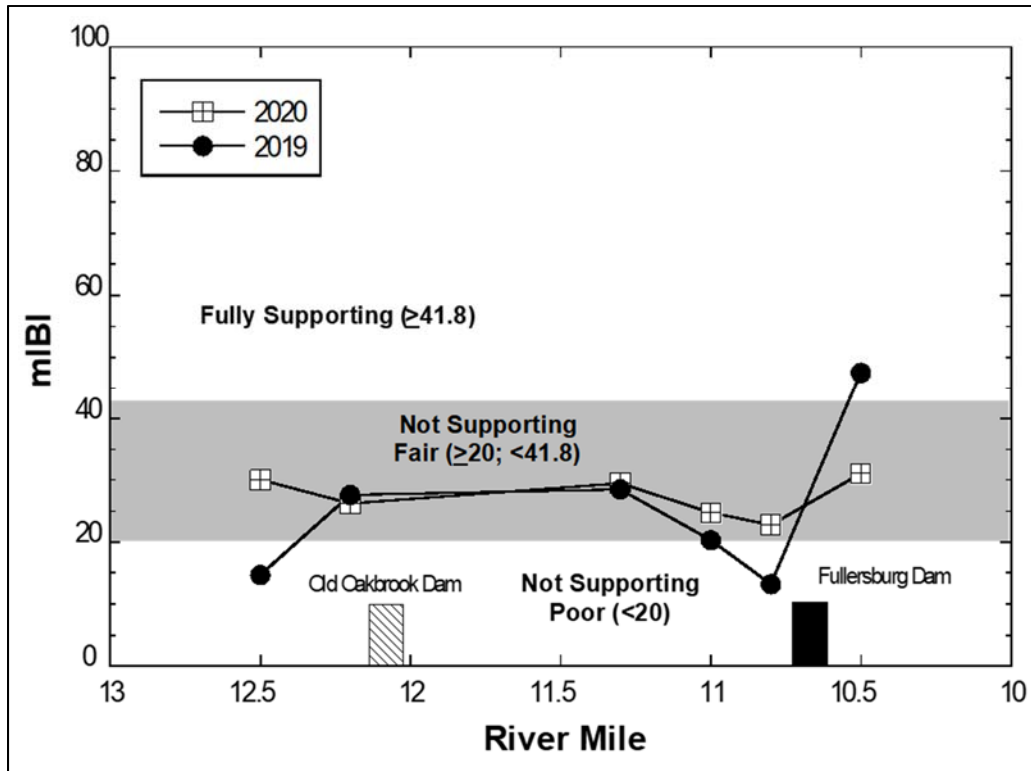
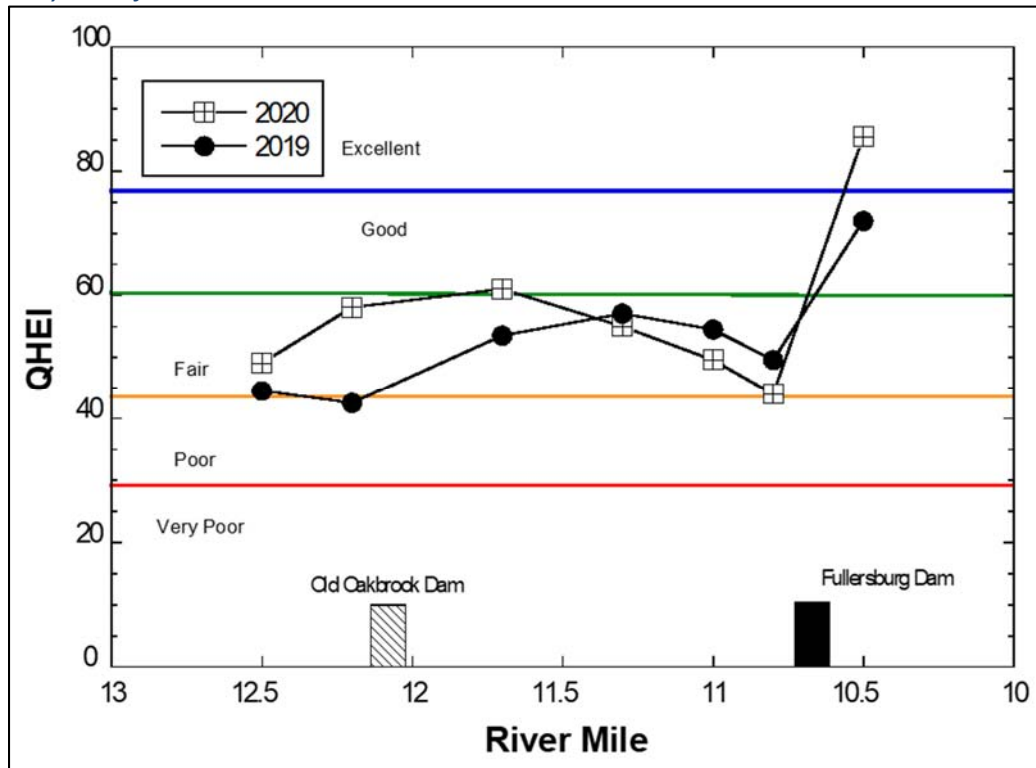
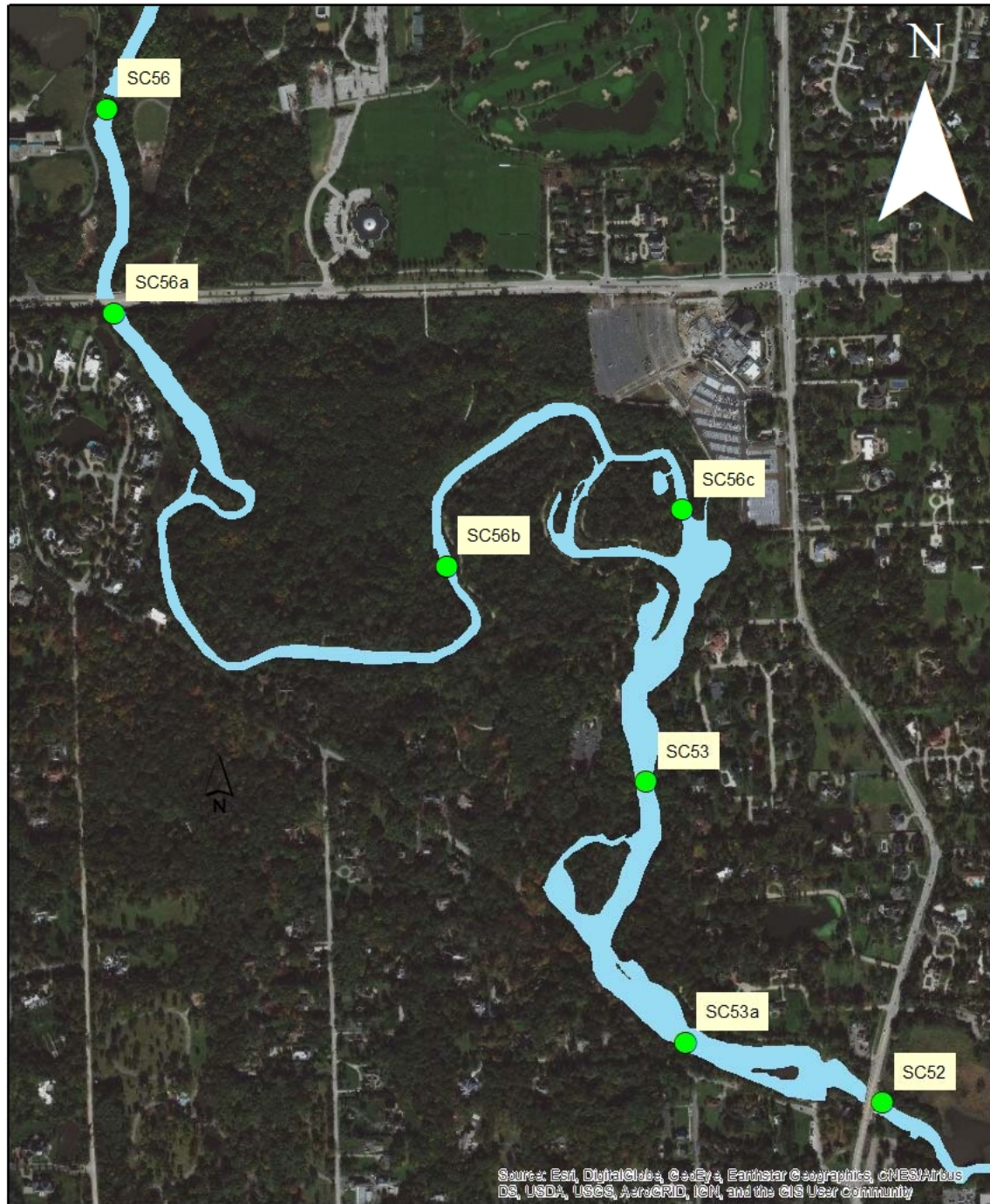


Figure 4. Qualitative Habitat Evaluation Index (QHEI) scores in Salt Creek at the Fullersburg Dam survey area for the years of 2019 and 2020.



Pre-Project Monitoring Sites, Fullersburg Woods Dam Modification Project



Legend



Salt Creek Fullersburg Woods Sample Sites



Date: 3/26/2020

Map 4. Pre-project Monitoring Locations for the Fullersburg Woods Dam Modification Project.

1.7 Southern East Branch Stream Enhancement

- Special Condition Listed Completion Date – December 2023
- Status – In planning

The DRSCW has budgeted \$2,500,000 for this project and anticipates expenditures in 2021-2023.

1.7.1. Site Description

The DRSCW is utilizing outputs from the Identification and Prioritization System Model (IPS), pre-project site assessment (2017), and fish monitoring (2019) to narrow down the location of the project where the best improvements to aquatic life can be made. It is expected that the project will be situated in the stream reach located downstream of the Green Valley Wastewater Treatment Plant and upstream of the western boundary of the Naperville Park District's DuPage River Park East.

The 2017 Report provided details on the pre-project site assessment fieldwork conducted for the Project. See Section 1.7.3 for details on the fish sampling conducted in 2019.

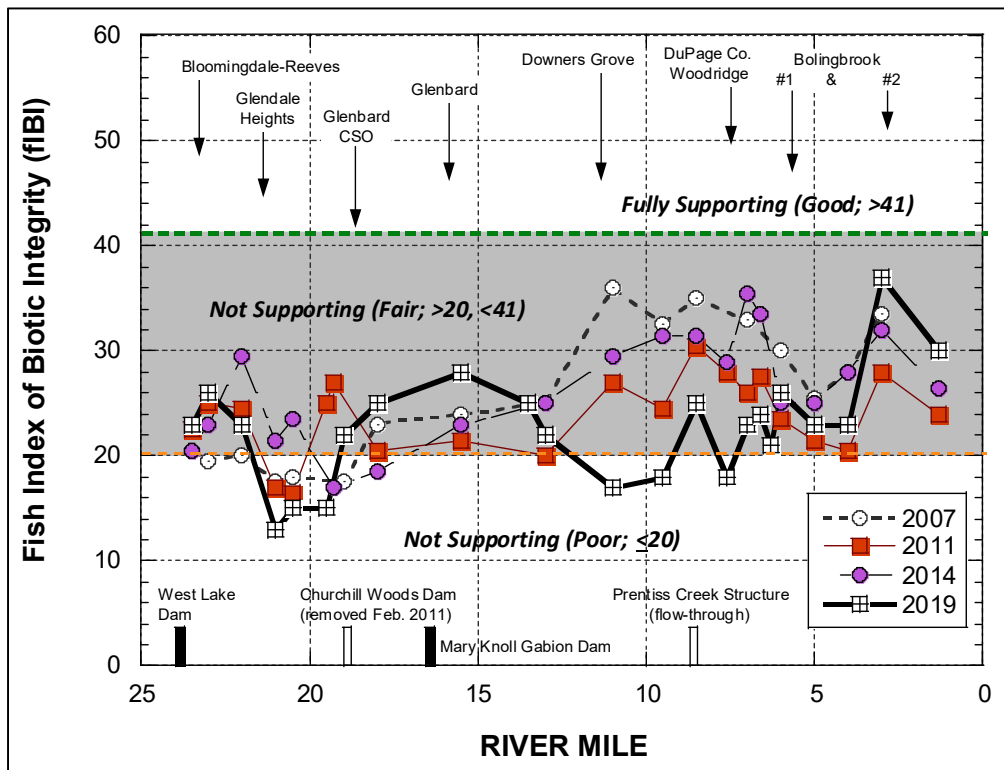
1.7.2. Design Progress Report

In order to identify and select a consultant for design engineering services and the preparation of contract bid documents for the Southern East Branch Stream Enhancement project, the DRSCW initiated a solicitation for statements of interests (SOIs) from interested firms in early 2021. Seven (7) consultant teams submitted SOIs. From the submitted SOIs, three (3) consultant teams were shortlisted and asked to prepare detailed project proposals. The DRSCW aims to select and enter into contract with a consultant team for this work by the end of April 2021.

1.7.3. Project Impact Evaluation

Figure 5 shows fIBI data collected on the main stem 2007, 2011, 2014 and 2019. The project site will be targeted on the area between river mile 2 and river mile 7. Additional higher resolution mapping is scheduled for 2021.

Figure 5. *fIBI* data collected on the main stem of the East Branch DuPage River (2007, 2011, 2019, and 2019).



1.8 Hammel Woods Dam Modification

- Special Condition Listed Completion Date – December 2023
- Status – Designs are completed and permits were submitted in November 2019. Landowner is in final discussions with permitting agencies.

The LDRWC budgeted \$600,000 for this project and anticipates expenditures in 2021-2022.

1.8.1. Site Description

The 2017 Annual Report provided a site description.

1.8.2. Design Characteristics

The 2017 Annual Report provided the design characteristics of the Project.

