DOWNERS GROVE SANITARY DISTRICT GENERAL MANAGER'S REPORT January 15, 2021

January Board Meeting

Copies of the following items are enclosed for the January 19, 2021 meeting:

- 1) Proposed Agenda
- 2) Determination to Hold Meeting Virtually
- 3) Minutes of the December 15, 2020 regular meeting
- 4) Stanley Avenue Sewer Rehabilitation Contract Change Order
- 5) Claim Ordinance 1897
- 6) Operations Report 2020 WWTC Annual Summary
- 7) Operations Report 2020 Collection System Construction Summary
- 8) Operations Report 2020 Collection System Performance
- 9) Operations Report 2021 Collection System Work Plan
- 10) Memo regarding CD investment at BMO Harris Bank
- 11) Executive Session 2021-22 Salary Schedule Confidential under Separate Cover
- 12) Executive Session Memo re: proposed COVID related compensation *Confidential under Separate Cover*

BOLI Meeting

There is no BOLI meeting scheduled this month.

Operations Reports

Copies of the following are enclosed for December 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.

<u>Financial</u>

A copy of the Investment Schedule as of December 31, 2020 is enclosed.

The Treasurer's Report for December 2020 covering the first eight months of FY 20-21 is included here, along with a summary cover memo.

Meetings

I attended the following meetings since the December 11, 2020 General Manager's report:

- December 15 attended IAWA NARP meeting
- December 15 & 16 attended DRSCW Executive Board interviews of short listed consultants for design services on the Fullersburg Woods project. Larry also attended.
- December 15 attended NACWA webinar on "Quantifying COVID-19 Trends via WBE Surveillance: The State of the Industry and Science"
- December 17 attended NACWA Small & Mid-Size Utility Executive Working Group meeting
- January 8 attended IAWA Technical Committee meeting. Clay also attended.
- January 12 attended CSWEA Local Arrangements Committee meeting
- January 15 attended CSWEA Executive Committee meeting

Miscellaneous

Copies of the following items are enclosed:

1) General Manager's Reports to the Employees dated December 18 and January 1 and 15

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

DOWNERS GROVE SANITARY DISTRICT BOARD OF TRUSTEES MEETING JANUARY 19, 2021 – 7:00 PM VIRTUAL/BOARD ROOM

PROPOSED AGENDA

- I. DETERMINATION TO HOLD MEETING VIRTUALLY
- II. APPROVAL OF MINUTES
 - A. REGULAR MEETING DECEMBER 15, 2020
- III. APPROVAL OF STANLEY AVENUE SEWER REHABILITATION CONTRACT CHANGE ORDER
- IV. APPROVAL OF CLAIM ORDINANCE NO. 1897
- V. PUBLIC COMMENT
- VI. OLD BUSINESS
- VII. NEW BUSINESS
 - A. OPERATIONS REPORTS
 - 1. 2020 WWTC OPERATIONS SUMMARY
 - 2. 2020 COLLECTION SYSTEM CONSTRUCTION SUMMARY
 - 3. 2020 COLLECTION SYSTEM PERFORMANCE
 - 4. 2021 COLLECTION SYSTEM WORK PLAN
 - B. INVESTMENT IN CERTIFICATE OF DEPOSIT
 - 1. BMO HARRIS BANK

VIII. EXECUTIVE SESSION - PERSONNEL

To discuss employee compensation per exception 2(c)1 of the Illinois Open Meetings Act.

PLEASE NOTE:

In order to comply with Tier 3 resurgence mitigations under the Restore Illinois plan, the District will hold this meeting split virtually and physically, and a maximum of 6 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: Jan 19, 2021 07:00 PM Central Time (US and Canada) Topic: January Board Meeting for DGSD Board of Trustees

LINK for Livestreamed Meeting via Zoom: https://us02web.zoom.us/j/88985121743?pwd=cExab3I2aTJIa3NvcWFoaVBkZzltUT09

Passcode: 939208

Or iPhone one-tap: US: +13126266799,,88985121743#,,,,*939208# or +16465588656,,88985121743#,,,,*939208#

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 +1 346 248 7799 or +1 669 900 9128 or +1 253 215 8782

Webinar ID: 889 8512 1743 Passcode: 939208

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 January 19, 2021. The form can be found here: https://www.dgsd.org/government/public-comment/





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

aul 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

Providing a Better Environment for South Central DuPage County

MEMORANDUM

- To: Wallace Van Buren, President
- From: Amy Underwood, General Manager
- Date: January 15, 2021
- Re: Determination to Hold Meeting Virtual

In order to comply with the Tier 3 resurgence mitigations under the Restore Illinois plan, a maximum of six (6) individuals may be in attendance in the Board Room at the January 19, 2021 Board of Trustees meeting. As the normal attendance at a District Board meeting without public present typically exceeds this maximum, a fully in-person Board meeting cannot be held. In order to conduct the meeting by video conference, you as the head of the public body needs to formally determine that an in-person meeting or a meeting conducted under the Open Meeting Act is not practical or prudent because of a disaster. After the Pledge of Allegiance and before the Roll Call, you will need to read out loud the following statement:

"I, Wallace Van Buren, President of the Downers Grove Sanitary District Board of Trustees 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 regular meeting of the District's Board of Trustees scheduled to take place on Tuesday, January 19th at 7:00 p.m. is not practical or prudent because of the disaster."

After you read the statement above, Administrative Supervisor Campbell will verify that all members of the Board can hear one another.

Please note that the District shall comply with all other Open Meetings Act provisions referenced in Senate Bill 2135 in the holding of its January 19, 2021 Board of Trustees meeting.

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

General Manager Amy R. Underwood

Legal Counsel Michael G. Philipp

MINUTES

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, December 15, 2020, 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, General Manager Amy R. Underwood and Administrative Supervisor W. Clay Campbell. Trustees Amy E. Sejnost and Paul W. Coultrap were not physically present but did attend the meeting by electronic means (both audio and video) using Zoom. Attorney for the District Michael G. Philipp and Information Coordinator Alyssa J. Caballero also attended virtually as staff. Staff Engineer Alex M. Bielawa and Laboratory Supervisor Reese Berry attended virtually as members of the public. Mark Eddington, President of the Central States Water Environment Association also attended virtually as a presenter for one of the agenda items. Lab Analyst Stephanie Cioni attended virtually also for one of the agenda items.

Determination to Hold Meeting Virtually

In accordance with Illinois Senate Bill 2135, signed into law by Governor Pritzker on June 12, 2020, Trustee Van Buren, as President of the District's Board of Trustees 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 regular Downers Grove Sanitary District Board of Trustees meeting shall be held virtually and in doing so shall comply with all other Open Meetings Act provisions referenced in Illinois Senate Bill 2135.

CSWEA Young Professional Award - Illinois

Mark Eddington, President of the Central States Water Environment Association (CSWEA), presented the CSWEA Young Professional Award to one of the District's laboratory analysts, Stephanie Cioni.

Minutes of Regular Meeting – November 17, 2020

A motion was made by Trustee Coultrap seconded by Trustee Sejnost approving the minutes of the regular meeting held on November 17, 2020, and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Change Order No.1 for 2020 Televising

General Manager Underwood presented a memo recommending to the Board of Trustees approval of a change order for the District's 2020 Televising Contract with SEWERTECH, LLC. for a net decrease in contract cost of \$3,615.00. Approval of Change Order No. 1 would bring the total contract amount to \$80,807.50. A motion was made by Trustee Sejnost seconded by Trustee Coultrap approving the Televising Contract Change Order No. 1 for a net decrease in the amount of \$3,615.00 and for the General Manager to sign the same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Claim Ordinance No. 1896

A motion was made by Trustee Coultrap seconded by Trustee Sejnost adopting Claim Ordinance No. 1896 in the total amount of \$703,853.45 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

Old Business – None

New Business

Financial Auditing Services Agreement

Administrative Supervisor Campbell presented a proposal and engagement letter from Lauterbach & Amen, LLP, who has performed the District's audit for the last six fiscal years, to provide audit services for the next three fiscal years for the District. A motion was made by Trustee Sejnost seconded by Trustee Coultrap to sign an engagement agreement with Lauterbach & Amen, LLP to perform the District's annual audit for Fiscal Years 2020-21, 2021-22 and 2022-23 in the corresponding amounts of \$14,300, \$14,600, and \$14,900 as presented and authorizing the President and Clerk to execute the agreement. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Schedule of 2021 Regular Meetings for Board of Trustees

Administrative Supervisor Campbell presented the Schedule of Regular Meetings for Calendar Year 2021. The approved schedule will be provided to the local papers and posted on the District's website. A motion was made by Trustee Sejnost seconded by Trustee Coultrap approving the Schedule of Regular Meetings for Calendar Year 2021 as presented and directing staff to proceed with providing notice in accordance with the Open Meetings Act. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Other New Business

Trustee Van Buren inquired about the current status of the Sewer System Permit Technician job opening and the current status of collections on delinquent user accounts related to the current COVID-19 pandemic. He also noted the progress on the control panel replacement at two excess flow clarifiers and the natural gas line replacement near the microstrainer building, both noted in Maintenance Supervisor Barta's monthly report. Trustee Van Buren thanked employees for their work during the COVID-19 pandemic. Lastly, he wished District employees a Merry Christmas and Happy New Year.

Trustee Sejnost congratulated Stephanie Cioni on receiving the CSWEA Young Professional Award. She inquired about the COVID-19 wastewater surveillance testing program that the District has recently applied to. She also inquired about the biosolids distribution program hauling for November and the current status of obtaining the dental amalgam rule forms, both noted in Lab Supervisor Berry's monthly report. She noted the industrial sampling was completed and the data

collected was well under each permitted users limits, also noted in Lab Supervisor Berry's monthly report. Trustee Sejnost thanked employees for their work and staying safe during the COVID-19 pandemic. Lastly, she wished everyone a safe and festive holiday season.

Trustee Coultrap also congratulated Stephanie Cioni on receiving the CSWEA Young Professional Award. He noted he was happy to see that employees were receiving an Amazon gift card in lieu of the District's annual employee holiday party. He also inquired about whether the District has had any COVID-19 cases or employees that had to quarantine and whether the COVID sick leave was going to be extended into 2021. Lastly, Trustee Coultrap wished employees a Merry Christmas and Happy New Year.