1.8.3. Permitting Requirements

The 2017 Annual Report provided details on the permitting requirements for the Project. Additional requirements for completing a Historic American Engineering Record was added in late 2020 which slowed the permitting process down. This study requires the drawdown of the water for high quality photographic documentation of the structure. Agreements are being

developed to allow the documentation to occur immediately before dam removal construction to minimize construction costs.

1.8.4. Design Progress Report

The Lower DuPage River Watershed Coalition approved a Memorandum of Understanding (MOU) with the Forest Preserve District of Will County (FPDWC) to fund the design and construction of this project. The FPDWC executed a contract with their consultant to complete the design and permitting phase of this project. The design consultant submitted permit applications in November 2019 to ACOE and IDNR. Bids for construction went out in August 2020 and a contract was awarded in November 2020. Construction will coincide with appropriate water level conditions for this project sometime in 2021.

1.8.5. Project Impact Evaluation

The LDRWC sampled bioassessment monitoring sites in 2012, 2015, and 2018 as part of the long-term Bioassessment Program. Sites sampled include above, below the dam, and within impoundment. In order to evaluate the success of the project, the LDRWC conducted additional pre-project sampling at two additional sites within the impoundment in 2019 and will include those sites in addition to the regular bioassessment sites for post-project monitoring.

1.9 Hammel Woods Dam to 119th Street in Plainfield Stream Enhancement

- Special Condition Listed Completion Date – December 2023
- Status – In planning

The LDRWC has budgeted \$2,740,000.00 for this project and anticipated expenditures will be made from 2021-2023.

1.9.1. Site Description

The LDRWC is utilizing outputs from the Identification and Prioritization System Model (IPS) to narrow down the location of the project where the best improvements to aquatic life can be made. Additionally, outputs from the new QUAL 2Kw model and QHEI data will be used to further define design criteria. This process should be completed in Spring 2021. It is anticipated that SOI and RFP for design and engineering work will immediately follow site selection.

Chapter 2 Chloride Reduction Program

The Special Condition Paragraph 3 requires NPDES holder participation in a watershed Chloride Reduction Program either directly or through the DRSCW and/or LDRWC. This section summarizes the DRSCW and LDRWC Chloride Reduction Program activities in 2020/2021.

2.1 Technical Workshops

In 2007, the DRSCW held its first deicing workshop to highlight new deicing methods, NPDES water quality goals, and best management practices in order to reduce chlorides and costs. The workshops were held in collaboration with APWA Chicago Metro Chapter. The following year, the DRSCW added a second workshop that targeted contractors responsible for snow and ice management of parking lots and sidewalks into an annual rotation. Since 2007 the DRSCW has executed two workshops every year targeting personnel responsible for 1) public roads and 2) parking lots and sidewalks. The programs have provided training and resources for numerous attendees at various agencies. Additionally, in 2014, the DRSCW held a third workshop in collaboration with Monroe Truck Equipment which focused solely on equipment calibration (Plate 9). Calibrating equipment is an immediate, low-cost BMP that can be implemented without capital upgrades.

Plate 9. Demonstrations of equipment calibration at DRSCW Chloride Management Workshops.



In the past several years, deicing workshops have been held separately by The Conservation Foundation in partnership with Kane County, the DuPage River Salt Creek Workgroup, and the Lower DuPage River Watershed Coalition in partnership with Lower Des Plaines Watershed Group.

During the reporting period April 1, 2020 to March 31, 2021, three chloride reduction workshops and four technical webinar briefs were held. Due to precautions necessitated by the Coronavirus pandemic, the workshops were held in a webinar format allowing the groups to collaborate and host the workshops jointly. Registration was also made available to agencies in McHenry, Lake and Cooks counties as their usual annual deicing workshops were not being held. Accordingly, the webinars were attended by staff in DuPage, Will, Kane, Kendall, Lake, McHenry and Cook counties.

Public Roads Deicing Workshops were held on October 1 and October 14, 2020 (Plate 10). Fortin Consulting, Inc. from Minnesota was engaged to present the material. A registration fee was required per agency in order view the webinar. The links were sharable so the webinars could be viewed individually or in groups. A poll was taken at the beginning of each webinar asking how many persons were in the room. The polling results indicated that there were 280 persons viewing the Oct. 1 webinar and 190 persons viewing the Oct. 14th webinar for a total of 470 attendees for the Public Roads webinars. Certificates of attendance were provided to those who requested them. Evaluation surveys were sent to the persons who logged in to the webinars. A link to the *Minnesota Snow and Ice Control: Field Book for Snowplow Operators* was provided to each registrant.

Plate 10. Deicing Workshops Registration Form, 2020.



On October 8, 2020 the Parking Lots and Sidewalks Deicing Workshop webinar was held with Fortin Consulting, Inc. presenting (Plate 11). The polling results indicated that there were 123 persons viewing the webinar. Certificates of attendance were provided to those who requested them. Evaluation surveys were sent to the persons who logged in to the webinars. A link to the *Minnesota Pollution Control Agency Winter Parking Lot & Sidewalk Maintenance Manual* was provided to each registrant.

Questions from participants were entered into the chat and answered by Fortin Consulting staff, Workgroup staff as well as others participating in the training. A summary of all links provided during the training as well as other links added to the chat were captured and provided to the participants after the webinar (Plate 12).

To complement the Winter Deicing Workshops, the Winter Technical Briefs – Mini-Webinar Series was presented to focus on specific issues (Plate 13). Topics in 2020 included: October 20 – Reducing Salt With Organics: The Boost & Reduce Method, October 27 – Sourcewell & Cooperative Purchasing, November 10 – Benefits of Segmented Blades, and November 17 – The Fine Art of Brine Making. Staff also worked with local partners to create a training video on how to calibrate a walk behind salt spreader. These webinars and training video are posted on www.saltsmart.org.

Plate 11. Welcome & Introduction to Parking Lots & Sidewalks Presentation, 2020.



Plate 12. Links from webinar presentation and chat, 2020.

October 2020 Winter Deicing Workshop Links

- Roads manual - <http://www.mnltap.umn.edu/publications/handbooks/documents/snowice.pdf>
- State by state Winter Maintenance Statistics - <https://clearroads.org/winter-maintenance-survey/>
- Well 14 - <https://www.cityofmadison.com/water/insidemwu/saving-madison-from-salt-1>
- "The Real Cost of Salt Use" Report - https://www.pca.state.mn.us/sites/default/files/wq_iw11_06bb.pdf
- Stormwater Research at St. Anthony Falls Laboratory, "Urban Stormwater Ponds can be a Source of Phosphorus" - <http://stormwater.safll.umn.edu/updates-newsletters/updates-april-2018>
- The Skinny on water softeners - <https://www.pca.state.mn.us/skinny-water-softeners>
- Clear Roads - <https://clearroads.org> <https://clearroads.org/materials-liquid-materials/>
- For the Model Snow and Ice Policy (for municipal operations)- <https://www.pca.state.mn.us/sites/default/files/p-tr1-51a.pdf>
- Model Municipal Ordinances - <https://www.pca.state.mn.us/sites/default/files/p-tr1-54.pdf>
- Model Private Contract (for hiring private contractors)- <https://www.pca.state.mn.us/sites/default/files/p-tr1-52a.pdf>
- Salt Smart Collaborative www.saltsmart.org
- Calibrating Manual Sanders <https://www.pca.state.mn.us/sites/default/files/roadsalt-calibratingmanualsanders.pdf>
- Watch this later for calibration! City of Shorewood Hills Calibration Video - http://www.youtube.com/watch?v=LEt9-tut_es&t=0m29s
- Illinois Department of Transportation - www.gettingaroundillinois.com
- Information on Henderson's Brine makers <http://www.hendersonproducts.com/brinextreme-advantage.html>
- Information on Henderson's Liquid Application Systems <http://www.hendersonproducts.com/liquid-ice-control-systems.html>
- Rob Florio Henderson Products rflorio@hendersonproducts.com or Chris Fack cfack@hendersonproducts.com or call/text (847)754-5035
- Ag by product Liquids Effectiveness - http://clearroads.org/wp-content/uploads/dlm_uploads/FR_CR13-02_Revised.pdf
- Salt Brine Blending to Optimize Deicing and Anti-Icing Performance - <http://www.dot.state.mn.us/research/documents/201220.pdf>
- More isn't always better - https://www.youtube.com/watch?v=pYm1a1n_AgE
- Deicing Application Rates for two-lane road - <https://fortinconsulting.com/wp-content/uploads/2018/04/Road-Deicing-App-Chart-Master-Copy.pdf>
- Chute design - http://www.dot.state.mn.us/maintenance/files/salt_sustainability/saltchute.pdf
- The Small Sites YouTube video is at <https://v637g-app-goo.pl/uAbZaB5PEW8fPwxs9>
- "Smart Salting for Sustainability" by AASHTO - <https://scoop.transportation.org/2020/09/14/episode-40-smart-salting-for-sustainability/>
- 4-page summary of Statewide Chloride Mgmt. Plan - <https://www.pca.state.mn.us/sites/default/files/wq-s1-94a.pdf>
- Twin Cities Metropolitan Area Chloride Management Plan - <https://www.pca.state.mn.us/sites/default/files/wq-iw11-05ff.pdf>
- Smart salting schedule: <https://www.pca.state.mn.us/water/smart-salting-training-calendar>
- <https://www.eco-pem.com/wpsum-remediate-saline-sodic-soils/>
- Iowa DOT liquid spread pattern presentation from the 2020 Salt Symposium: <https://fortinconsulting.com/wp-content/uploads/2020/08/BoB-Ellis-Jeff-Vanderzaag-Winter-Maintenance.pdf>
- 2020 Salt Symposium presentations: <https://fortinconsulting.com/salt-symposium-2020-presentations/>

Plate 13. *Winter Technical Briefs, 2020.*



Additionally, during this reporting period, the LDRWC shared seasonal outreach materials for members to use in residential outreach efforts (Plate 14). The materials were made available through their website www.dupagerivers.org/winter and through the Salt Smart Collaborative website at www.saltsmart.org. The LDRWC is one of the lead collaborators for SaltSmart.org. Materials included blog posts, newsletter articles, supporting social media graphics, posters/handouts, plastic cups for spreading salt correctly and a bookmark with information for residents. A winter checklist was also included to assist communities in tracking the use of outreach materials for MS4 reporting. Both websites also advertise the winter deicing workshops.

2.2 Tracking BMP Adoption

2.2.1. Chloride Questionnaire

The DRSCW has attempted to track adoption of sensible salting BMPs in the program area since 2007. Monitoring ambient chloride concentrations has proven an imperfect metric for tracking efficiency trends in winter salt use. Tracking target BMP adoption in the program area provides opportunities to evaluate the impacts of the chloride management workshops, identify material for future workshops, and form suppositions about salt use per unit of service expended inside the program area relative to 2006 levels.

In 2007, 2010, 2012, 2014, 2016, and 2018 the DRSCW distributed a questionnaire to approximately 80 municipal highway operations and public works agencies to obtain information about deicing practices throughout the program area. Findings of the 2018 questionnaire were include in the 2018 Annual Report. A new questionnaire will be distributed in spring of 2021 and the results will be supplied in the 2021 Annual Report.

Plate 14. Outreach Poster/Handout on winter safety, 2020.



2.2.2. Ambient Impact Monitoring

DRSCW's Chloride Education and Reduction Program is performing an analysis to demonstrate any observable reduction in chloride loading within the water quality data collected since the beginning of program efforts. For over a decade, the program has been implementing a number of chloride reduction efforts, including:

- Annual Educational workshops (for public roads and parking lots/sidewalks)
- Equipment calibration training
- Product and chemical alternative summaries
- Equipment and salt application advancements
- Salt usage, storage and deicing best management practices
- Example salt use policies and management plans

The goal of the analysis is to see if these efforts are resulting in a discernable impact on chloride loading within the instream water quality data collected by DRSCW from 2009 to present.

The analysis is challenging. There are many factors that affect the resulting water quality data, including variability in winter weather over the years (temperatures, precipitation, number of storms, types of storms), inconsistency in municipal salt application events across the DRSCW's

watershed areas, and inconsistency in the way events are defined and tracked by municipalities. The variability inherent in winter weather conditions, municipal application practices and record keeping does not allow the loading data to show the effect of reduction practices without accounting for it in some way. Additionally, the assumption that reductions in public or institutional use (the main recipients of training) will automatically translate into lowering of ambient chloride loading needs to be proven.

Our approach consists of using direct chloride sampling and analysis concentration data, along with adjusted specific conductivity concentration data collected by the DRSCW, and USGS flow data to calculate loading (in pound per day) of chloride for each DRSCW watershed over the past decade. This created loading data. The methodology then required that the loading data be adjusted or normalized to account for variabilities in winter weather and salt application events. The team examined several different weather datasets to try and overlay the loading data but none proved adequate. In early 2021, the DRSCW signed a contract with Weather Command / Murray and Trettel, Inc. for 10 years of detailed data.

The weather data is being analyzed by individual watershed and separately for summer and winter periods each year. The hope is that once adjusted for variabilities, the loading data will better show the effect of the program's salt use reduction training and best management practices implementation by municipalities on water quality.

As of the time of this report, the data has been organized by watershed and season, and water quality loadings have been calculated for the study period. Detailed weather and precipitation data is being reviewed to develop a method for accounting for the variability in temperatures and precipitation, municipal salt application events, and the way salt application events are defined and tracked. Adjustments will be performed using those methods, and the resulting loading trends will be presented in a future report. This analysis may provide an indication of the effectiveness of the Workgroup's chloride education and reduction efforts.

2.3 Continuous Chloride Monitoring

Ambient monitoring of winter conductivity was carried out at 6 locations in the program area in 2018-2019 (4 sites monitored by the DRSCW and 2 sites monitored by MWRD). Conductivity is used to calculate chloride concentrations based on a relationship established by the DRSCW in 2007 and 2019 (so the data is referred to as calculated). Calculated Annual chloride concentrations for the winter months from 2006-2019 for the 6 sites are depicted in Figure 6-11.

Figure 6. Calculated annual chloride concentrations - winter months (2007-2020) for Salt Creek at Wolf Road.

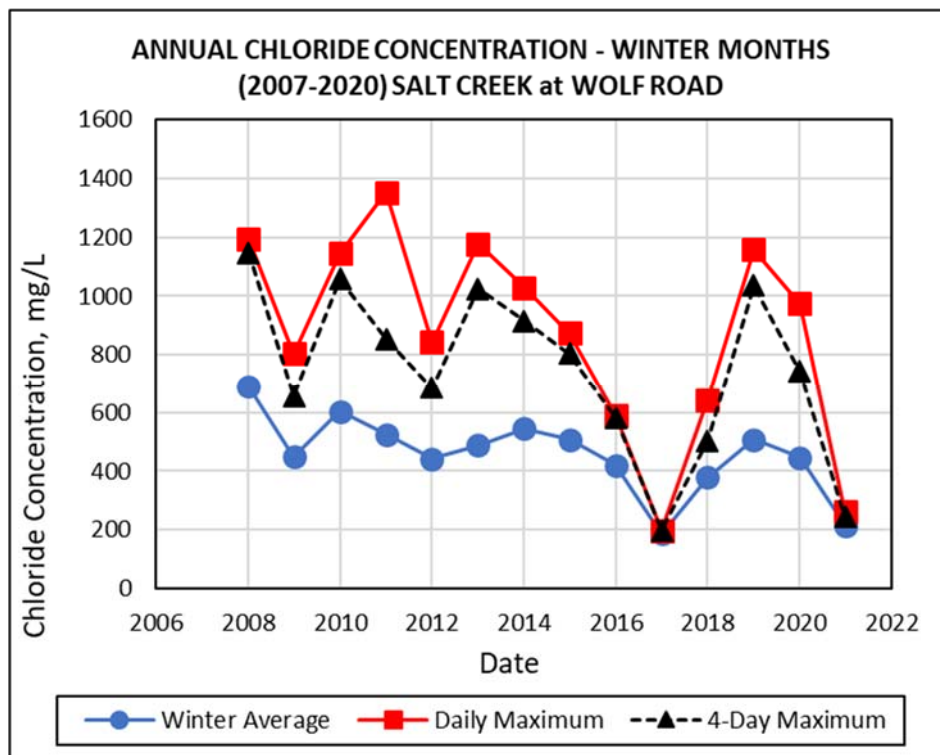


Figure 7. Calculated annual chloride concentrations - winter months (2008-2020) for Salt Creek at Busse Woods Main Dam.

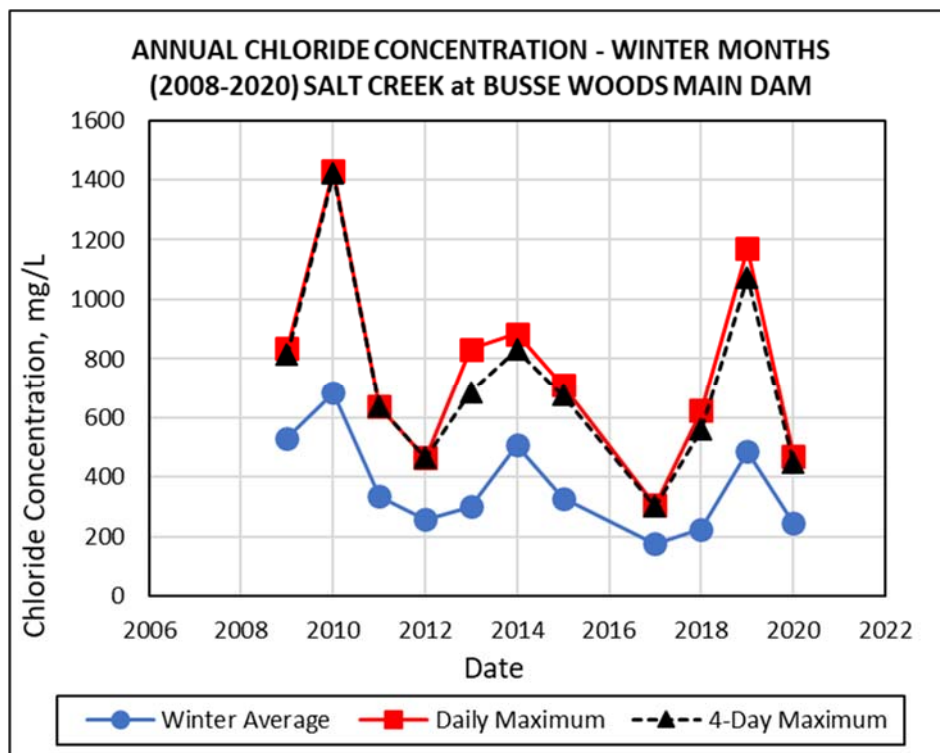


Figure 8. Calculated annual chloride concentrations - winter months (2008-2020) for East Branch at Hobson Road.

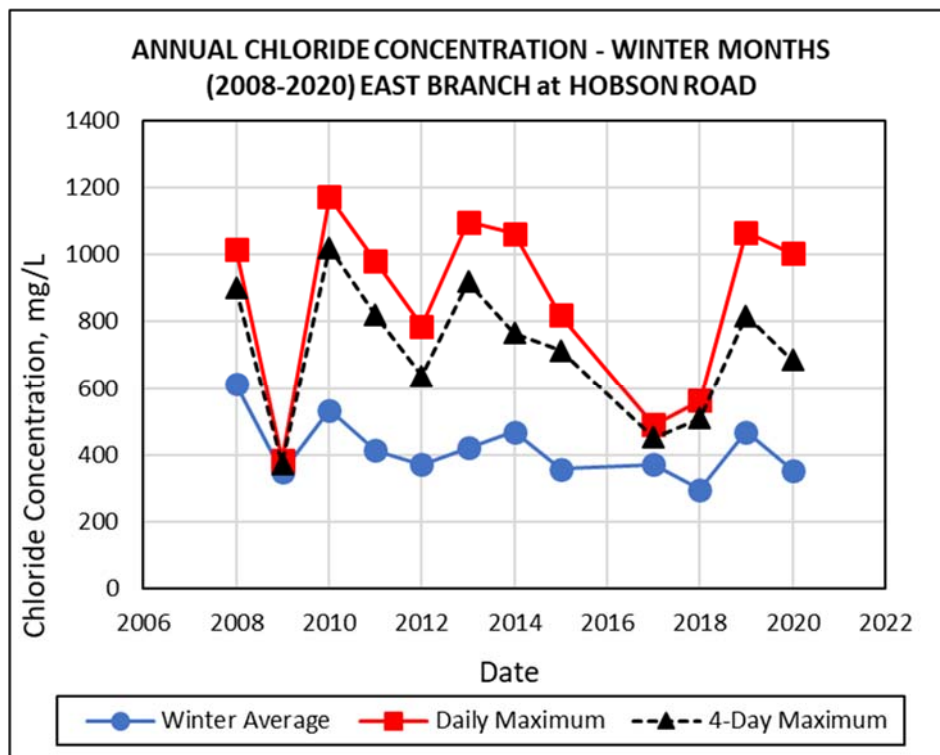


Figure 9. Calculated annual chloride concentrations - winter months (2007-2020) for East Branch at Army Trail Road.

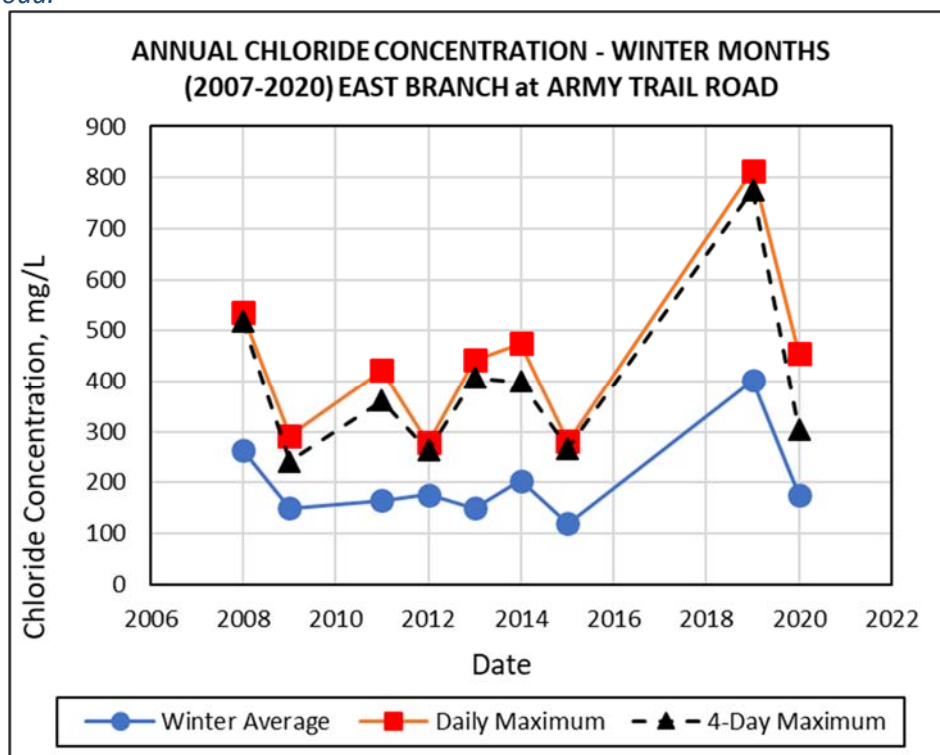


Figure 10. Calculated annual chloride concentrations - winter months (2018-2020) for West Branch at Bailey Road.

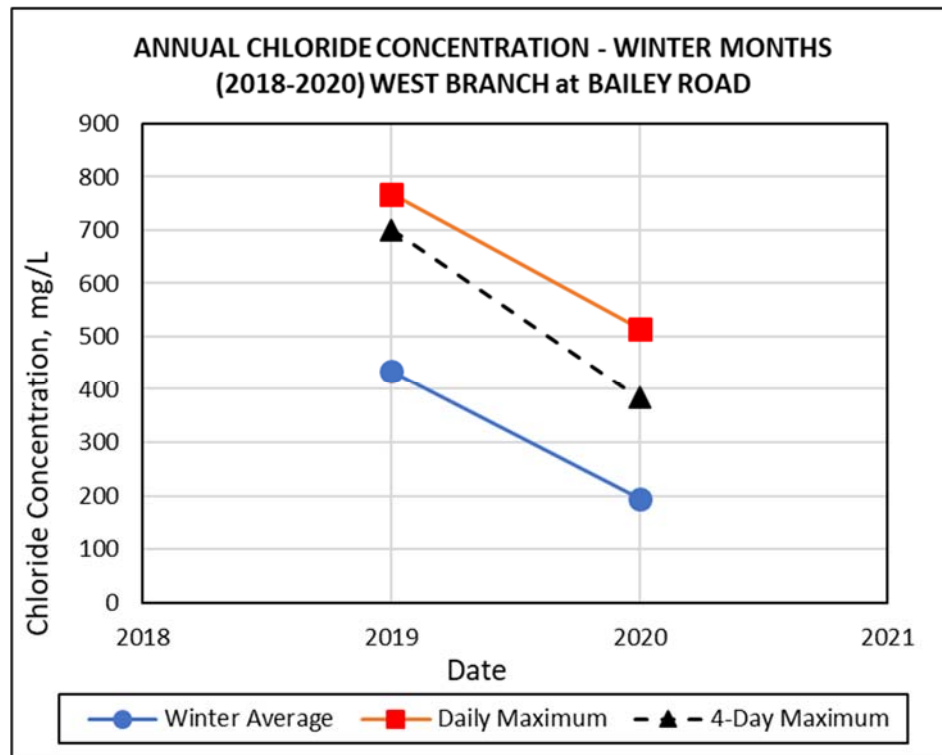
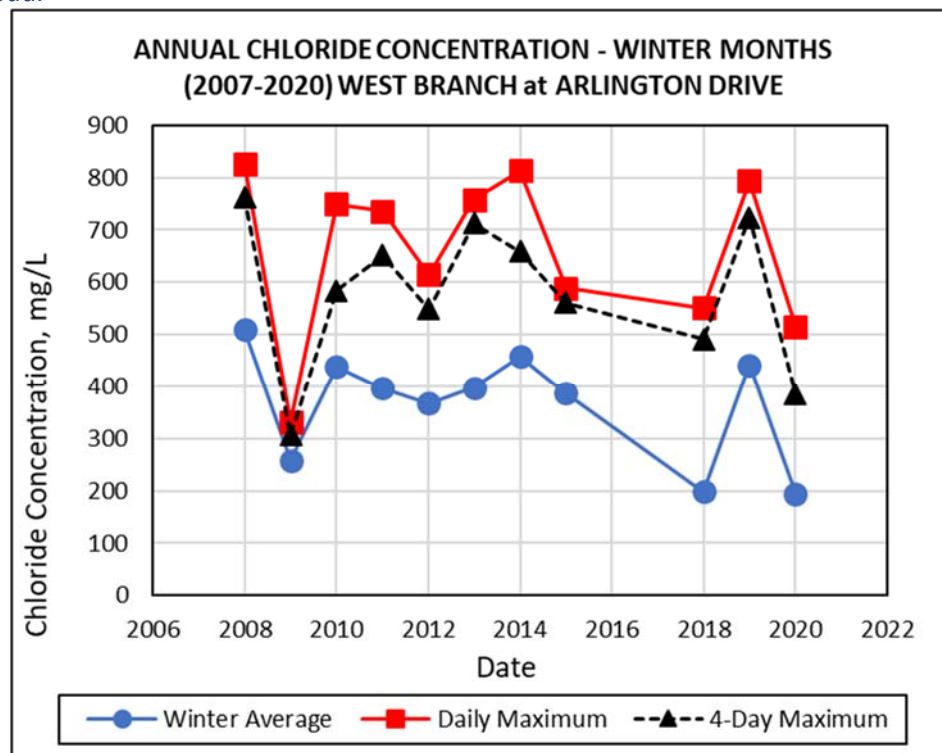


Figure 11. Calculated annual chloride concentrations - winter months (2007-2019) for West Branch at Arlington Road.