A motion was made by Trustee Coultrap seconded by Trustee Sejnost to adjourn the regular meeting at 7:35 p.m. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Approved: January 19, 2021

President

Attest:

Clerk

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

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: Amy Underwood, General Manager From: Alex Bielawa, Staff Engineer Date: January 15, 2021 Subject: Change Order No.1 for the Stanley Ave. Sewer Rehabilitation

There were field quantity changes that were needed to complete the project. Change Order No. 1 attached is intended to establish approval of these changes.

The change order represents a 13.96% increase of the bid price.

I recommend Staff seek approval from the Board of Trustees for Change Order 1 to the Stanley Ave. Sewer Rehabilitation Contract with Insituform Technologies, USA for a net increase in contract cost of \$14,357.40, and for permission for the General Manager to sign the same on behalf of the District. The final payment to the contractor, including this change order amount, is included in Claim Ordinance 1897.

C: WDVB, AES, PWC, KJR, RTJ, MJS, JPB, MRM, WCC, MGP

CHANGE ORDER NO. 1 (Final)

PROJECT:	WWTC – 2020 Stanley Aven Rehabilitation	ue Sanitary Sewer	DATE OF ISSUANCE:	January 11, 2021
OWNER:	Downers Grove Sanitary Dis	trict	ENGINEER:	Baxter & Woodman, Inc.
CONTRACT	OR: Insituform Technologie	s USA, LLC	ENGINEER's Project No.	200410.40
ou are direc	ted to make the following cha	nges in the Contract	Documents:	
Descriptio	on: Change Order for addi	tional work items an	d balancing of unit price items.	
Purpose o	f Change Order: Change	in final contract price	e and contract time.	
Attachme				
· · · · · · · · · · · · · · · · · · ·	nes. Thiai pay request			
CHANGE I	N CONTRACT PRICE:		CHANGE IN CONTRACT TH	ME:
Original Co	ontract Price:	\$102,812.00	Original Contract Time: Substantial Completion: Completion:	September 13, 2020 October 13, 2020
	hange Orders: _ to No	0	Change from previous Chang	ge Orders: 0
Current Co	ontract Price:	\$ 102,812.00	Current Contract Time: Substantial Completion: Completion:	· 전 전 문 · · · · · · · · · · · · · · · ·
Net increas	se of this Change Order:	\$ 14,357.40	Net increase of this Change	
Contract P	rice with this Change Order:	\$117,169.40	Contract Time with this Cha Substantial Completion: Completion:	nge Order: September 13, 2020

NOTE: USE ANYTIME THE CHANGE ORDER EXCEEDS \$10,000 ± OR 30 DAYS EXTENSION.

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

PREPARED BY:

APPROVED:

DOWNERS GROVE SANITARY DISTRICT

ACCEPTED:

INSITUFORM TECHNOLOGIES USA, LLC.

Bv

BAXTER & WOODMAN, INC.

Raymond N. Koenig Infrastructure Department Manager

RECOMMENDED BY:

Weld (by PAR) Bv

Derek J. Wold , P.E. Client Manager

Amy R. Underwood, P.E. General Manager

Bv

Jana Lause **Contracting and Attesting Officer**

Downers Grove, Illinois

Date: January 19, 2021

Claim Ordinance No. 1897

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 **\$628,338.19** being in words and figures as follows:

DATE 12/16/20 PERIOD END 12/12/20 PAGE 5

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		51131.62-
	FEDERAL TAX WITHHELD		8488.51-
	STATE TAX WITHHELD		3694.40-
01-00.2002	SOCIAL SECURITY WITHHELD		6082.31-
01-00.2003	IMRF WITHHELD		3550.08-
01-00.2013	CREDIT UNION WITHHELD		2333.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3206.42-
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		902.71-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		337.80-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		273.00-
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	976.65	
01-11.A004	FINANCIAL RECORDS	6851.19	
01-11.A005	ADMINISTRATIVE RECORDS	838.92	
01-11.A007	CODE ENFORCEMENT	5068.09	
01-11.A008	SAFETY ACTIVITIES	944.87	
01-11.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	175.00	
01-12.A006	ENGINEERING	1980.75	
01-12.A011	MAINTENANCE - WWTC	10362.97	
01-12.A014	MAINTENANCE - ELECTRICAL	6933.27	
01-12.A021	WWTC - OPERATIONS	14623.21	
01-12.A022	WWTC - SLUDGE HANDLING	6617.22	
01-12.A023	WWTC - ENERGY RECOVERY	355.31	
01-12.A030	BUILDING AND GROUNDS	3650.96	
01-13.A041	LAB - WWTC	5356.46	
01-13.A048	LAB - ENERGY RECOVERY	68.51	
01-14.A006	ENGINEERING	105.64	
01-14.A051	SEWER MAINTENANCE	7638.01	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	663.02	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1814.70	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	347.16	
01-14.A064	INSPECTION - MISCELLANEOUS	1555.65	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	2371.84	
01-14.A066	INSPECTION - CODE ENFORCEMENT	789.06	
01-14.A072	SEWER INVESTIGATIONS	272.40	
01-14.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	25.00	
01-15.A006	ENGINEERING	26.41	
01-15.A080	LIFT STATION MAINTENANCE	307.50	
		80719.77	80719.77-

80719.77 80719.77-

GENERAL LEDGER RECAP

DATE 12/17/20 PERIOD END 12/15/20 PAGE 4

Payroll Ending Date: 12/15/20 Payroll Paid Date: 12/17/20 GL Date: 01/31/20

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
	CASH - PAYROLL ACCOUNT		21621.59
01-00.2000	FEDERAL TAX WITHHELD		3118.21
01-00.2001	STATE TAX WITHHELD		1417.33
01-00.2002	SOCIAL SECURITY WITHHELD		1981.27
01-00.2003	IMRF WITHHELD		1116.56
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		841.07
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		173.59
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		878.97
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		127.40
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		213.27
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06
01-11.A003	GENERAL MANAGEMENT	8797.37	
01-11.A004	FINANCIAL RECORDS	498.47	
01-11.A005	ADMINISTRATIVE RECORDS	222.88	
01-11.A007	CODE ENFORCEMENT	8209.20	
01-11.A008	SAFETY ACTIVITIES	169.70	
01-12.A009	OPERATIONS MANAGEMENT	4189.14	
01-12.A011	MAINTENANCE - WWTC	4710.09	
01-12.A014	MAINTENANCE - ELECTRICAL	54.10	
01-12.A021	WWTC - OPERATIONS	261.91	
01-13.A009	OPERATIONS MANAGEMENT	2221.00	
01-13.A041	LAB - WWTC	44.31	
01-13.A042	LAB - PRETREATMENT	1732.21	
01-13.A047	LAB - MICRO	44.77	
01-14.A006	ENGINEERING	68.77	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	239.97	
01-15.A006	ENGINEERING	68.05	
01-15.A009	OPERATIONS MANAGEMENT	34.38	
		31566.32	31566.32

DATE 12/30/20 PERIOD END 12/26/20 PAGE 5

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		50480.86-
01-00.2000	FEDERAL TAX WITHHELD		8263.48-
01-00.2001	STATE TAX WITHHELD		3634.31-
01-00.2002	SOCIAL SECURITY WITHHELD		5983.54-
01-00.2003	IMRF WITHHELD		3478.05-
01-00.2013	CREDIT UNION WITHHELD		2333.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3234.86-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		309.65-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		967.91-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		337.80-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		267.72-
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	1204.98	
01-11.A004	FINANCIAL RECORDS	7052.80	
01-11.A005	ADMINISTRATIVE RECORDS	679.01	
01-11.A006	ENGINEERING	1056.40	
01-11.A007	CODE ENFORCEMENT	4834.75	
01-11.A008	SAFETY ACTIVITIES	541.12	
01-11.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	200.00	
01-12.A006	ENGINEERING	713.07	
01-12.A011	MAINTENANCE - WWTC	9300.11	
01-12.A014	MAINTENANCE - ELECTRICAL	6868.93	
01-12.A021	WWTC - OPERATIONS	15096.59	
01-12.A022	WWTC - SLUDGE HANDLING	7387.52	
01-12.A023	WWTC - ENERGY RECOVERY	135.09	
01-12.A030	BUILDING AND GROUNDS	3152.57	
01-13.A041	LAB - WWTC	5908.75	
01-13.A048	LAB - ENERGY RECOVERY	53.29	
01-14.A006	ENGINEERING	264.10	
01-14.A051	SEWER MAINTENANCE	7570.06	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	694.22	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1161.77	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	110.46	
01-14.A064	INSPECTION - MISCELLANEOUS	2289.78	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	742.61	
01-14.A066	INSPECTION - CODE ENFORCEMENT	2169.36	
01-15.A006	ENGINEERING	79.23	
01-15.A080	LIFT STATION MAINTENANCE	226.88	
		79493.45	79493.45-

DATE 01/04/21 PERIOD END 12/31/20 PAGE 4

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		21468.20-
01-00.2000	FEDERAL TAX WITHHELD		3115.95-
01-00.2001	STATE TAX WITHHELD		1422.10-
01-00.2002	SOCIAL SECURITY WITHHELD		2365.99-
01-00.2003	IMRF WITHHELD		1391.76-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		640.48-
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		213.33-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	9603.91	
01-11.A004	FINANCIAL RECORDS	589.36	
01-11.A007	CODE ENFORCEMENT	7781.98	
01-12.A006	ENGINEERING	64.47	
01-12.A009	OPERATIONS MANAGEMENT	4777.62	
01-12.A011	MAINTENANCE - WWTC	4236.29	
01-12.A014	MAINTENANCE - ELECTRICAL	49.68	
01-12.A021	WWTC - OPERATIONS	44.23	
01-13.A009	OPERATIONS MANAGEMENT	3326.37	
01-13.A042	LAB - PRETREATMENT	715.92	
01-14.A006	ENGINEERING	32.95	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	223.34	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	120.23	