Chapter 3 Nutrient Implementation Plan

The Special Condition Paragraph 10 requires NPDES holders in the DRSCW and LDRWC to develop a Nutrient Implementation Plan (NIP) for the watershed that identifies phosphorus input reductions by point source discharges, non-point source discharges and other measures necessary to remove DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 IL Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 IL Adm. Code 302.203. Special Condition Paragraph 2 and Special Condition Paragraph 8.c. identify additional studies to be completed by the watershed workgroups. This section summarizes the DRSCW and LDRWC work in 2020/2021 on the studies.

3.1 IPS Model /Project Identification Study

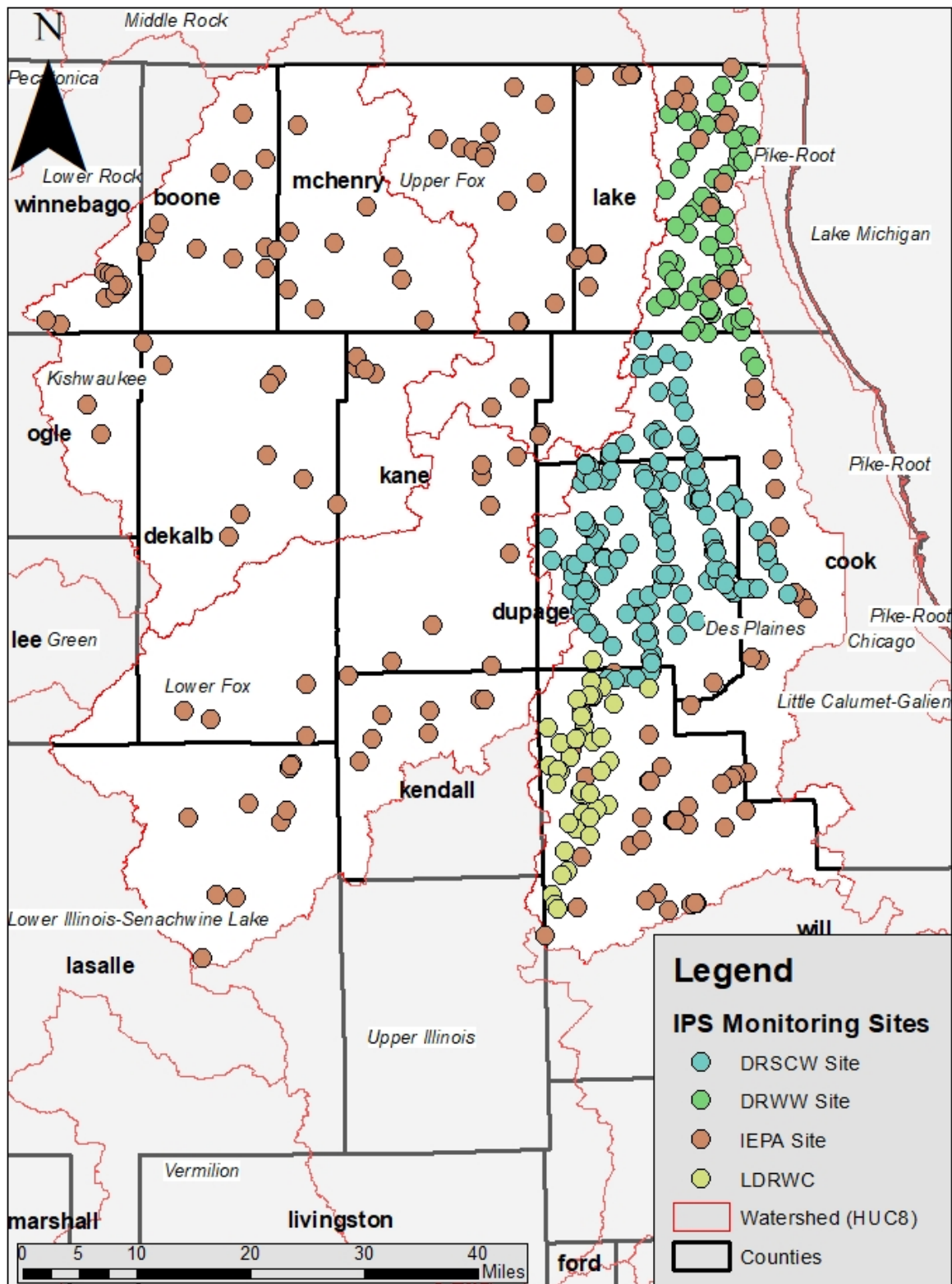
- Special Condition Listed Completion Date – Complete
- Status – Staff is still amending final report and database for release. The methodology, results, database, and a user manual all exist in draft final form and are under review. Due to the potential long-term impacts of some of the IPS model results DRSCW had requested to talk to IEPA about the results. Due to the pandemic this did not occur in 2020. It will be organized for 2021.

3.1.1. Background on the IPS Model and 2019-2020 Project Work

The project's objective is to update the DRSCW's Integrated Prioritization System model (IPS) and develop a new list of prioritized projects for both the DRSCW and LDRWC watersheds. The original IPS Model was developed by the DRSCW with its consultant (MBI) in 2010. The updated model used additional monitoring sites, several years of additional monitoring, updated methodology and updated prioritization methodology.

The IPS is a framework that merges high resolution monitoring data and assessment results with water quality management goals and objectives in order to guide decision-making at regional and local watershed scales. The model is designed to provide accurate quantitative indicators (biological response measures and chemical, habitat and land use stressor measures) and data-driven tools to Watershed groups to guide and inform their surface water restoration and protection efforts. Unlike traditional modelling efforts that tend to focus on very few parameters, the IPS examines many stressor variables including habitat and land use variables; and thus, it provides a comprehensive view and weighting, of the factors potentially limiting aquatic life.

The updated IPS Model geographically covers the watersheds of Northeastern Illinois including the Upper Des Plaines River and tributaries (DuPage River, Salt Creek) in all or parts of DuPage,



Map 5. Spatial distribution and providence of data utilized in the 2020 IPS Update.

Cook, Will, and Lake Counties (Map 5). Data from outlying watersheds including the Kishwaukee River, Kankakee River, and the Fox River were used in order to expand the stressor and response gradients. Data from more than 650 IEPA/IDNR, DRSCW, LDRWC, and Des Plaines River Watershed Workgroup (DRWW) sites draining <350 sq. mi. were used in the analyses. This is a significant expansion over the original IPS 120 sites.

Paired data supplied by these organizations included the dependent variables of fish, macro-invertebrates, habitat, and water chemistry data. Additional stressor variables, notably land use data such as road density, canopy cover, land cover and land use types, were developed and added to the data set. Figure 12 gives a schema showing the step by step approach to reaching the IPS outputs. These steps were covered in detail in the 2019 & 2020 reports.

The IPS Model allows for the derivation of stressor thresholds for each of the explanatory variables. An additional major function of the IPS is to enhance the identification of causes and sources of impairment for rivers identified as impaired aquatic life uses. Given the large number of potential stressors that can affect aquatic life, particularly in urban settings, there is a practical necessity to narrow the stressors down to the most likely limiting factors. Here both FIT analyses and Random Forest regression and classification trees were used to assess the strength of the stressor relationships with the response of the aquatic biota and the most likely causes as a result. There is a need to reduce to the number of likely stressors prior to using these tools, thus the initial analyses using correlation and simple regression and classification trees by stressor category were used to achieve this reduction.

Three types of analyses were used to help identify important causal variables for the IPS

- 1) Correlation analyses and regression and classification tree analyses by stressor category using the entire data set to reduce variables and remove some highly correlated values;
- 2) Derivation of a goodness-of-fit (FIT) statistic to measure the strength of actual vs. predicted associations between parameters and sensitive species/taxa richness;
- 3) On a reduced set of parameters, random forest regression and classification analyses to help discriminate level of variable importance among the reduced set of variables.

The selection of the “strongest” correlates however, does not eliminate the usefulness of multiple stressors to better explain causality of impairments especially when designing management interventions. Categories such as land use and QHEI explain a large amount of the variation in aquatic life but the causal effects can be better understood and addressed by finer resolution understanding of the stressor (elements of QHEI and landscape cover). In

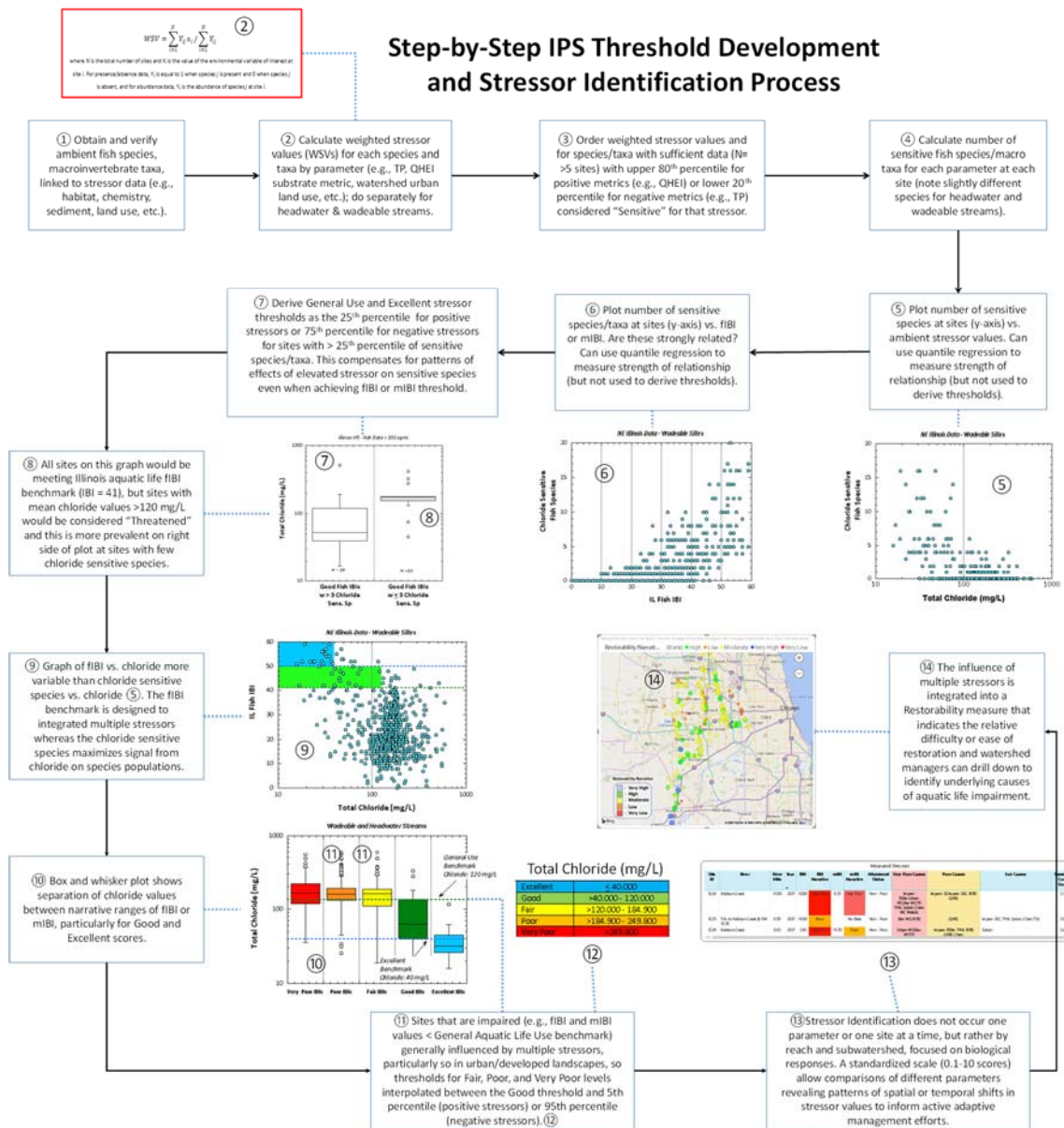


Figure 12. Step-by-Step IPS Threshold Development and Stressor Identification Process.

addition, broad scale statistical analyses provide insights into average or prevalent conditions, but this may obscure a site-specific scenario where a different variable is more influential.

Given the large number of environmental and stressor variables amassed in the IPS database, a three-step process was used to identify the best stressor variables for identifying the possible mechanisms causing aquatic life impairments. The process involved:

- A correlation matrix was derived to better reveal which variables are highly correlated.
- Of these, the stressors which were readily measured and that matched conceptual models and other evidence of causal impacts were selected.
- Classification and regression trees were then used to identify the strongest amongst these variables for derivation of FIT scores, random forest regression, and classification analysis.

Table 9. *Strongly Correlated Stressors with the highest FIT score (>0.32).*

Stressor	FIT Score
Impervious Land Use (500m)	0.01
QHEI Embeddedness Score	0.03
Urban Land Uses (WS)	0.03
QHEI Overall Score	0.04
QHEI Substrate Score	0.04
QHEI Good Attributes	0.04
Total Phosphorus	0.04
Impervious Land Use (30m)	0.04
Impervious Land Use (30m Clipped)	0.04
Conductivity	0.05
QHEI Channel Score	0.07
QHEI Silt Cover Score	0.07
Developed Land Use (WS)	0.07
Minimum Dissolved Oxygen	0.1
Total Dissolved Solids	0.1
Impervious Land Use (WS)	0.1
Hydro-QHEI Depth Score	0.11
QHEI Poor Habitat Attributes	0.12
Hydro-QHEI Overall Score	0.13

These results should provide the variables that will be the most useful in selecting effective restoration and protection approaches and setting readily measured goals for stressor reduction. Variables with stronger correlations carry more weight in the IPS Restorability scoring. The scores with the best FIT value are summarized in Table 9.

3.1.2. Next Steps in IPS Modeling

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

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

3.2 QUAL2Kw Updates for East Branch and Salt Creek

- Special Condition Listed Completion Date – December 2023
- Status – On-going. The East Branch DuPage River and Salt Creek QUAL2Kw models were completed in 2020. The West Branch DuPage River and Lower DuPage River are scheduled for 2021. Model scenarios for all four (4) models will be also be completed in 2021.

The DRSCW budgeted \$183,000 for this effort and anticipates expenditures in 2019-2021. Additionally, the LDWRC has budgeted \$68,000 for this effort and anticipates expenditures in 2020-2021. Note: The Special Condition Permit language only requires the update of the existing QUAL2K models for Salt Creek and the East Branch DuPage River. The DRSCW and LDWRC have decided to pursue similar models for the West Branch DuPage River and Lower DuPage River to assist with the development of the NIP.

3.2.1. Data Collection

3.2.1.1. Continuous Dissolved Oxygen (DO) Sonde Network

In 2020, the DRSCW gathered continuous DO data via water quality sondes at three (3) sites on Salt Creek, five (5) sites on the East Branch DuPage River, and four (4) sites on the West Branch DuPage River that will be utilized in the calibration and verification of the updated QUAL2Kw models. The Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) also monitors two (2) additional locations on Salt Creek. Additionally, in 2020, the LDWRC maintained a sonde network of five (5) sondes on the Lower DuPage River. All sondes are deployed from May through October and collected DO, temperature, conductivity, and pH on an hourly basis.

3.2.1.2. Expanded Dissolved Oxygen Monitoring Program

In 2019, the DRSCW and LDWRC began their expanded DO Monitoring Program as a means to collect additional data to support the calibration/validation of the QUAL2Kw models and to support the development of the NIP. This program is coordinated with the Bioassessment Program (see Table 10 for schedule). Sites sampled in the West Branch DuPage River in 2020 are included in Table 11. Sites in the other basins will be identified prior to the start of sampling for their designated year.

Table 10. *Schedule for Expanded DO Monitoring.*

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

The sampling period for the Expanded DO Monitoring Project is late June to the end of August in dry and low flow conditions (no rain a minimum of 72 hours prior to sampling).

Sondes are deployed in the channel thalweg for a minimum of 72 hours, where they collect data on dissolved oxygen, temperature, pH, conductivity, turbidity, and chlorophyll a at 15-minute intervals.

Composite water quality samples and sestonic algae sampling will be collected once during the sonde deployment using the sampling technique described in the IEPA Standard Operating Procedure for Stream Water Quality Sample Monitoring (DCN184). Samples will be analyzed for the constituents listed in Table 12. One (1) benthic algae sample will be collected at each site.

3.2.2. QUAL2Kw Modeling

In November 2019, the DRSCW and LDWRC entered into a contract with Tetra Tech to update the existing QUAL2K models for the East Branch DuPage River and Salt Creek and to prepare water quality models for the West Branch DuPage River and the Lower DuPage River. The water quality model selected for all four (4) watersheds was QUAL2Kw. The suite of QUAL models (most recently QUAL2K and QUAL2Kw) is a well-established modeling framework that is appropriate for steady-state (with diel variability) representation of critical condition DO and algal responses in flowing streams and run-of-river impoundments. The QUAL2Kw model improves upon the QUAL2K model in several ways, such as including hyporheic and surface transient storage zones and kinetics, variable options related to simulating sediment

diagenesis, enhanced phytoplankton and bottom algae simulation and parameterization, options for a continuous dynamic modeling periods, and the built-in feature for automatic calibration using an algorithm for parameter optimization 1. However, unlike QUAL2K, QUAL2Kw does not allow for multiple headwaters or branching. Transitioning an existing steady state QUAL2K model into the dynamic continuous QUAL2Kw environment would allow for more accurate simulation of existing conditions through the DuPage River and Salt Creek watersheds.

Table 11. *Sites Monitored as Part of the Expanded DO Monitoring Program.*

Site Code	Site Name/Description	Latitude	Longitude
WB03	Upstream intersection of Joliet Street and Wilson Street	41.85663055	-88.2046
WB08	Knoch Knolls Park, Naperville	41.71213206	-88.14164968
WB11	Upstream of 2nd Bridge in WSD	41.84709267	-88.14121034
WB13	Adjacent to Liberty Street	41.86807845	-88.1569965
WB16	Upstream of Pedestrian Bridge in Klein Creek Farm	41.89616307	-88.1546693
WB19	Armstrong Park	41.91955794	-88.13045071
WB24	Downstream MWRDGC Hanover Park WWTP	41.99967181	-88.13621986
WB25	Upstream from Braintree Drive	42.0115085	-88.11083
WB26	Adjacent to Shaffner Rd.	41.84403109	-88.1467
WB27	Immediately downstream from County Farm Rd	41.9662973	-88.15337574
WB28	Immediately downstream from County Farm Rd	41.9653305	-88.167028
WB33	Immediately upstream from Great Western Trail	41.90528244	-88.17830798
WB34	Downstream from Garys Mill Rd	41.85798159	-88.19371109
WB35	Adjacent to Washington Street at Pioneer Park	41.75401377	-88.13389986
WB36	McDowell Grove; 1500 ft down trail from parking lot	41.79042673	-88.18267134
WB39	Immediately upstream from St. Charles Rd	41.91271345	-88.17972281

Table 12. *Parameters Included in Expanded DO Monitoring Program.*

Parameter	Abbreviation	Frequency
5 Day Biological Oxygen Demand	BOD5	Once per sampling period
5 Day Carbonaceous Biological Oxygen Demand	CBOD5	
Total Suspended Solids	TSS	
Volatile Suspended Solids	VSS	
Total Dissolved Solids	TDS	
Chloride	Chloride	
Conductivity	Cond.	
Total Organic Carbon	TOC	
Total Dissolved Carbon	TDC	
Ammonia	NH3	
Nitrite	NO2	
Nitrate	NO3	
Total Kjeldahl Nitrogen	TKN	
Total Phosphorus	TP	
Orthophosphate	Ortho-P	
Total Dissolved Phosphorus	TDP	
Chlorophyll A (sestonic)	Chl A	
Chlorophyll A (benthic)	Chl A (benthic)	Once Per Sampling Period

Task 1: Review of Existing and Identification of Data Needs

As part of Task 1, all available data was reviewed and considered for use in the development of the QUAL2Kw model for each watershed. Available data included flow, water quality, and sediment oxygen demand monitoring data, past DO improvement feasibility studies, wastewater discharge data, dams, and relevant hydraulic and watershed models. Data utilized to inform the development and calibration of the DuPage River and Salt Creek QUAL2Kw models is included in Table 13.

Table 13. *Data Utilized in the Development of the QUAL2Kw Models for the DuPage River and Salt Creek Watersheds.*

Component	Data Source	Approach
Boundary Inflows	United States Geological Society (USGS) sites	Spatially disaggregated USGS streamflow based on catchments delineated for each model segment.
Boundary Water Quality	DRSCW and LDRWC available water quality monitoring records (sondes and grab sites) for tributary sites and headwaters	Aggregated to develop spatially-varied hourly input time series for each model segment.
Hydraulics	DuPage County FEQ Models, HEC-RAS Models provided by the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) and US Army Corps of Engineers (ACOE)	Channel geometry (e.g. bank slopes, bottom width) to be extruded from provided models; develop rating curves from steady-state QUAL2Kw runs, calibrated with USGS field measurements
Meteorology	North American Land Data Assimilation System (NLDAS-2); National Center for Environmental Prediction (NCEP) North American Regional Reanalysis (NARR)	Gridded NLDAS-2 data for air temperature, dew point temperature, wind speed, and solar radiation; NARR for cloud cover; shade based on aerial imagery and calibration tests.
NPDES Point Sources	Illinois Environmental Protection Agency (IEPA) monthly DMR data for facilities that discharge directly to mainstems	Developed hourly input series by facility/outfall, gap filled missing water quality records.
Sediment Oxygen Demand (SOD)	SOD Monitoring records	Applied and calibrated based on 2007 reconnaissance study records.

Additionally, as part of this Task, the mainstem extent of each of the four (4) study streams were divided into a series of longitudinal model segments. In QUAL2Kw, segments are represented as one-dimensional, vertically and laterally fully mixed segments. Each segment is represented with uniform hydraulic characteristics, boundary conditions (e.g., cloud cover), and parameterization for non-global model parameters (e.g., bottom algae coverage). Several

features, including the locations of dams (including flow-through structures) and associated impoundments, tributaries, point source discharges, water quality monitoring sites, and USGS flow gages, informed the development of the reach segmentation. The QUAL2Kw Model Segmentation Memorandums for each of the four (4) rivers is included in Attachment 6. Task 1 was completed in 2020.

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

The QUAL2Kw model for the East Branch DuPage River and Salt Creek were calibrated to observed data for channel hydro-geometry, water temperature, DO, algae, nutrients, and CBOD. Although DO is the main response variable of interest, it is important that instream processes influencing DO are also representative of conditions in the river. Some key kinetics relevant to DO simulated in QUAL2Kw are SOD, reaeration at the air-water interface, temperature impacts on oxygen solubility, decay of oxygen-demanding substances (e.g., CBOD), oxygen demanding chemical transformations (e.g., nitrification), and benthic algae and free-floating phytoplankton photosynthesis and respiration.

Measurements are available for some hydraulic and water quality variables, such as chlorophyll-a concentrations for phytoplankton, at discrete locations along the river. For variables that lacked observations, the model was parameterized and calibrated based on values, rates, and concentrations in the literature (e.g., reaeration, CBOD decay rates, phytoplankton and benthic algae growth and death rates, kinetics associated with nutrients) and through interpretation of available evidence, such as use of the observed DO diel range to inform algal respiration parameterization.

East Branch DuPage River Results

The East Branch DuPage River model was developed to simulate calendar year 2019 and sites with the most expansive datasets from the 2019 sampling effort were selected as key calibration locations (Table 14).

Table 14. *East Branch DuPage River Key Model Calibration Locations.*

QUAL2Kw Reach Description	Model Reach	Monitoring Site ID
Churchill Lake	6	EBCB
Gabion Weir to Butterfield Road	10	EB30
I88 to Maple Avenue/Lisle Levee	13	EB31
Royce Road to Whalon Lake	16	EB34
East Branch DuPage River near confluence with West Branch	20	EB41

Available monitoring records were used to calibrate hydro-geometry, water temperature, nutrients, dissolved oxygen, and algae along the mainstem. Predicted water temperature closely matches continuous observations collected during warm weather at multiple sites. Simulated phytoplankton concentrations as chlorophyll-a are similar to observations, generally ranging between 1 to 15 µg/L. The model is biased high in terms of phytoplankton as chlorophyll a at Reach 13 (EB31); it, however, exhibits low bias at the other calibration locations. No benthic algae data were available for calibration; thus, benthic algae dynamics were adjusted based on dissolved oxygen patterns (i.e., diel ranges, in part due to algal photosynthesis and respiration). Dissolved oxygen is the primary endpoint of this study. Relative errors on daily mean and daily minimum DO are lowest at Reach 10, 13, and 30, indicating good model performance at these locations, which served as three of the five primary water quality calibration sites for the QUAL2Kw model. The model overestimates mean daily and daily minimum DO at Churchill Lake. This is in part due to differences in spatial scale because the monitoring reflects a point-in-space locations whereas QUAL2Kw provides predictions at the larger reach scale. Overall, the model calibration was successful, and the model is suitable for supporting future planning and management efforts, including simulation of dissolved oxygen improvement scenarios.

Figures 13 to 17 are representative calibration plots for the East Branch DuPage River model. All calibration plots will be included the final project report (scheduled for 2021).

Salt Creek Results

The Salt Creek model was developed to simulate calendar year 2016 and sites with the most expansive datasets from the 2016 sampling effort were selected as key calibration locations (Table 15).

Table 15. *Salt Creek Key Model Calibration Locations.*

Calibration Parameter	Model Reach	Site ID	Monitoring Site Description
Hydro-geometry	6	USGS05531300	Salt Creek near Elmhurst
	16	USGS05531500	Salt Creek at Western Springs
Water Temperature & DO	7	SCBR	Salt Creek at Butterfield Road
	12	SCFW	Salt Creek at Fullersburg Woods
	16	SCWR	Salt Creek at Wolf Road
Nutrients	3	SC23	Salt Creek at Eisenhower Expressway
	12	SC53	Salt Creek upstream of Graue Mill Dam
	14	SC52	Salt Creek downstream of Graue Mill Dam

Figure 13. East Branch DuPage River Simulated and Observed Streamflow (cms) at Reach 17 (USGS 05540250).

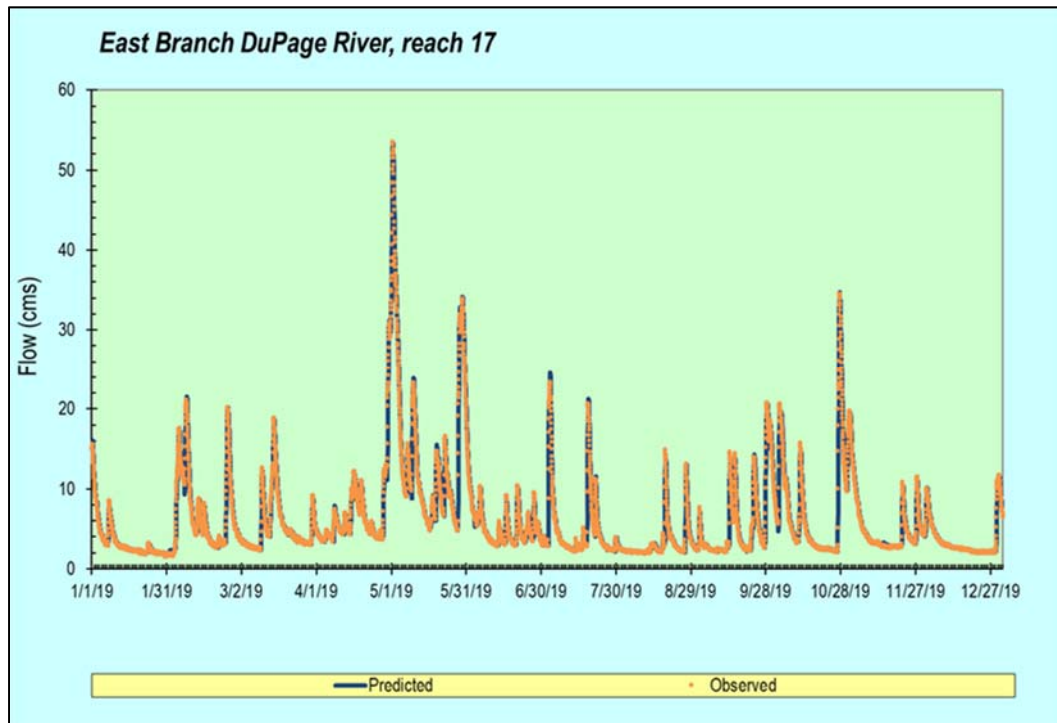


Figure 14. East Branch DuPage River Simulated and Observed Water Temperature ($^{\circ}\text{C}$) at Reach 10 (EB30).