31566.35 31566.35-

01 GENERAL FUND STANDARD CHECK REGISTER FOR 01/19/21

======= VENDOR ======		===== IN	NOICE ======					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
AFC INTERNATIONAL INC	A000066	12/21/20	61058	01-14.B113	Gas Meter Sensors	833.03	833.03	102793
AT & T MOBILITY	A000085	01/03/21	831873915	01-15.B112	LS Cell Dialer	55.86	55.86	062763
ACE HARDWARE	A000095	12/17/20	333501/2	01-12.B116	MSB Supplies	99.99	99.99	062764
ADVANCED DISPOSAL	A000153	12/31/20	Т80002432113	01-12.B102	Garbage & Recycling	360.77	360.77	062765
ALLIED WASTE SERVICE	A000255	12/15/20	551015037476	01-12.B102	Grit Screen Dumpster	843.98	843.98	062766
ALTORFER INDUSTRIES, INC.	A000292	01/05/21	PM60029463	01-12.B513	Emer Gen 1 Oil Test	154.00		
		01/05/21	PM600294634	01-12.B513	Emer Gen 3 Oil Test	154.00		
		01/05/21	PM600294635	01-12.B513	Emer Gen 2 Oil Test	154.00	462.00	102794
SYNCHB/AMAZON	A000295	12/29/20	443733493498	01-12.B117	SA Outerwear	129.99		
		12/14/20	443874976367	01-11.B115	Monitors Admin Staff	180.49		
		12/09/20	443898359767	01-11.B116	Admin Calendars	39.33		
		12/09/20	443898359767	01-14.B116	SS Appt Books	24.62		
		12/16/20	448973785534	01-14.B116	SS Supplies	49.43		
		12/11/20	454548535387	01-11.B115	Monitors For Admin Staff	360.98		
		12/17/20	475743965465	01-11.B115	Admin Doorbell	69.99		
		12/08/20	478747656985		MSB Office Chair	98.89		
		12/05/20	534568685947	01-12.B117	BM Outerwear	79.98		
			538835798548		Phone Case	22.13		
			666995757837		Cell Phone Accessories	93.08		
		12/08/20	695745564637		CP Outerwear	62.88		
		12/02/20	759963457837		Cell Phone Stands	27.98		
		01/03/21	839887436446	01-12.B117		62.48		
		12/10/20	894796546956	01-12.B117	NP Outerwear	32.40		
		12/10/20	944589885544	01-12.B117	ST Outerwear	52.99		
		12/23/20	964945383764	01-12.B117	MRM Outerwear	151.99	1539.63	062767
ASSOCIATED TECHNICAL SERVICES	۸000490	12/23/20	33268	01-15.B527	Venard Force Main Break	621.00	621.00	062801
AUTOZONE - AZ COMMERCIAL	A000490	12/15/20	256714215		Auto Parts	55.93	021.00	002001
AUTOZONE - AZ COMMERCIAL	A000000	10/28/20	2576684576		Auto Parts - Compost Truc	285.98		
			2576684581					
		10/28/20			Compost Truck Battery Crd	44.00-		
		12/17/20	2576715354		Auto Parts	179.94		
		12/18/20	2576715685		Auto Parts	5.99		
		12/21/20	2576717208		Auto Parts	38.99		
			2576717877		MSB Supplies	29.57		
			2576726307		Auto Parts	11.98		
			2576726740		Auto Parts	5.99	570.37	062768
BAXTER & WOODMAN, INC.	B000120	12/18/20			Flow Basin Rehab	371.24		
		12/18/20			Outfall Sewer Sag Repair	3141.25		
		12/18/20			WAS Thickener	468.09		
		12/18/20			Misc Engineering Services	140.00		
		12/18/20			Stanley Ave Sewer Rehab	162.48		
		12/18/20		01-14.B902	Sherman St Sewer Replace	181.25	4464.31	102795
BAXTER & WOODMAN - BOLLER	B000122	01/13/21	5	01-12.B513	CHP 1 Replacement	133255.98	133255.98	102796
CALLONE	C000073	01/15/21	367320	01-11.B112	Admin Phone Service	618.66		
		01/15/21	367320	01-12.B112	WWTC Phone Service	383.98	1002.64	102797
CAREERSAFE	C000087	12/09/20	CS-394206	01-11.B113	OSHA Training	175.00	175.00	062802
CERTIFIED BALANCE & SCALE CORF	C000130	01/06/21	24529	01-13.B115	Lab Equip Calibration	1492.00	1492.00	062769



01 GENERAL FUND STANDARD CHECK REGISTER FOR 01/19/21

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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
CHEM-WISE ECOLOGICAL	C000190	08/10/20	722820	01-11.B118	Pest Control	95.00		
		08/10/20	722820	01-12.B812	Pest Control	190.00	285.00	102798
CINTAS #344	C000300	12/11/20	4069903685	01-12.B117	WWTC Uniform Rentals	61.97		
		12/11/20	4069903685	01-14.B117	SS Uniform Rentals	11.65		
		12/18/20	4070591431	01-12.B117	WWTC Uniform Rentals	61.97		
		12/18/20	4070591431	01-14.B117	SS Uniform Rentals	11.65		
		12/24/20	4071250401	01-12.B117	WWTC Uniform Rental	61.97		
		12/24/20	4071250401	01-14.B117	SS Uniform Rental	11.65		
		12/31/20	4071871671	01-12.B117	WWTC Uniform Rental	61.97		
		12/31/20	4071871671	01-14.B117	SS Uniform Rental	11.65		
		01/08/21	4072488327	01-12.B117	WWTC Uniform Rentals	61.97		
		01/08/21	4072488327	01-14.B117	SS Uniform Rental	11.65	368.10	062770
CINTAS FIRST AID & SAFETY	C000320	12/17/20	5045689388	01-11.B116	Admin First Aid Supplies	66.15		
		12/17/20	5045689388	01-12.B113	WWTC First Aid Supplies	283.66	349.81	062771
CITY INSIGHT	C000325	01/04/21	1059	01-11.B115	Billing Portal Developmnt	2450.00	2450.00	102799
COLE-PARMER	C000345	12/18/20	2472872	01-13.B114	Lab Chemicals	437.87	437.87	062772
COMCAST	C000373	01/03/21	201200550568	01-11.B112	Internet Service	293.40	293.40	062773
COMED	C000380	12/23/20	6770572011	01-00.2005	BSSRAP Yard Elec	163.71		
		12/23/20	6770572011	01-12.B100	Walnut House Elec	76.14		
		12/23/20	8762083052	01-12.B100	Big Top Elec	154.87	394.72	062774
CONCENTRIC INTEGRATION, LLC	C000410	12/18/20	0218904	01-12.B508	WAS Thickener SCADA	1680.00		
		12/18/20	0218906	01-11.B115	Admin Services	593.75		
		12/18/20	0218906	01-12.B503	Travel Brdg Controls Serv	5882.88		
		12/18/20	0218906	01-12.B508	Hach Wims Service	304.00		
		12/18/20	0218906	01-12.B513	Hach Wims & SCADA	337.91		
		12/18/20	0218906	01-15.B529	Hobson LS Communications	1175.64	9974.18	102800
G COOPER OIL COMPANY INC.	C000470	12/09/20	33523	01-12.B116	Oil Delivery	488.81	488.81	062775
CORE & MAIN LP	C000485	12/15/20	N473312	01-15.B527	Venard Force Main Parts	325.04	325.04	062776
CORRPRO COMPANIES, INC.	C000555	12/31/20	632004	01-15.B529	Hobson LS Testing	3300.00	3300.00	102801
COVERALL NORTH AMERICA, INC	C000557	01/01/21	1010671668	01-12.B812	MSB Cleaning Service	304.00		
		01/01/21	1010671668	01-13.B116	Lab Cleaning Service	157.00		
		01/01/21	1010671670	01-11.B118	Admin Cleaning Service	429.00	890.00	102802
CURTIS MARTIN GROUP, INC.	C000660	12/14/20	7834	01-11.B115	City Insight Meet/Prg Fix	267.50		
		01/04/21	7855	01-11.B115	PR Report Updates	240.00		
		01/12/21	7861	01-11.B115	City Insight Meeting	218.75	726.25	102803
DELTA SONIC	D000220	11/27/20	10203148	01-12.C225	WWTC Vehicle Wash	8.33		
		11/27/20	10203148	01-14.C225	SS Vehicle Wash	8.33		
		01/01/21	10221955	01-14.C225	SS Vehicle Washes	41.65	58.31	062777
DELUXE	D000221	10/30/20	02048300999	01-11.B120	Deposit Slips	107.37	107.37	062803
VILLAGE OF DOWNERS GROVE	D000480	11/16/20	163337	01-11.B121	November Meter Reads	419.36		
		12/15/20	166239	01-11.B121	December Meter Readings	419.36		
		12/30/20	C2027270001	01-12.B102	WWTC Water Use	881.54		
		12/30/20	C2027271001	01-11.B102	Admin Water Use	37.19		
		01/06/21	UN-000019	01-12.B104	Underground Tank Storage	200.00	1957.45	062778
DRYDON EQUIPMENT INC.	D000540	01/07/21			Spare Hypo Feed Pump	11602.69	11602.69	102804