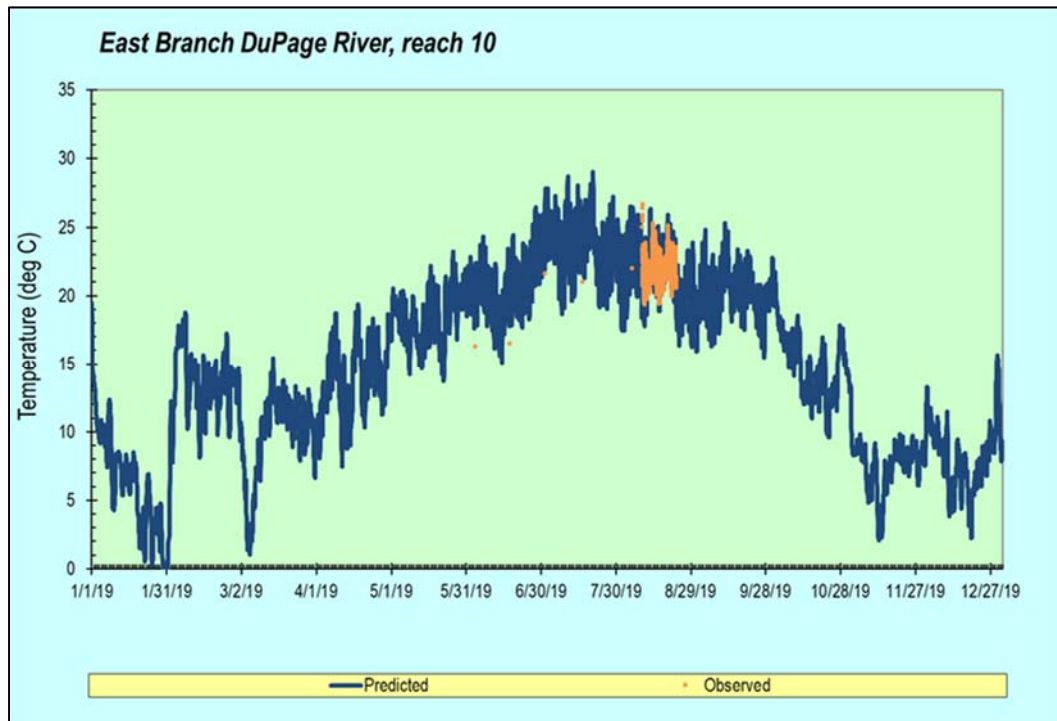


Figure 15. East Branch DuPage River Simulated and Observed Nitrogen Species ($\mu\text{g/L}$) at Reach 10 (EB30).

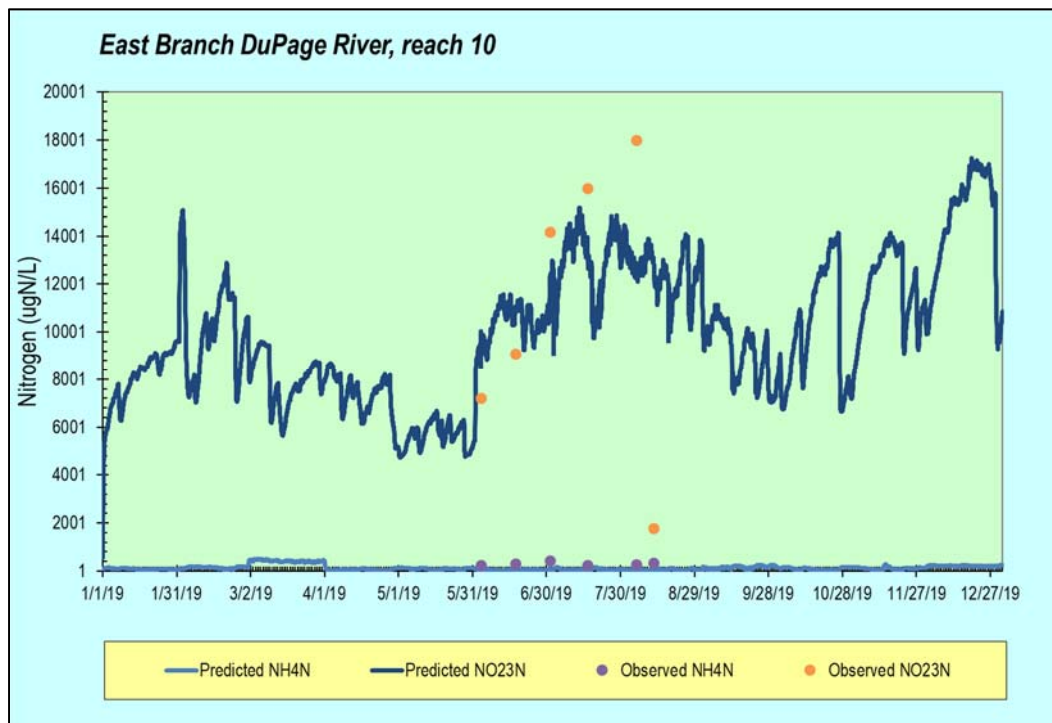


Figure 16. East Branch DuPage River Simulated and Observed Total Phosphorus ($\mu\text{g/L}$) at Reach 10 (EB30).

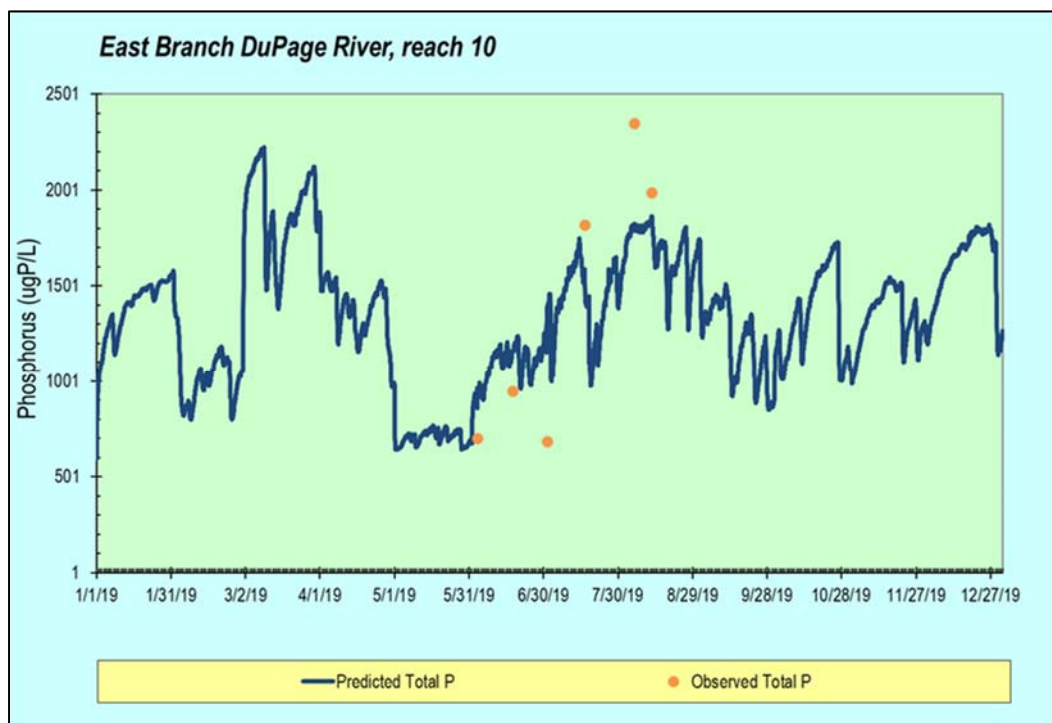
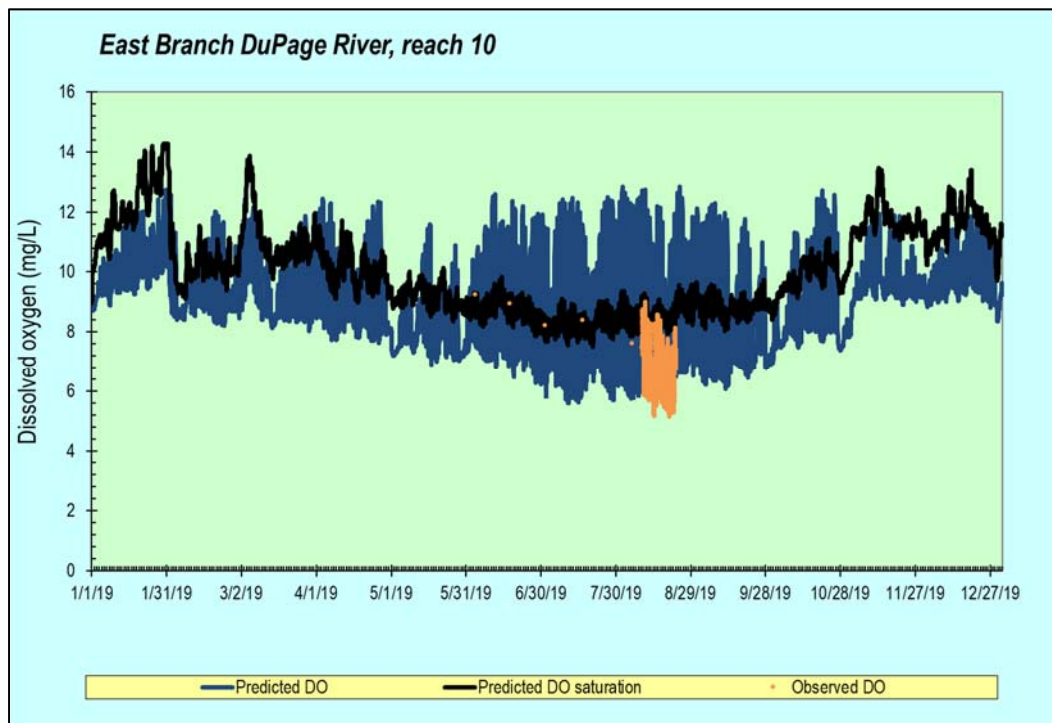


Figure 17. East Branch DuPage River Simulated and Observed Dissolved Oxygen (mg/L) at Reach 10 (EB30).



The QUAL2Kw model for Salt Creek was developed to simulate calendar year 2016. Available monitoring records were used to calibrate hydro-geometry, water temperature, nutrients, and dissolved oxygen along the mainstem. Predicted water temperature closely matches continuous observations at the majority of sites. The model predicts nitrogen species reasonably well, although it is biased high near the outlet of Busse Woods dam. The model is biased low in terms of total phosphorus; however, there is no phosphorus speciation data to help diagnose this uncertainty. No benthic algae and only limited non-growing-season chlorophyll a data was available for calibration; thus, biological kinetics were adjusted based largely on observed dissolved oxygen patterns (i.e., diel ranges, in part due to photosynthesis and respiration). Dissolved oxygen is the primary endpoint of this study. Relative errors on daily mean and daily minimum DO are lowest at Reach 7, 12, and 16, indicating good model performance at these locations. Overall, the model calibration was successful, and the model is suitable for supporting future planning and management efforts, including simulation of dissolved oxygen improvement scenarios.

Figures 18 to 22 are representative calibration plots for the Salt Creek model. All calibration plots will be included the final project report (scheduled for 2021).

Figure 18. Salt Creek Simulated and Observed Streamflow (cms) at Reach 16 (USGS 05531500).

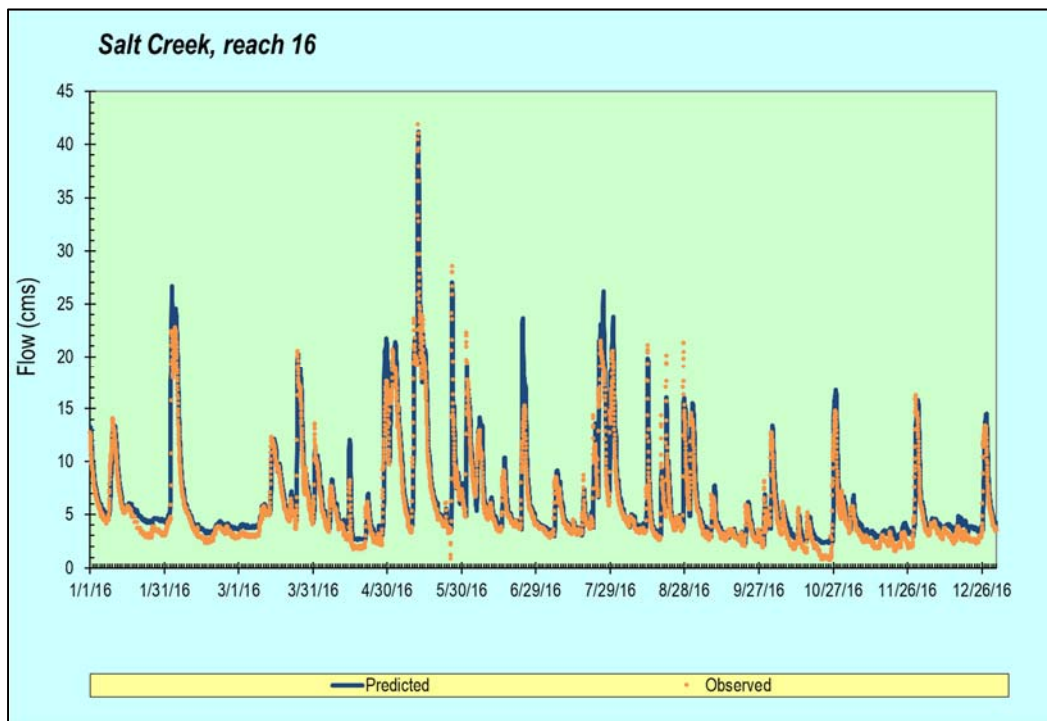


Figure 19. Salt Creek Simulated and Observed Water Temperature ($^{\circ}\text{C}$) at Reach 16 (SCWR).

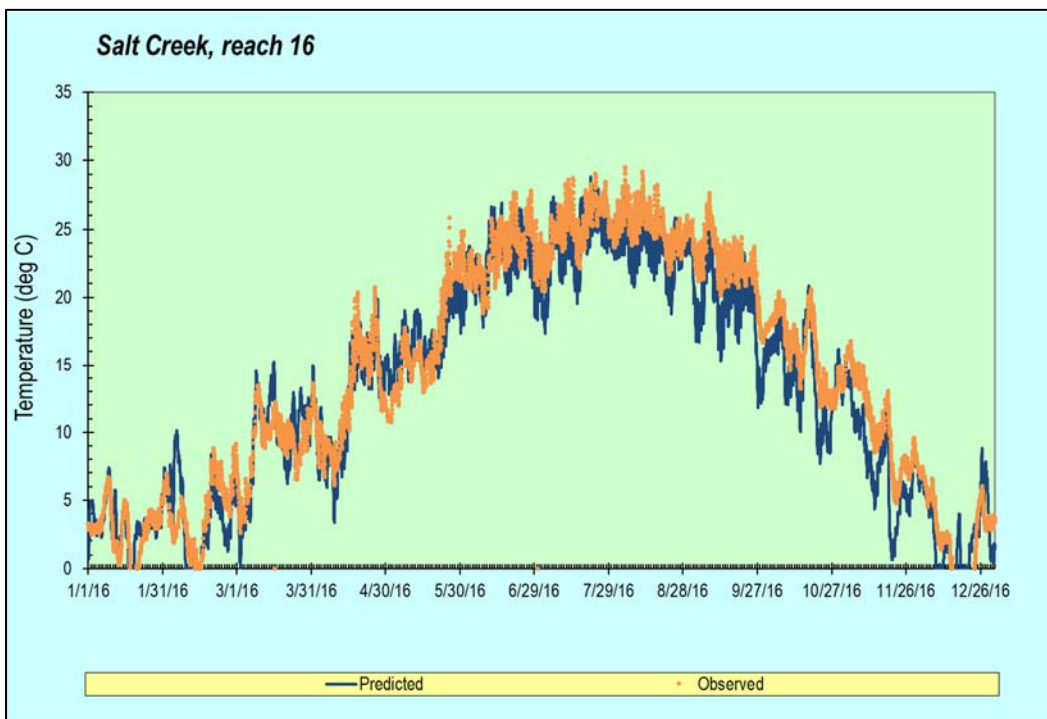


Figure 20. Salt Creek Simulated and Observed Nitrogen Species ($\mu\text{g/L}$) at Reach 12(SCGD).

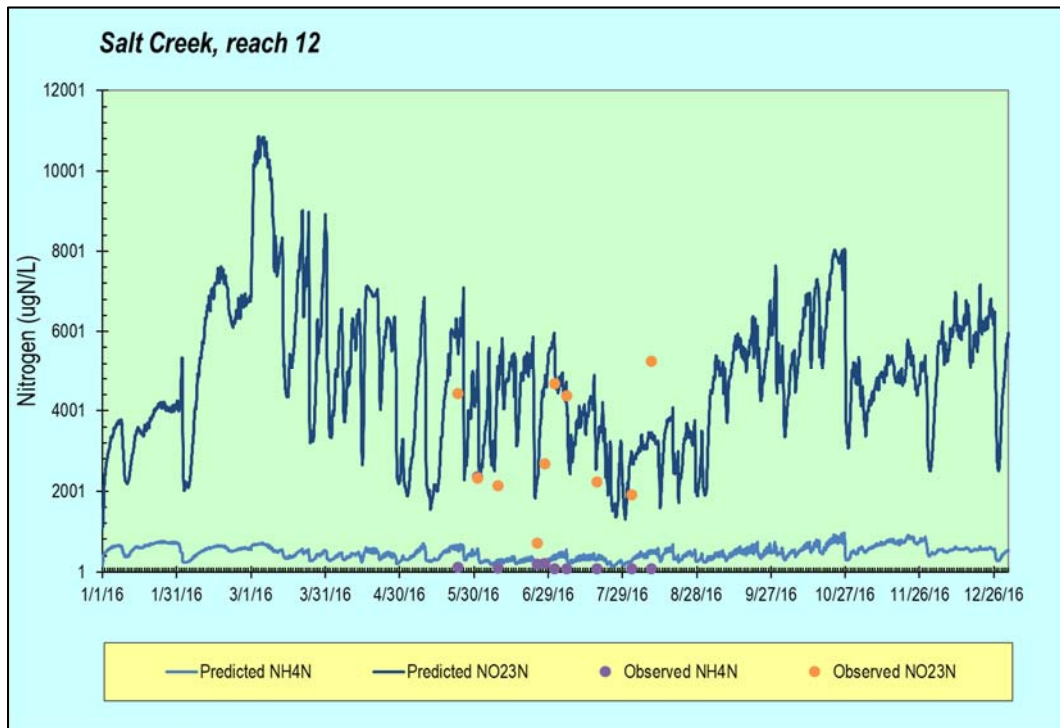


Figure 21. Salt Creek Simulated and Observed Total Phosphorus ($\mu\text{g/L}$) at Reach 12 (SCGD).

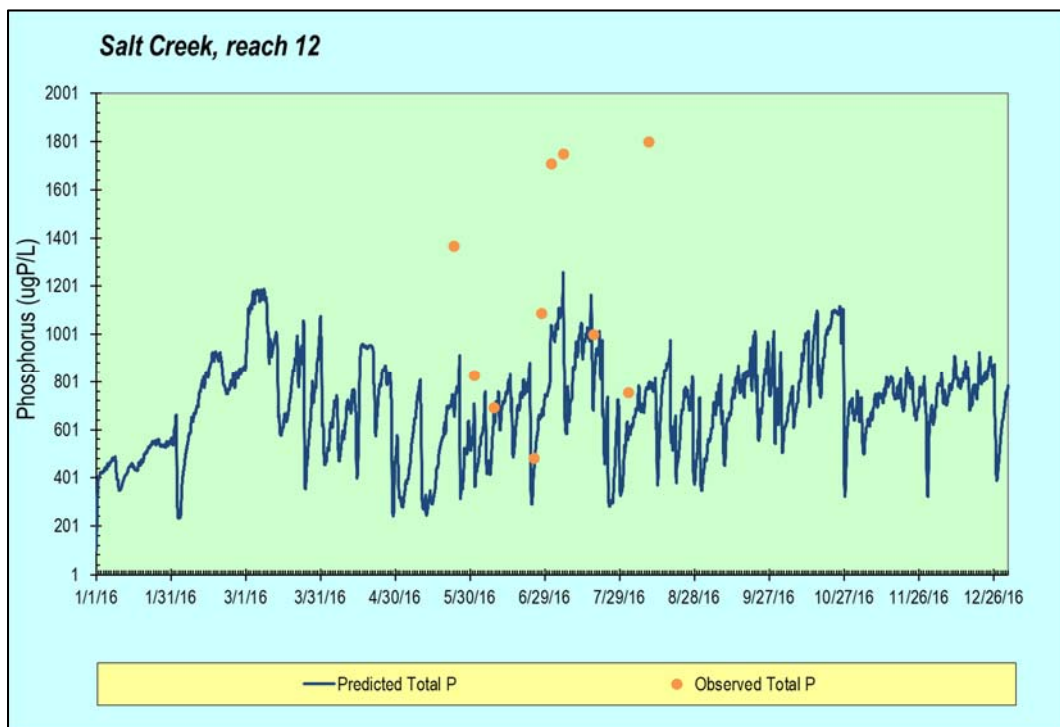
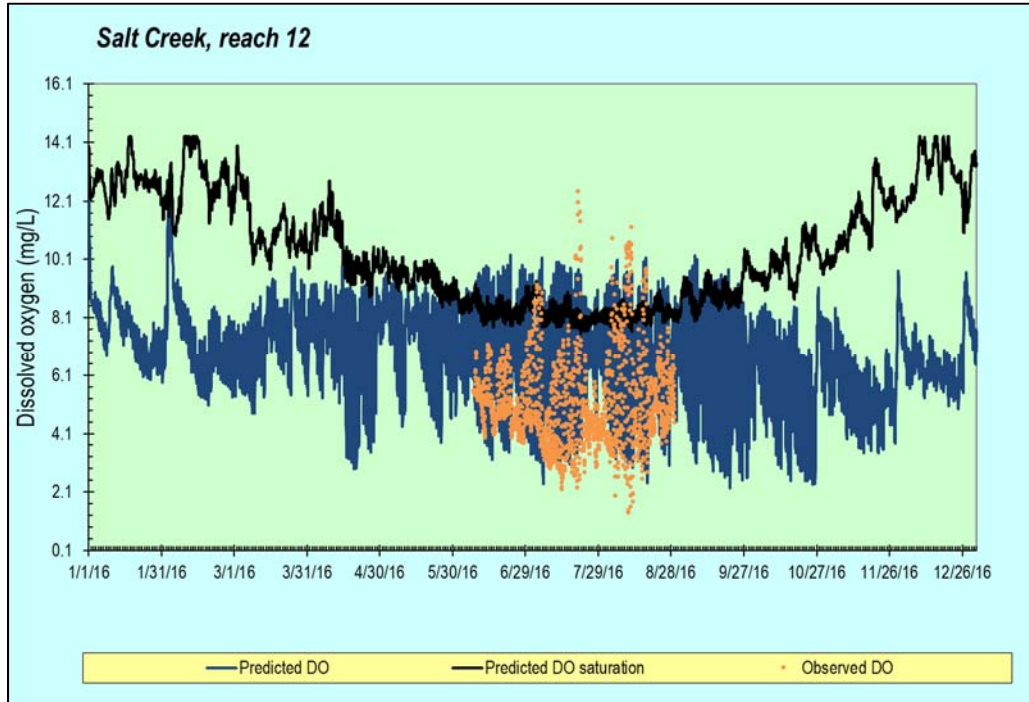


Figure 22. Salt Creek Simulated and Observed Dissolved Oxygen (mg/L) at Reach 12 (SCGD).



Task 2B: Model Development, Calibration, and Validation for West Branch DuPage River and Lower DuPage River

Task 2B will be conducted for the West Branch DuPage River and Lower DuPage River watersheds in 2021.

Task 3: Sensitivity Analysis

East Branch DuPage River

The calibrated QUAL2Kw model for East Branch DuPage River was used to examine the sensitivity of DO levels to various stressors or altered conditions. Sensitivity was evaluated as the simulated change in minimum DO concentration between March – July at the downstream end of the East Branch DuPage River above the confluence with West Branch DuPage River. This metric was selected because it is consistent with Illinois water quality standards, which specify that DO is to be above 5.0 mg/L at any time during these months.

Multiple factors influence minimum DO, including the temperature that alters oxygen solubility in the water column as well as algal respiration, SOD, and other biogeochemical processes. Based on the QUAL2Kw model sensitivity analyses for the East Branch DuPage River, an increase in DO levels in boundary waters (i.e., headwater, tributary, and diffuse inflows) was predicted to have the greatest impact on raising the instream minimum DO concentration

relative to the other parameters tested. Minimum DO was also relatively sensitive to changes in SOD, algae presence, and stream shading. Minimum DO was less sensitive to changes in nutrients and air temperature. It is important to note, however, that nutrients may be above saturation to support algal growth in the river, thus, the response to nutrient reductions may be minimal until a critical threshold that hinders algal growth is achieved (i.e., the relationship is not linear as implied by a leverage analysis), particularly for bioavailable inorganic forms of nutrients. Additionally, long-term changes in nutrient fluxes to the stream may have synergistic impacts on the stream which cannot be captured, such as changes to long-term average SOD due to changes in sediment accumulation of organic matter.

Salt Creek

Similar to the East Branch DuPage River model, the calibrated Salt Creek QUAL2Kw was used to examine the sensitivity of DO levels to various stressors or altered conditions. Based on the Salt Creek QUAL2Kw model sensitivity analyses, an increase in flow in boundary waters (i.e., headwater, tributary, and diffuse inflows) was predicted to have the greatest impact on raising the instream minimum DO concentration relative to the other parameters tested. This is expected as increasing and decreasing flows has an additive impact of increasing loads of associated water chemistry parameters. Minimum DO was also relatively sensitive to changes in algae presence and SOD. Minimum DO was less sensitive to changes in nutrients, air temperature, and shading. It is important to note, however, that nutrients may be above saturation to support algal growth in the river, thus, the response to nutrient reductions may be minimal until a critical threshold that hinders algal growth is achieved (i.e., the relationship is not linear as implied by a leverage analysis), particularly for bioavailable inorganic forms of nutrients. Additionally, long-term changes in nutrient fluxes to the stream may have synergistic impacts on the stream which cannot be captured, such as changes to long-term average SOD due to changes in sediment accumulation of organic matter. In general, however, the model was more sensitive to changes in nitrogen than phosphorus, perhaps due to model performance being biased low relative to total phosphorus concentrations.