01 GENERAL FUND STANDARD CHECK REGISTER FOR 01/19/21

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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK N
FASTENAL COMPANY	F000060	12/17/20	ILWES81633	01-12.B512	Maint Repair Supplies	15.92		
		12/29/20	ILWES81813	01-12.8507	Blower Bldg Nuts	18.00	33.92	102805
FEDEX KINKO'S	F000075	01/01/21	8300049474	01-13.B116	Lab Supplies	20.76	20.76	062780
FIRST ADVANTAGE	F000130	12/31/20	2501832012	01-12.B117	Drug Screen	77.17		
		12/31/20	2501832012	01-14.B117	Drug Screen	68.06	145.23	102806
THOMAS J GARRITANO	G000185	01/08/21	Reimburse	01-14.B128	OH Sewer Reimburse	3000.00	3000.00	062804
GASVODA & ASSOCIATES INC.	G000200	12/03/20	INV2002535	01-13.B122	Lab Equip Supplies	2376.00	2376.00	062781
REVERE ELECTRIC	G000410	11/01/20	S4262946.002	01-12.B512	Electrical Tool	20.00		
		12/18/20	S4291929.001	01-12.8503	Exc Brdg Contrl Panel Rpl	668.82		
		12/18/20	S4291929.002	01-12.8503	Exc Brdg Contrl Panel Rpl	129.99	818.81	062782
N. W. GRAINGER, INC.	G000520	12/08/20	9739725027	01-12.B113	See Sheet	19.78		
		12/08/20	9740353850	01-12.B510	See Sheet	57.18		
		12/08/20	9740631032	01-12.B116	See Sheet	10.96		
		12/10/20	9743132301	01-12.B512	See Sheet	12.66		
		12/14/20	9746031625	01-12.B510	See Sheet	31.17		
		12/15/20	9747382522	01-12.B812	See Sheet	440.00		
		12/16/20	974929778	01-12.B116	See Sheet	48.60		
		12/16/20	9749707445	01-12.B812	See Sheet	264.70		
		12/17/20	9749944063	01-12.B802	See Sheet	373.28		
		12/18/20	975121710	01-11.B113	See Sheet	153.47		
		12/21/20	9752864182	01-13.B114	See Sheet	461.97		
		12/21/20	9752864182	01-13.B116	See Sheet	258.65		
		12/21/20	9752998279	01-12.B503	See Sheet	52.41		
		12/21/20	9753533471	01-12.B512	See Sheet	7.02		
		12/22/20	9754131150	01-13.B116	See Sheet	92.36		
		01/05/21	9762035245	01-12.B116	See Sheet	29.31		
		01/07/21	9764436094	01-12.B116	See Sheet	21.23		
		01/07/21	9765228284	01-12.B510	See Sheet	66.37		
		01/11/21	9767660450	01-12.B812	See Sheet	340.00-		
		01/11/21	9767660468	01-12.B812	See Sheet	170.00-	1891.12	102807
JESSICA GWOZDZ	G000630		Reimburse	01-11.B117	Admin Gaiter Masks	35.52		
			Reimburse	01-12.B117	WWTC Gaiter Masks	112.35		
		01/14/21	Reimburse	01-13.B117	Lab Gaiter Masks	5.92		
			Reimburse		SS Gaiter Masks	23.68	177.47	102808
HML, INC.	н000035	12/11/20	81503	01-13.B123	Biosolid Pathogen Testing	1000.00	1000.00	062783
IACH COMPANY	н000040	12/10/20	12240157	01-13.B114	Lab Chemicals	505.24	505.24	102809
HARBOR FREIGHT TOOLS	н000060	12/16/20		01-12.B512	Impact Gun	159.99	159.99	062784
LAN HARTIGAN	н000144		Reimburse		Outerwear 2021	236.90	236.90	102810
IOME DEPOT	н000400	01/12/21		01-12.B508		17.43		
		12/10/20		01-12.B116		23.92		
		01/08/21		01-12.B810		126.67		
		12/08/20		01-11.B115		429.00		
		01/06/21		01-12.B512		30.12		
		12/15/20		01-15.B116		60.55	687.69	06278
MPACT NETWORKING INC.	1000400	12/13/20		01-11.B116		152.96		55270
	T000400	±⇔/±//∠U	T>0 T000	~	- ~ ~ ~ ~			

01 GENERAL FUND STANDARD CHECK REGISTER FOR 01/19/21

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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
INFOSEND, INC.	1000415	12/31/20	183694	01-11.B121	Customer Bill Mailings	3831.42	3831.42	102812
ISTHA	1000470	12/31/20	G12500005976	01-11.C225	Admin Tolls	23.85		
		12/31/20	G12500005976	01-12.C225	WWTC Vehicle Tolls	142.55		
		12/31/20	G12500005976	01-13.C225	Lab Vehicle Tolls	22.50		
		12/31/20	G12500005976	01-14.C225	SS Vehicle Tolls	55.30		
		12/18/20	VN5302240226	01-14.C225	Missed Tolls	16.20	260.40	062805
INSITUFORM TECHNOLOGIES	1000650	01/06/21	631298	01-14.B903	Stanely Ave Sewer Rehab	15316.94	15316.94	102813
JULIE, INC.	J000250	01/06/21	2021-0434	01-14.B127	JULIE Dues	3926.58	3926.58	062786
KANSAS CITY LIFE INSURANCE CO	K000045	01/06/21	14887	01-17.E455	Life Insurance	379.50	379.50	102814
KOMLINE-SANDERSON	К000230	12/08/20	42048444	01-12.B509	Belt Press Parts	976.46		
		12/10/20	42048458	01-12.B509	Belt Press Parts	287.84	1264.30	102815
MAGNETROL INTERNATIONAL INC.	M000101	12/15/20	0893455	01-12.B510	Munters Unit Part	2781.25	2781.25	062787
MCMASTER-CARR SUPPLY COMPANY	M000360	01/08/21	51243871	01-12.B508	WAS Thickener Parts	76.37	76.37	102816
SCOTT J MELROSE	M000422	01/08/21	Reimburse	01-14.B128	OH Sewer Reimbursement	2650.00	2650.00	062806
MICRO CENTER	M000550	12/28/20	5266893	01-12.8508	UPS for Control Panel	89.99	89.99	102817
MIDAMERICAN ENERGY SERVICES, I	LM000554	12/18/20	259824	01-15.B100	Northwest LS Elec	1630.54		
		12/21/20	259825	01-15.B100	Liberty Park LS Elec	735.47		
		12/18/20	259827	01-15.B100	Butterfield LS Elec	273.74		
		12/18/20	259828	01-15.B100	Earlston LS Elec	378.53		
		12/29/20	259829	01-15.B100	Venard LS Elec	695.81		
		12/21/20	259830	01-15.B100	Centex LS Elec	218.23		
		12/21/20	259831	01-15.B100	College LS Elec	696.40		
		12/17/20	462517	01-15.B100	Wroble LS Elec	1064.76		
		12/17/20	462518	01-15.B100	Hobson LS Elec	2882.20	8575.68	062788
MOTION INDUSTRIES, INC.	M000750	12/14/20	IL10-699936	01-12.B506	Prim Tank 7 Part	770.59	770.59	102818
NCPERS GROUP LIFE INSURANCE	N000010	12/13/20	3266012021	01-00.2017	Voluntary Life Insurance	288.00	288.00	102819
NALCO WATER PRETREATMENT	N000030	12/22/20	2498243	01-13.B114	Lab Chemicals	301.61		
		12/23/20	2498244	01-13.B114	Lab Chemicals	151.47	453.08	102820
NAPA AUTO PARTS	N000040	01/08/21	4343-698513	01-12.C225	Auto Parts	18.52	18.52	062789
NAPCO STEEL, INC.	N000050	01/11/21	444882	01-12.B811	Filter Bldg Alum Repairs	322.50	322.50	102821
NEUCO, INC.	N000260	12/17/20	4765153	01-12.B510	Heat Exchg 1 Pump Part	273.00		
		12/18/20	4767846	01-12.B510	Heat Exchng 1 Part	822.80		
		01/04/21	4797698	01-12.B810	Dig 1&2 Heat Exch Pump	707.00		
		01/05/21	4800886	01-12.B810	Dig 1&2 Cntrl Bldg Heat	416.50	2219.30	102822
NICOR GAS	N000330	12/15/20	2833584	01-12.B101	Walnut House Gas	150.90		
		12/15/20	3892638	01-11.B101	Admin Gas	140.21		
		12/17/20	4440979	01-12.B101	Plant Gas	280.85		
		12/17/20	4664113	01-12.B101	Plant 2 Gas	136.67		
		12/15/20	4782107	01-12.B101	Chem Feed Gas	161.03	869.66	062790
NISSEN ENERGY INC	N000350	12/22/20			CHP 2 Parts	1187.35	1187.35	102823
NORTHERN FILTER MEDIA, INC.	N000550	12/11/20			Sandfilter Media Sand	1368.80		
		12/11/20			Sandfilter Media Sand	739.20	2108.00	062791
NOVAK BUSINESS FORMS, INC.	N000700	12/22/20			Disbursement Check Order	289.96		
		12/22/20			User Refund Check Order	289.94	579.90	062792
OFFICE DEPOT	0000100		16900836260		1099 Forms	43.58	43.58	062792
ACI PAYMENTS INC.	0000300		1000038545	01-11.B110		29.30	29.30	102824
net minimuto me.	5000500	12,10,20	1000000010	31 11.DIIO		20.00	22.50	102021