West Branch DuPage River and Lower DuPage River

Sensitivity Analysis for the Lower DuPage River, and West Branch DuPage River models will be conducted in early 2021.

Task 4: Model Scenarios

The Scope of Work for Task 4 was detailed in the 2019 Annual Report. Task 4 will be completed for all four (4) watersheds in 2021.

3.3 NPS Phosphorus Feasibility Analysis

- Special Cond Special Condition Listed Completion Date – December 2021
- Status – In planning

The DRSCW and LDRWC budgeted \$183,610 for this effort and anticipates the majority of the expenditures in 2020-2021.

3.3.1. Consultant Roundtable

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

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

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

3.3.3. Leaf Litter, Street Sweeping, and Stormwater Sewer Inlet Survey / NPS Phosphorus Management

In an effort to calculate the probable distribution of leaf litter mass on roads the DRSCW developed a spatial file showing the current distribution of tree canopy overhanging roadways. Canopy coverage for the project area was generated using the tree canopy class of the high-resolution land cover data set for the Chicago region Spatial Analysis Laboratory (SAL) of the University of Vermont. The data set covers a total of 10 counties: Cook County, DuPage County, Kane County, Kendall County, Lake County (IL), McHenry County, Will County, Lake County (IN), LaPorte County and Porter County, providing complete coverage of the project area. The high-resolution dataset was created using imagery, LiDAR, and ancillary vector data sets to populate an object-based image analysis system supported by tens of thousands of manual corrections. Road data was created from county level Right Of Way (ROW) data. ROW data, originally collected for the IPS project (see Chapter 3.1), was supplied by Cook and DuPage County and was verified against recent imagery. ROW data for Will County was generated using aerial imagery. The ROW files were then merged and used to clip the canopy layer (see Plate 15). The final GIS file (developed pro bono by V3 Companies) contains data on the tree canopy overlying the ROW within the whole of the program area. Using the GIS file, the significant percentage of canopy by total roadway area, by watershed area and by management agency can be calculated in Cook, DuPage, and Will Counties. This provides the basis for a relative weighting of how much phosphorous from leaf litter could potentially make its way into receiving streams. Table 16 is an output from the final GIS file and lists percent of the ROW that has canopy cover by watershed.

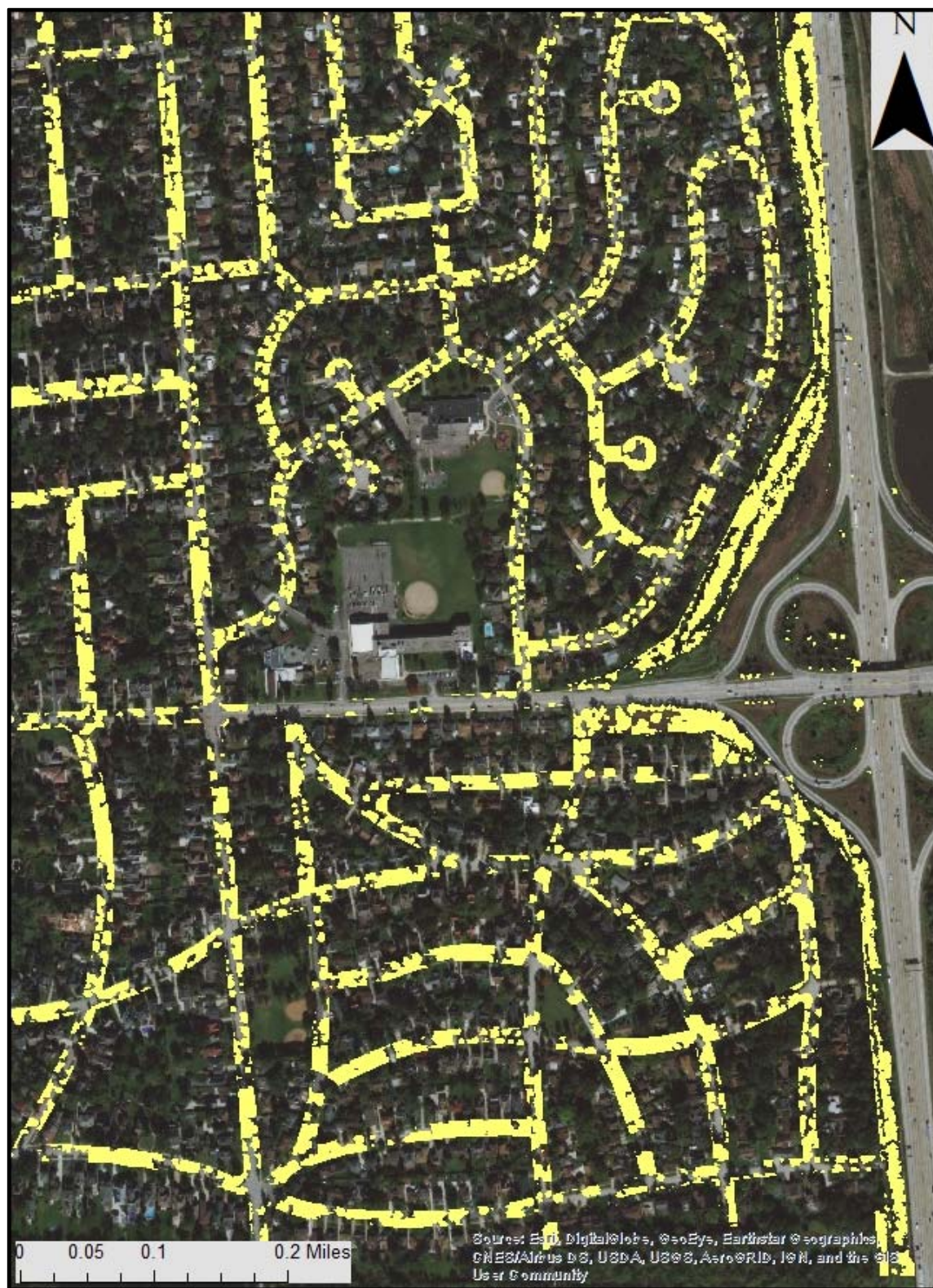


Plate 15. Example of the GIS output of the merged and clipped canopy and ROW layers.

Table 16. Output from the Canopy ROW spatial file showing the percentage of total ROW area that has canopy area.

HUC 12 Watershed	Percent ROW with Canopy Cover
Addison Creek	24.7
Du Page River	13.3
East Branch Du Page River	26.9
Headwaters East Branch Du Page River	24.6
Lily Cache Creek	12.5
Lower Salt Creek	33.1
Lower West Branch Du Page River	20.1
Middle Du Page River	8.8
Middle Salt Creek	19.8
Middle West Branch Du Page River	18.3
Rock Run-Illinois and Michigan Canal	14.0
Spring Brook-Du Page River	10.4
Upper Salt Creek	26.5
Upper West Branch Du Page River	24.4

A second part of the study is reviewing the current level of practice and management of leaf litter. A survey has been created to collect information on the current practices involving leaf litter collection within the project area. This survey was developed from a similar leaf litter collection survey that was distributed in Wisconsin, as well as a street sweeping questionnaire distributed by DCSM. The draft survey is hosted by the website JotForm which provides tools to make the form, a link to distribute it, and a secondary location to store results. In addition to the survey, the DRSCW and LDRWC hopes to receive copies of relevant leaf collection, street sweeping, and catch basin contracts to better understand how they operate. A draft of the survey is attached in the Attachment 7.

The survey is scheduled to be issued in April 2021.

3.4 Development of a Basin Wide Nutrient Trading Program

Special Condition 8.c. allows the DRSCW/LDWRC to develop and implement a trading program for the POTWs in the DuPage River and Salt Creek watersheds. The nutrient trading program will allow for the re-allocation of phosphorus loadings between two or more POTWs in the DuPage River and Salt Creek watersheds as long as the following two conditions are met:

- The trade allocated loadings will not exceed the anticipated loading from the uniform application of the applicable 1.0 mg/L monthly average effluent limitation among the POTW permits in the DRSCW watersheds; and

- The trade allocated loadings also remove DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 IL Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 IL Adm. Code 302.203.

Special Condition 8.c. also allows for the implementation of the nutrient trading program within the 10-year permit cycle by allowing the IEPA to modify the NPDES permits if the nutrient trading program meets the criteria detailed above.

Estimated date of completion for the basin wide nutrient trading program is FY 2021-2022.

Brief descriptions are described below of the project's original scope of work, the work completed between April 1, 2020 and March 31, 2021 by Task, and recommended modifications to the project's scope to reflect shifting priorities.

Task 1: Project Kick-off and Schedule Analysis

This task was completed in 2017 and discussed in the 2017 Annual Report.

Task 2. Develop POTW Data Collection Checklist

This task was completed in 2017 and discussed in the 2017 Annual Report.

Task 3: Analyze and Define Eligibility Criteria

Eligibility criteria determine when, where, and what point and nonpoint sources are allowed to trade through the nutrient trading framework. This task will focus on analyzing and defining eligibility criteria for participating in trading, specifically baselines, geographic trading boundaries, and habitat project eligibility. In 2019-2020, work on eligibility criteria shifted away from point-to-point source trading among WWTPs due to ongoing discussions related to nutrient criteria and permit limits. Instead, this task has focused on the discussions and analysis related to stream restoration credits and equivalency factors, initiated under Task 5 in 2018.

Task 4: Analyze POTW Data and Fill Data Gaps

This task is complete and is discussed in the 2019 Annual Report.

Task 5: Develop/Analyze POTW Nutrient Reduction Costs

As discussed in the 2019 Annual Report, this Task remains on hold due to ongoing discussions about nutrient criteria and permit limits.

Task 6: Evaluate PS-NPS and Stream Restoration Trading

As part of the DRSCW and LDRWC's efforts to meet negotiated permit requirements and provide an opportunity to achieve future permitting relief, the watershed workgroups are examining the potential for offsetting nutrient reductions by incentivizing stream restoration projects implemented by the POTWs. These include projects identified by the Identification and Prioritization System (IPS) Model (Section 3.1) that go above and beyond those currently listed in the Special Conditions Paragraph 2 of NPDES permits. The 2018 Annual Report described the preliminary analysis and conceptual approaches to stream restoration crediting efforts, programs, and methodologies used in other watersheds captured by the project team in a technical memorandum. In 2019, work focused on developing a potential approach and analysis questions for developing a stream restoration crediting equivalency factor that could use DRSCW's IPS Model.

In late Summer 2020, Midwest Biodiversity Institute (MBI) completed their work on the DRSCW's IPS Model. The final version of the IPS Model was then shared with the Trading Consultant Team for a comprehensive review of its feasibility in assisting with the developing stream restoration credits. Following their initial review, two meetings (November 20, 2020 and December 10, 2020) were held between DRSCW staff, MBI, and the Trading Consultant Team to further discuss the IPS model and its applicability to stream restoration crediting.

Following these discussions, in January 2021, the Trading Consultant Team recommended a revised set of tasks needed to complete the development of the stream restoration benefits quantification approach.

Task 6A: Analyze Existing Stream Restoration TP Crediting Methodologies

Under this Task, the Trading Consultant Team will conduct an analysis of the newly updated Chesapeake Bay stream restoration protocols, WEF Stream Restoration as a BMP: Crediting Guidance, and select others to identify phosphorus crediting methodologies that are applicable for use by DRSCW for stream restoration benefits quantification. The Trading Consultant Team will create an applicability memorandum for the methodologies associated with each of the stream restoration practices. The Trading Consultant Team will also conduct a rough estimate of expected credits from an existing stream restoration project using the unmodified credit methodology to determine a general quantification of phosphorus reduction benefit associated with this approach. This will allow DRSCW to determine if modification of the existing credit methodology to quantify phosphorus reduction benefits would be a beneficial future effort for DRSCW stream restoration projects.

Task 6B: Research and Develop an Innovative Stream Restoration Benefits Quantification Approach Based On In-Stream Habitat (e.g., QHEI) and/or Other Important Stream Quality Indicators

Under this Task, the Trading Consultant Team will take a step-by-step approach to research and develop an innovative empirical statistical modeling approach to stream restoration benefits quantification. Each activity under this task will add to the base of knowledge about the feasibility of this approach. The Trading Consultant Team will ensure each completed activity summarizes the potential barriers and challenges of this approach and how these barriers and challenges will both inform and impact outcomes. The activities included in Task 6B are:

- Review existing DRSCW data sets and analyses, identify new data and additional analyses that may be needed.
- Develop statistical analysis options.
- Conduct literature review.
- Select and develop statistical analysis model.

Task 6C: Develop Stream Restoration Project Benefits Quantification Approach Document

Under Task 6C, the Trading Consultant Team will draft the stream restoration benefits quantification approach document that outlines the rationale and the process for the quantification approaches from Tasks 6A and 6B.

Task 6D: Input Meeting Support

The stakeholder meeting under this task will focus on presenting the draft document from Task 6C to the DRSCW Project Committee, DRSCW Executive Board, as well as other key stakeholders including IEPA and environmental advocacy groups (EAGs), to obtain feedback on the approach.

The proposed scope revisions detailed in Tasks 6A to 6D cost an additional \$80,000-120,000 above the current contract the DRSCW has signed with the Trading Team. As such, at the time of this report, the DRSCW is still reviewing the proposed scope changes and additional fees. The DRSCW will hold a meeting with its Special Condition Permit holders in April 2021 to discuss how to proceed with Task 6.

3.5 NIP Related Items

3.5.1. Chlorophyll a Sampling

The DRSCW bioassessment program began in 2007 with sampling in the West Branch DuPage River, East Branch DuPage River and Salt Creek watersheds. From 2009-2016, each watershed was sampled on a 3-year rotation beginning with the West Branch DuPage River watershed in 2006. Beginning in 2017, the watersheds will be sampled in a 4-year rotation to allow time for

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

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

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

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

In 2019, the DRSCW expanded its chemical monitoring to include sestonic chlorophyll a sampling beginning with the East Branch DuPage River in 2019. The West Branch DuPage River was sampled in 2020. Salt Creek and the Lower DuPage River watersheds are scheduled for 2021.