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JAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK 1
PACE ANALYTICAL	P000010	12/16/20	2040094393	01-13.B123	Dec NPDES Testing	115.00	115.00	10282
PETTY CASH	P000350	01/14/21	Cash Box	01-11.B115	Admin Door Button	9.14		
		01/14/21	Cash Box	01-11.B119	Postage Due	4.27		
		01/14/21	Cash Box	01-12.B116	Screen Protector Cell Phn	16.88	30.29	06279
POLYDYNE INC.	P000395	12/08/20	1501927	01-12.B402	Belt Press Polymer	1071.27		
		12/15/20	1503590	01-12.B402	Belt Press Polymer	2142.54		
		01/07/21	1509399	01-12.B402	Belt Press Polymer	2142.54	5356.35	10282
PORTABLE JOHN, INC	P000410	01/06/21	251035	01-12.B812	Port A Potty for Plant	177.77	177.77	10282
PRINCIPAL LIFE INSURANCE CO	P000650	12/18/20	1093099	01-17.E455	Dental Insurance	2463.68	2463.68	10282
QUADIENT LEASING	Q000250	12/24/20	N8595997	01-11.B115	Postage Meter Lease	432.81	432.81	102829
RR DONNELLEY	R000020	12/15/20	295399053	01-11.B116	W-2 Forms	126.21	126.21	102830
AINBOW ELECTRIC CO.	R000070	12/15/20	MRINV10199	01-12.B503	Exc Brdg 1 Drive Mtr Repr	2972.81		
		12/29/20	MRINV10237	01-12.B503	Exc Brdg 1 Drive Mtr Repr	3480.81	6453.62	102831
REGIONAL TRUCK EQUIPMENT CO.	R000166	12/17/20	224192	01-12.B501	244 JD Tractor Parts	251.16	251.16	062795
RED WING SHOE STORE	R000180	12/14/20	4599299142	01-14.B117	AL Boots	118.99	118.99	102832
RENTALMAX ADMINISTRATION	R000250	12/17/20	456050-5	01-12.B116	Forklift Fuel	27.49	27.49	06280
JOSE ROCHE	R000367	01/06/21	Reimburse	01-14.B117	Outerwear 2021	234.26	234.26	10283
SAFETY-KLEEN SYSTEMS, INC.	S000050	01/04/21	84923150	01-12.B116	MSB Supplies	294.12	294.12	10283
SEAWAY SUPPLY CO.	S000200	12/17/20	161900-01	01-12.B512	MSB Supplies	29.15		
		12/16/20	161900-01-2	01-12.B512	MSB Supplies	58.92		
		12/16/20	163239	01-12.B512	MSB Supplies	398.83		
		12/15/20	164830	01-12.B116	MSB Supplies	132.00		
		12/18/20	164962	01-12.B116	MSB Supplies	159.74		
		01/07/21	165417	01-12.B116	MSB Supplies	107.96		
		01/08/21	165468	01-12.B116	MSB Supplies	107.40	994.00	10283
STAPLES INC.	S000640	11/13/20	3463247882	01-13.B116	Lab Supplies	66.00		
		12/07/20	3466219223	01-11.B116	Hand Sanitizer Dispensers	232.98		
		12/07/20	3466219223	01-12.B116	Hand Sanitizer Dispensers	499.91		
		12/03/20	3466219228	01-12.B116	Ops Supplies	30.98		
		12/07/20	3466219229	01-11.B116	Admin Supplies	58.05		
		12/21/20	3466219234	01-11.B116	Admin Supplies	78.24		
		12/09/20	7319904323		Admin Calendars	30.25		
		12/09/20	7319904323		WWTC Calendars	311.85		
			7319904323		Lab Calendars	84.01		
			7319904323		SS Calendars	39.54	1431.81	10283
TEPHENS PLUMBING AND	S000680	12/06/20		01-14.B910		361.95		
		12/22/20		01-14.B910	-	405.45	767.40	06279
STEVENSON CRANE SERVICE, INC.	S000720	01/06/21			Gas Cleaning Media Replac	1040.00	1040.00	10283
CERRACE SUPPLY COMPANY	T000250		01018697		Cylinder Rentals	56.22	1010100	10200
	1000200		70488224		Nitrogen Cylinder	129.58		
			70489035		Nitrogen Cylinder	21.00	206.80	10283
JSABLUEBOOK	U000150	12/09/20			Orion Star pH Meter	1036.10	200.00	10203
A A A A A A A A A A A A A A A A A A A	0000100	12/09/20			Lab Chemicals	1069.31		
		12/28/20			Sludge Judge/Sampler	129.47 113.69	2348.57	06279
		12/29/20	40/090		Orion Star Armor pH Meter	113.69	2348 b/	062/9

01 GENERAL FUND STANDARD CHECK REGISTER FOR 01/19/21

====== VENDOR ======	NUMBER	===== IN DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
VWR INTERNATIONAL INC.	V000030	12/21/20	88032666275	01-13.B114	Lab Chemicals	334.98		
		12/28/20	8803294921	01-13.B116	Lab Supplies	264.93	599.91	062798
WAGNER COMMUNICATIONS, INC	W000070	01/01/21	210100331	01-11.B112	Answering Service	454.13	454.13	102840
WESTFAX	W000350	01/01/21	1366728	01-11.B112	EFax Service	8.99	8.99	102841
VILLAGE OF WESTMONT	W000450	01/08/21	716802	01-11.B121	Meter Readings	370.01	370.01	062799
MICHAEL G. PHILIPP, P.C.	W000551	12/08/20	1160	01-11.B124	Legal Services	2175.00	2175.00	062800
					Total Payments:	324193.39	324193.39	
					ACH Payments Total:	276760.39	.00	
				Cł	neck Payments Total:	47433.00	324193.39	

01 GENERAL FUND MANUAL CHECK REGISTER FOR 01/19/21

======== VENDOR ======			VOICE ======					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
AT&T	A000075	01/11/21	26768753198	01-11.B112	DSL Internet	62.82	62.82	102785
CHASE	в000050	12/21/20	PR 12/12/20	01-00.2000	Federal Tax	8488.51		
		12/21/20	PR 12/12/20	01-00.2002	Empl Soc Sec Tax	6082.31		
		12/21/20	PR 12/12/20	01-17.E461	Emplr Soc Sec Tax	6082.32	20653.14	102770
CHASE	в000050	12/18/20	SPR 12/15/20	01-00.2000	Federal Tax	3118.21		
		12/18/20	SPR 12/15/20	01-00.2002	Empl Soc Sec Tax	1981.27		
		12/18/20	SPR 12/15/20	01-17.E461	Emplr Soc Sec Tax	1981.26	7080.74	102771
CHASE	B000050	01/05/21	PR 12/26/20	01-00.2000	Federal Tax	8263.48		
		01/05/21	PR 12/26/20	01-00.2002	Empl Soc Sec Tax	5983.54		
		01/05/21	PR 12/26/20	01-17.E461	Emplr Soc Sec Tax	5983.49	20230.51	102780
CHASE	B000050	01/06/21	SPR 12/31/20	01-00.2000	Federal Tax	3115.95		
		01/06/21	SPR 12/31/20	01-00.2002	Empl Soc Sec Tax	2365.99		
		01/06/21	SPR 12/31/20	01-17.E461	Emplr Soc Sec Tax	2366.00	7847.94	102787
CALLONE	C000073	01/08/21	356599	01-11.B112	Admin Phone Service	600.31		
		01/08/21	356599	01-12.B112	WWTC Phone Service	355.91	956.22	102784
CLEANING SERVICES GLOBAL, LLC	C000326	12/17/20	0017642020	01-11.B113	PurTabs for Cleaning	168.64		
		12/17/20	0017642020	01-12.B113	PurTabs for Cleaning	327.36	496.00	102768
D.G. SANIT DIST #XXXXXXXX1117	D000400	01/20/21	Reimburse	01-00.1001	PR Acct Reimburse	144702.27	144702.27	102790
D.G. SANIT DIST #XXXXXXXXX1114	D000420	01/20/21	Reimburse	01-05.3001	User Refund Acct	2342.26	2342.26	102792
D.G. SANIT DIST #XXXXXXXXX1112	D000440	01/20/21	Reimburse	01-14.B910	BSSRAP Reimburse	382.65	382.65	102791
DUPAGE CREDIT UNION	D000650	12/18/20	PR 12/12/20	01-00.2013	Empl Authorized W/Holding	2333.00	2333.00	102769
DUPAGE CREDIT UNION	D000650	01/01/21	PR 12/26/20	01-00.2013	Empl Authorized W/Holding	2333.00	2333.00	102779
HEALTH CARE SERVICE CORP.	H000190	12/28/20	165585	01-17.E455	Health Insurance	41582.04	41582.04	102776
ILLINOIS DEPARTMENT OF REVENUE	1000240	12/21/20	PR 12/12/20	01-00.2001	State Tax	3694.40	3694.40	102772
ILLINOIS DEPARTMENT OF REVENUE	1000240	12/18/20	SPR 12/15/20	01-00.2001	State Tax	1417.33	1417.33	102773
ILLINOIS DEPARTMENT OF REVENUE	1000240	01/05/21	PR 12/26/20	01-00.2001	State Tax	3634.31	3634.31	102781
ILLINOIS DEPARTMENT OF REVENUE	1000240	01/06/21	SPR 12/31/20	01-00.2001	State Tax	1422.10	1422.10	102788
ILLINOIS MUNICIPAL	1000300	01/07/21	Pension	01-00.2003	Empl Pension Deposit	9354.48		
		01/07/21	Pension	01-00.2014	Empl Vol Pension Deposit	8102.25		
		01/07/21	Pension	01-17.E460	Emplr Pension Deposit	21972.56	39429.29	102778
INVOICE CLOUD	1000750	01/10/21	607-2020-12	01-11.B121	Biller Portal Fees	388.80	388.80	102786
MIDAMERICA ADMIN HRA ACCOUNT	M000557	12/23/20	HRA Funding	01-17.E455	HRA Acct Funding	500.00	500.00	102777
TRANSAMERICA RETIREMENT	т000415	12/18/20	PR 12/12/20	01-00.2026	Def Comp IPPFA	273.00		
		12/18/20	PR 12/12/20	01-00.2027	Def Comp Roth IPPFA	40.00		
			PR 12/12/20	01-00.2028	Def Comp Loan Repay IPPFA	162.27	475.27	102774
TRANSAMERICA RETIREMENT	т000415	12/17/20	SPR 12/15/20	01-00.2026	Def Comp IPPFA	213.27		
		12/17/20	SPR 12/15/20	01-00.2028	Def Comp Loan Repay IPPFA	77.06	290.33	102775
TRANSAMERICA RETIREMENT	т000415		R 12/26/20		Def Comp IPPFA	267.72		
			R 12/26/20		Def Comp Roth IPPFA	40.00		
			R 12/26/20	01-00.2028		162.27	469.99	102782
TRANSAMERICA RETIREMENT	T000415		SPR 12/31/20	01-00.2026		213.33		
			SPR 12/31/20		Def Comp Loan Repay IPPFA	77.06	290.39	102789
Zoom Inc.	Z000200		P64334877		Subscription	40.00	40.00	102783
2004 1110.	2000200	12/20/20	101331077	01 11.0113	-		=======	102705
					Total Payments:	303054.80	303054.80	
					ACH Payments Total:	303054.80	.00	
				Ch	eck Payments Total:	.00	303054.80	

Downers Grove Sanitary District 02 IMPROVEMENT FUND STANDARD CHECK REGISTER FOR 01/19/21

Date: 01/15/21 Time: 12:27pm

NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK N
BAXTER & WOODMAN, INC.	B000120	12/18/20	0218903	02-74.0502	Centex LS Replacement	1090.00	1090.00	102842
					Total Payments:	1090.00	1090.00	
					ACH Payments Total:	1090.00	.00	
				Ch	eck Payments Total:	.00	1090.00	

DATE

REVIEWED

TRUSTEE APPROVAL

PRESIDENT

CLERK

ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 01/19/21

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-00.1000	CASH		627248.19-
01-00.1001	CASH - PAYROLL ACCOUNT	144702.27	
01-00.2000	FEDERAL TAX WITHHELD	22986.15	
01-00.2001	STATE TAX WITHHELD	10168.14	
01-00.2002	SOCIAL SECURITY WITHHELD	16413.11	
01-00.2003	IMRF WITHHELD	9354.48	
01-00.2005	CLEARING	163.71	
01-00.2013	CREDIT UNION WITHHELD	4666.00	
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	8102.25	
01-00.2017	VOLUNTARY GROUP LIFE	288.00	
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	967.32	
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	2342.26	
01-11.B101	NATURAL GAS	140.21	
01-11.B102	WATER, GARBAGE AND OTHER UTILITIES	37.19	
01-11.B110	BANK CHARGES	29.30	
01-11.B112	COMMUNICATION	2038.31	
01-11.B113	EMERGENCY/SAFETY EQUIPMENT	497.11	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	5350.96	
01-11.B116	SUPPLIES	827.75	
01-11.B117	EMPLOYEE/DUTY COSTS	35.52	
01-11.B118	BUILDING AND GROUNDS	524.00	
01-11.B119	POSTAGE	4.27	
01-11.B120	PRINTING/PHOTOGRAPHY	687.27	
01-11.B121	USER BILLING MATERIALS	5428.95	
01-11.B124	CONTRACT SERVICES	2315.00	
01-11.C225	OPERATION/REPAIR	23.85	
01-12.B100	ELECTRICITY	231.01	
01-12.B101	NATURAL GAS	729.45	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	2086.29	
01-12.B104	FUEL - GENERATORS	200.00	
01-12.B112	COMMUNICATION	739.89	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	630.80	
01-12.B116	SUPPLIES	2846.36	
01-12.B117	EMPLOYEE/DUTY COSTS	1094.21	
01-12.B402	CHEMICALS - SLUDGE DEWATERING	5356.35	
01-12.8404	CHEMICALS - OTHER	1190.58	
01-12.8501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	493.14	
01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	11602.69	
01-12.8503	EQPT/EQPT REPAIR - EXCESS FLOW	13187.72	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	770.59	
01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	18.00	
01-12.B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	2635.88	
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	1264.30	
01-12.8510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	4031.77	
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ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 01/19/21

G/L NUMBER	COM LOUR PROPERTY		(DED.T.
G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.B511	EQPT/EQPT REPAIR - TERTIARY TREATMENT	2108.00	
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	732.61	
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	135243.24	
01-12.B802	BLDG AND GROUNDS - DISINFECTION	373.28	
01-12.B810	BLDG AND GROUNDS - SLUDGE DIGESTION	1250.17	
01-12.8811	BLDG AND GROUNDS - TERTIARY TREATMENT	322.50	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	866.47	
01-12.C225	OPERATION/REPAIR	462.23	
01-13.B114	CHEMICALS	3262.45	
01-13.B115	EQUIPMENT/EQUIPMENT REPAIR	2641.79	
01-13.B116	SUPPLIES	943.71	
01-13.B117	EMPLOYEE/DUTY COSTS	5.92	
01-13.B122	MONITORING EQUIPMENT	2376.00	
01-13.B123	OUTSIDE LAB SERVICES	1115.00	
01-13.C225	OPERATION/REPAIR	22.50	
01-14.B113	EMERGENCY/SAFETY EQUIPMENT	833.03	
01-14.B116	SUPPLIES	113.59	
01-14.B117	EMPLOYEE/DUTY COSTS	740.14	
01-14.B127	JULIE SYSTEM	3926.58	
01-14.B128	OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM	5650.00	
01-14.8901	SEWER SYSTEM REPAIRS - I/I PROGRAM	371.24	
01-14.8902	SEWER SYSTEM REPAIRS - REPLACEMENT	3322.50	
01-14.8903	SEWER SYSTEM REPAIRS - REHABILITATION	15479.42	
01-14.8910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	59325.79	
01-14.C225	OPERATION/REPAIR	127.47	
01-15.B100	ELECTRICITY	8575.68	
01-15.B112	COMMUNICATION	55.86	
01-15.B116	SUPPLIES	60.55	
01-15.B527	EQPT/EQPT REPAIR - VENARD	946.04	
01-15.B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	4475.64	
01-17.E455	EMPLOYEE GROUP HEALTH	45372.09	
01-17.E460	IMRF	21972.56	
01-17.E461	SOCIAL SECURITY	16413.07	
02-00.1000	CASH		1090.00-
02-74.0502	DESIGN ENGINEERING/ARCHITECTURAL	1090.00	
		628338.19	628338.19-

Vendor	Invoice Date	Amount	Coding	Coding Description	Purchase Location	Emp.	Procurement	Project Name (If applicable)	Item Description
Grainger	12/07/20	\$19.78	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	СР		Safety Signs	(2) Sidewalk Closed Signs
Grainger	12/08/20	\$57.18	01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	Delivered	ST		Heat Exchanger	V-Belt, V-Belt Cogged
Grainger	12/08/20	\$10.96	01-12.B116	WWTC SUPPLIES	Delivered	MM		Supplies	Cleaner, 1 gallon
Grainger	12/10/20	\$12.66	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	RF		Electrical Repair Supplies	(200) Cable Ties
Grainger	12/14/20	\$31.17	01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	Delivered	ST		Heat Exchanger Draft Induction Fans	Fan Blower Belts
Grainger	12/15/20	\$440.00	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	ST		WWTC Indoor Lighting	(80) 48" LED Light Bulbs
Grainger	12/16/20	\$48.60	01-12.B116		Delivered	MM			Replacement miniature lightbulbs for MCC's
Grainger	12/16/20	\$264.70	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	Delivered	ST		WWTC Indoor Lighting	LED Light Bulbs
Grainger	12/17/20	\$373.28	01-12.B802	BLDG & GROUNDS - DISINFECTION	Delivered	RF		Hypo Building Lighting	(24) CFL Lamps & (8) Ballasts
Grainger	12/18/20	\$153.47	01-11.B113	ADMIN SAFETY	Delivered	JG		Safety	Face Shields
Grainger	12/21/20	\$258.65	01-13.B116		Delivered	DRB	shopped	LAB supplies	micro whirlpak bags, sterile scoops
Grainger	12/21/20	\$461.97	01-13.B114		Delivered	DRB	shopped	LAB supplies	ph buffer 4 and 7, nitrate ISA
Grainger	12/21/20	\$52.41	01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	Delivered	AC		Excess Bridge Ladder Extensions	Drill Bits & Taps
Grainger	12/21/20	\$7.02	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Tool Replacement (Adam)	1/2" Drive Impact Socket
Grainger	12/22/20	\$92.36	01-13.B116	LAB SUPPLIES	Delivered	DRB		Lab Supplies	Sterile Pipettes
Grainger	01/05/21	\$29.31	01-12.B116	WWTC SUPPLIES	Delivered	MM		Ops Supplies	Sample buckets
Grainger	01/05/21	\$21.23	01-12.B116	WWTC SUPPLIES	Delivered	MM		Ops Supplies	File folders
Grainger	01/07/21	\$66.37	01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	Delivered	MR		Sludge Recirculation Pump 5	Time Delay Control Relay
Grainger	01/11/21	-\$340.00	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	JPB		Lighting	ComEd Incentive for lighting upgrades
Grainger	01/11/21	-\$170.00	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	JPB		Lighting	ComEd Incentive for lighting upgrades
Home Depot	01/12/21	\$17.43	01-12.B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	In-Store	СР		WAS Thickener Polymer Feed System	Hose & Quick Connect Fittings
Home Depot	12/10/20	\$23.92	01-12.B116	WWTC SUPPLIES	In-Store	BS		Supplies	Lithium Batteries for Welding Helmet
Home Depot	01/08/21	\$126.67	01-12.B810	BLDG & GROUNDS - SLUDGE DIGESTION	In-Store	СР		New Water Line to Dig. 3 Gas Skid Room	Copper Plumbing Supplies
Home Depot	12/08/21	\$429.00	01-11.B115	ADMIN EQUIPMENT/EQUIPMENT REPAIR	Delivered	CS		Safety	Electrostatic Mister
Home Depot	01/06/21	\$30.12	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	NW		Tunnel Rehab	Eyebolt Nut, Spring Link
Home Depot	12/15/20	\$60.55	01-15.B116	LIFT STATION SUPPLIES	In-Store	NW		Lift Station Supplies	Duct Tape, Sealant, Vent Cap



	1/14/2021 1/20/2021 Reimburse	Petty Cash Checking Reimbursement			D-440
Date 12/22/20	Purchased From Joseph E Davy	Description BSSRAP Rodding Refund	Code 14.B910	Amount 382.65	Ck No. 3693
Expense b 14.B910	y code 382.65	Total Receipts/Reir	nbursement	382.65	

382.65

Date:	1/14/2021
Due Date:	1/19/2021
Invoice #: Cash Box	

Date	Purchased From	Reimbursed To	Description	Code	Amount
1/14/2021	Amazon	Carly Shaw	Admin Door Push Button	11.B115	9.14
1/14/2021	Walmart	Chuck Preen	Screen Protector for Phone	12.B116	16.88
1/14/2021	USPS	Megan			
1/14/2021	0313	MacQuilkin	Postage Due	11.B119	1.86
11/17/2021		Megan	Postage Due	11.B119	2.41
11/1//2021	0515	MacQuilkin	rustage Due		2.71
			Tota	l Receipts	30.29

Expense by code

11.B115	9.14
11.B119	4.27
12.B116	16.88
	30.29

DOWNERS GROVE SANITARY DISTRICT

2020 WWTC PERFORMANCE REPORT

DOWNERS GROVE SANITARY DISTRICT 2020 WWTC PERFORMANCE REPORT

TO: Board of Trustees

FROM: Amy Underwood General Manager

DATE: January 15, 2021

SUMMARY OF 2020 OPERATIONS

Total Flow to WWTC:	4,043,610,000 gallons
Average Daily Flow:	11.08 MGD

Total Complete Treatment Flow:3,865,840,000 gallonsAverage Daily Complete Treatment Flow:10.59 MGD

District Billed Flow: 1,831,203,973 gallons Ratio of Billed Flow to Total WWTC Flow: 45.3% Ratio of Billed Flow to Total Complete Treatment Flow: 47.4%

Precipitation Total for 2020: 39.63"

Electrical Consumption: 1,519,580 KW Hrs. Average Daily Electric Usage: 4,163 KW Hrs.

Complete Treatment Flow Characteristics - Average Daily Values

Influent Concentration	ns:	BOD TSS NH3-N	213 mg/L 188 mg/L 16.4 mg/L
Influent Loadings:	BOD TSS NH3-N	1	16,854 lbs. /day 14,654 lbs. /day 1,319 lbs. /day
Effluent Concentratio	ns:	CBOD TSS NH3-N	1.3 mg/L 0.8 mg/L 0.6 mg/L
Effluent Loadings:	CBOD TSS NH3-N		115 lbs. /day 86 lbs. /day 66 lbs. /day

Biosolids Production, after digestion:

13,061,000 gallons 2,166,043 lbs. dry solids 1,083 dry tons

WASTEWATER TREATMENT CENTER FLOWS

WWTC FLOW (TABLES 1, 2, 3 & 4)

As shown in Table 1, the total flow to the treatment center in 2020 was 4,043,610,000 gallons, with 95.6% of this total, or 3,865,840,000 gallons, receiving tertiary treatment. The total flow for the year equates to an average daily flow of 11.08 MGD as compared to an average tertiary flow of 10.59 MGD. Excess flow treatment was in operation for 245 hours during the year, or 2.8% of the time, and accounted for 177,770,000 gallons.

Table 2 compares the 2020 flows to the past 45 years:

- Annual rainfall was the 14th highest amount in the reporting period, 39.63 inches, resulting in the 19th highest historic total flow volume of 4,043.6 MG. The 45-year reporting period has an annual average of 34.31 inches of rainfall. In comparison, the past ten years has an average of 45.66 inches of annual rainfall.
- The tertiary, or complete treatment volume of 3,865.8 MG for 2020 was the 16th highest flow year at the WWTC when viewed over the 45-year period.
- The excess flow volume of 177.8 MG for 2020 was the 22nd highest total over the 45 year period.
- These numbers suggest that rainfall fell in somewhat average events compared to historic distributions and that I/I control is more effective than historic levels.

Wet weather discharges are summarized in Table 3. The discharge to St. Joseph Creek, Outfall No. 002, was in use for 242 hours in 2020, and accounted for 232 MG. The operation hours represent 2.8% of the year. The St. Joseph discharge for 2020 represented 5.7% of the total flow. St. Joseph Creek is used when the combined tertiary and excess flows exceed the capacity of the Outfall 001 pipe, rated for 30.0 MGD.

Outfall No. C01 discharge can be used when flows exceed the tertiary plant capacity and Intermediate Clarifier No. 1 is temporarily converted from a tertiary treatment unit to an excess flow treatment unit. This outfall was in use for 45 hours and accounted for 22 MG in 2020.

Outfall 003 can be used when peak flows exceed the tertiary plant capacity and Intermediate Clarifiers Nos. 2 & 3 are temporarily converted from tertiary treatment to excess flow treatment units. This outfall was in use for 9 hours and accounted for 4 MG in 2020.

As shown in Table 4, the current plant design of 11.0 MGD for tertiary treatment was exceeded on 110 days, or 30% of the days, during 2020.

WWTC CAPACITY (TABLE 5)

The Illinois EPA determines remaining capacity at a treatment facility by reviewing the past twelve months of average influent flow data at the facility. The three lowest flow months for the period plus outstanding Illinois EPA permits for new development issued to the District over the past two years determines the remaining hydraulic capacity. Table 5 indicates the remaining capacity at the WWTC during the course of the past six years. As indicated, the WWTC is currently at 68% capacity in terms of remaining hydraulic capacity. This is based on an average flow of 7.4 MGD, which is the average of the three lowest flow months during 2020. Remaining capacity, based on organic loading, is also indicated in Table 5. The WWTC organic loading is currently in the range of 79% to 119% of capacity, depending on the parameter. Organic loading can be used by IEPA as an indicator of reserve capacity if hydraulic limits are approached or operational difficulties stem from high organic loading. Elevated BOD and TSS influent loads are attributed primarily to higher than historic recycle loads experienced since 2016 when the plant started co-digestion.

TREATMENT PROVIDED (TABLES 6, 7 and 8)

The yearly average effluent results in 2020 were well below the NPDES Permit requirements. The effluent CBOD concentration averaged 1.3 mg/l, TSS was at 0.8 mg/l, and ammonia-nitrogen was 0.62 mg/l.

Over the ten year period, as indicated in Table 6, the yearly averages have ranged from 1.0 to 1.6 mg/L for CBOD, 0.5 to 1.6 mg/L for TSS, and 0.1 to 0.6 for ammonia nitrogen.

Table 7 provides the monthly process performance and removal values for 2020. A tenyear history indicating yearly process performance and removal values is presented in Table 8.

NPDES PERMIT COMPLIANCE

The WWTC operated with one permit excursion in 2020 and six reporting violations. The plant was operating at its peak capacity due to a large rainfall and flooding event in May when the TSS concentration excursion occurred at 003 Outfall. The reporting violations occurred in June when a representative sample for 002 Outfall was not obtained for BOD, ammonia, pH and fecal coliform. Since this event was the only day of discharge from 002 Outfall in June, it resulted in two violations for BOD (i.e., missing monthly average and weekly average) and two violations for pH (i.e., missing minimum and maximum).

SLUDGE QUANTITIES (TABLES 9 and 10)

Total raw sludge pumping to the digestion processes is shown in Table 9. The total of primary sludge, waste activated sludge and hauled grease waste was 21,316,402 gallons for 2020. This is 15.5% lower than in 2019. Digester supernatant (clear water decanted from the process) was slightly higher than the value of 2019 but close to the average years prior to 2016. When too much supernatant is removed, it can carry significant solids from the digesters to the head of the plant. This can increase the influent plant

loads, as well as the primary and waste activated sludge quantities, effectively recirculating digester contents through the liquid treatment process. Efforts to control supernatant volumes in 2020 remained consistent to strategies used since 2018.

Sludge production volume as well as dry tonnage for 2020 were lower than 2019, the highest recorded year. High strength waste loading is continuing to impact the amount of solids discharging from digestion. This was not as significant in 2020 as the previous four years due to a reduction in accepted hauled waste while the WWTC only has one CHP unit in operation.

In 2020, total digested sludge pumping was 13,061,000 gallons. Of the total, 83.7% or 10,932,096 gallons, was dewatered on the belt filter press. 288,600 gallons, or 2.2% of the total, were placed in the sludge lagoons seeded with reeds. The remaining 14.1% of the digested sludge in 2020, or 1,840,304 gallons, was dewatered on the drying beds. A ten year history on sludge production is included in Table 10.

A composting pilot was ongoing from July through the end of the year. Three heaps were completed this year composing 176 dry tons of dewatered sludge from the belt filter press.

BIOSOLIDS DISPOSAL (TABLE 11 & 12)

Biosolids disposal through the public distribution program for 2020 totaled 1,522 cubic yards. This was a decrease over the 2019 annual total of 1,644 cubic yards. Deliveries for 2020 accounted for 54% of the total or 820 yards. The pickup station accounted for 30% or 464 yards. District use at the plant was nominal at only 18 yards. Contractor pickup was 14% of the total or 220 yards.

Sludge dewatered on the belt filter press continues to be less dense than in past years (i.e., before receiving grease). This effectively reduces the storage time available for aging, requiring a Class B land application in order to sustain adequate aging for the bulk of biosolids production as a Class A product. While less sludge was produced in the WWTC in 2020 than in 2019, the Class B hauling and land application in 2020 was the highest ever. This is due to limited onsite storage caused by the higher sludge production in previous years.

2,030 cubic yards of material were removed in January, 2,310 cubic yards of material were removed in April, 1,050 cubic yards were removed in October and 525 cubic yards were removed in November by a hauling contractor and hauled to farm field for Class B land application in order to make space available for belt press cake storage. This represents 634 dry tons of solids.

The composted biosolids mentioned are stored at the WWTC. The District anticipated giving them away through the public distribution program in 2021.

UTILITIES (TABLES 13 and 14)

Electrical consumption from ComEd for 2020 was 320% higher than consumption in 2019. This was due to having one less CHP unit in operation in 2020 after the Tech 3 unit failed in August 2019. A new CHP unit will be started up in early 2021. The hypochlorite generator (OSEC), which was not in service in 2019, also contributed to the increase in electricity use at the WWTC in 2020. The total yearly consumption from ComEd was at 1,519,580 kW-hours, for an average daily use of 4,163 kW-hours.

Natural gas consumption for 2020 was at 791,600 cubic feet, a decrease from 2019.

City water consumption for the year was at 930,812 gallons. This is significantly higher than the previous year due to the production of hypochlorite on-site starting again in 2020.

DIGESTER GAS UTILIZATION (TABLE 15)

Total digester gas production for 2020 was at 60,068,754 cubic feet, for a daily average of 164,572 cubic feet. Gas was utilized in the CHP facility, where a total of 37,039,990 cubic feet of gas was used in 2020. Wasting of digester gas (gas flared) totaled 14,854,243 cubic feet in 2020. The digester heat exchangers used 2,033,589 cubic feet of gas. Gas was flared when the supply exceeded the demand and when needed due to equipment outages.

Total gas production was lower in 2020 as compared to 2019. This was due to less hauled grease waste being accepted as a result of having only one CHP engine in service.

CHEMICAL USAGE (TABLES 16 and 17)

Sodium hypochlorite and sodium bisulfite were utilized for the year for disinfection and dechlorination. In 2020, hypochlorite was used at 13.2 pounds per million gallons of tertiary flow, an increase compared to 2019.

The amount reported for excess flow includes the totals used to treat return activated sludge for filamentous control.

Hypochlorite used in 2020 was from delivered bulk hypochlorite as well as produced by the OSEC unit (hypochlorite generator). We received 9,000 gallons of bulk hypochlorite and used 707,168 gallons from the OSEC unit to meet the disinfection needs for the year.

Sodium bisulfite was used at a rate of 7.0 pounds per million gallons, making 2020 the highest year in the ten year history shown in Table 17.

Polymer use in 2020 was at 29,700 pounds for 2,166,044 pounds of sludge on a dry solids basis and equated to 72.9 pounds of dry solids per pound of polymer. This is a similar dosage rate to that used in 2019.

NUTRIENTS (TABLE 18)

The NPDES permit requires routine monitoring of influent and effluent total nitrogen and phosphorus concentrations. Table 18 summarizes that data and applies the concentration data to the monthly flows to estimate loads.

45% removal of phosphorus and 42% removal of nitrogen occurred across the plant in 2020.

Table 19 compares the annual average nutrients influent, effluent and percentage removals since monitoring began in 2015.

SUMMARY

While 2020 had the lowest annual rainfall in the past five years, the annual rainfall was still above the historic average. A record event in May contributed to this.

Flow totals remain consistent with historic levels, which is a decrease from 2019. The WWTC operated at its peak capacity during the May rainfall/flooding event. Billable flow as a proportion of total flow was approximately 45%, reflecting the higher proportion of I/I due to annual precipitation. The need for system I/I reduction continues.

Plant reserve capacity appears to be adequate. Dry weather low flows remain well below the plant's hydraulic capacity, the primary method used to determine reserve capacity. Influent pollutant loads from recycle streams remained high in 2020 and will remain an area of focus for plant operations staff.

Sludge production levels decreased this year due to less hauled grease waste being accepted as a result of only one CHP being in service as well as due to less influent solids. Even with this decrease, the total volume of biosolids leaving the WWTC site was the highest ever reported annual total. This is due to disposing of biosolids stored from previous years. The decrease in sludge production is temporary as the WWTC will continue with increases in high-strength waste co-digestion upon startup of the new CHP engine. As seen in 2018 and 2019, this increase will be reflected in the amount of digested sludge produced at the plant. Higher volumetric production of dewatered sludge will limit the production of Class A biosolids due to limited aging/storage space, requiring more Class B disposal, which is more expensive. The District piloted a composting system this year, evaluating it as an option to reduce the overall volume of biosolids for disposal as well as to improve the quality of the biosolids from the belt filter press. The WAS thickener which will be in operation in 2021 is also expected to provide volume reduction and improve biosolids quality.

Total electricity consumption was fairly consistent with the past few years, even with the hypochlorite generator (OSEC) back in service. The amount of electricity provided by ComEd, however, was significantly higher in 2020 than in the previous two years due to only one CHP engine being in service. Natural gas use was lower than 2019 and similar to that used in 2017 and 2018.

Hauled grease trap waste was accepted consistently throughout 2020, but at the lowest level in the past five years. As noted above, this was due to only operating one CHP engine in 2020. Gas production needed to be limited to the capacity of the waste gas burners (flares).

A new 375-kW Nissen CHP system was installed at the end of 2020. Startup and commissioning will occur in early 2021.

The plant operated with one permit excursion and six reporting violations for 2020. Overall, effluent quality was excellent for the parameters controlled in the NPDES permit. The excursion was related to extreme weather and flooding conditions in May.

The Phosphorus Discharge Optimization Plan submitted in July 2017 committed to continuing attempts to achieve biological phosphorus removal with existing facilities. The use of aeration tanks 5-7 as anaerobic reactors to ferment a portion of return activated sludge was continued in 2020. A process change made in February, which was intended to increase the phosphorus removing organisms in the plant and thereby improve phosphorus removal, had the unintended consequence of decreasing the nitrifiers in the plant. When the wastewater temperature dropped in March, the effluent ammonia levels increased to concerning levels. While the ammonia levels were still within the March NPDES limits, they were above the April NDPES limits, and therefore operations staff quickly made the decision to reverse the process change. The nitrifiers quickly came back, and the ammonia dropped again thus avoiding a potential ammonia excursion in April. Subsequently, the District has been short staffed due to COVID, and engineering staff has been focused on other projects. Without the focus to optimize the process, the phosphorus percent removal was the lowest in 2020 that it has been since starting up the process. Engineering and operations staff intend to commit to optimizing the process in 2021.

TABLE 1 WWTC FLOW 2020

	PRECIPITATION	TERTIARY FLOW	EXCESS FLOW	TOTAL FLOW	EXCESS FLO	W EXCESS FLO	A EXCESS FLOW
MONTH	INCHES	RECEIVED (MG)	RECEIVED (MG)	RECEIVED (MG)	HOURS ON	% HRS. ON	% OF TOTAL
Jan	3.56	422.01	13.58	435.59	23.10	3.10	3.12
Feb	0.79	334.82	0.00	334.82	0.00	0.00	0.00
Mar	3.75	414.69	8.09	422.78	29.40	3.95	1.91
Apr	4.40	358.04	47.68	405.72	38.50	5.35	11.75
May	7.23	479.28	88.32	567.60	117.00	15.73	15.56
Jun	4.44	283.75	0.27	284.02	2.00	0.28	0.09
Jul	2.30	270.68	0.00	270.68	0.00	0.00	0.00
Aug	1.33	216.68	0.00	216.68	0.00	0.00	0.00
Sep	3.19	241.28	0.00	241.28	0.00	0.00	0.00
Oct	3.80	269.28	8.32	277.61	13.20	1.77	3.00
Nov	2.14	265.51	0.00	265.51	0.00	0.00	0.00
Dec	2.70	309.82	11.51	321.33	21.90	2.94	3.58
TOTALS	39.63	3,865.84	177.77	4,043.61	245.10	2.80	4.40

WWTC FLOW RATES FOR 2020

Daily average total treatment flow -	11.08
Daily average tertiary treatment flow -	10.59
Daily average excess treatment flow -	0.49

PERIOD	PRECIPITATION INCHES	TERTIARY FLOW	EXCESS FLOW RECEIVED MG	TOTAL FLOW RECEIVED MG	% EXCESS OF TOTAL FLOW	OPERATIONAL HRS. EXCESS FLOW	% EXCESS OF TOTAL HRS.
1/1/76 - 12/31/76	29.39	2960.9	174.9	3135.8	5.6%	400.25	4.6%
1/1/77 - 12/31/77	33.22	3334.6	104.5	3439.1	3.0%	329.50	3.8%
1/1/78 - 12/31/78	31.02	3419.0	228.3	3647.3	6.3%	790.25	9.0%
1/1/79 - 12/31/79	36.55	3518.2	820.8	4339.0	18.9%	1791.25	20.4%
1/1/80 - 12/31/80	33.00	3866.1	235.0	4101.1	5.7%	697.50	7.9%
1/1/81 - 12/31/81	23.02	3510.1	141.0	3651.1	3.9%	347.00	4.0%
1/1/82 - 12/31/82	33.10	3531.3	370.3	3901.6	9.5%	826.87	9.4%
1/1/83 - 12/31/83	34.34	3726.4	328.0	4054.4	8.1%	613.50	7.0%
1/1/84 - 12/31/84	25.38	3742.1	206.5	3948.6	5.2%	456.75	5.2%
1/1/85 - 12/31/85	31.97	3611.2	228.0	3839.2	5.9%	440.26	5.0%
1/1/86 - 12/31/86	25.60	3550.1	54.3	3604.4	1.5%	162.83	1.9%
1/1/87 - 12/31/87	33.47	3754.9	187.3	3942.2	4.8%	374.38	4.3%
1/1/88 - 12/31/88	22.56	3518.6	148.2	3666.8	4.0%	446.07	5.1%
1/1/89 - 12/31/89	25.19	3377.9	62.9	3440.8	1.8%	110.58	1.3%
1/1/90 - 12/31/90	43.12	4189.3	286.4	4475.7	6.4%	413.33	4.7%
1/1/91 - 12/31/91	39.06	4064.8	173.8	4238.6	4.1%	257.79	2.9%
1/1/92 - 12/31/92	30.34	3609.3	59.4	3668.7	1.6%	97.20	1.1%
1/1/93 - 12/31/93	40.83	4056.9	307.1	4364.0	7.0%	416.11	4.8%
1/1/94 - 12/31/94	33.03	3555.8	85.6	3641.4	2.4%	160.68	1.8%
1/1/95 - 12/31/95	29.87	3684.8	174.6	3859.4	4.5%	275.70	3.1%
1/1/96 - 12/31/96	37.50	3672.2	141.7	3813.9	3.7%	193.40	2.2%
1/1/97 - 12/31/97	34.18	3582.0	178.5	3760.5	4.7%	239.40	2.7%
1/1/98 - 12/31/98	45.05	4088.6	269.6	4358.2	6.2%	479.80	5.5%
1/1/99 - 12/31/99	31.38	3716.3	228.9	3945.2	5.8%	347.33	4.0%

1/1/00 - 12/31/00	33.98	3565.5	142.9	3708.4	3.9%	242.66	2.8%
1/1/01 - 12/31/01	35.51	4158.0	171.2	4329.2	4.0%	287.46	3.3%
1/1/02 - 12/31/02	29.23	3594.0	107.5	3701.5	2.9%	200.71	2.3%
1/1/03 - 12/31/03	32.63	3343.4	99.3	3442.7	2.9%	211.13	2.4%
1/1/04 - 12/31/04	37.31	3436.5	97.9	3534.4	2.8%	184.64	2.1%
1/1/05 - 12/31/05	27.09	3443.8	101.4	3545.2	2.9%	162.25	1.9%
1/1/06 - 12/31/06	47.08	4337.0	135.9	4472.8	2.7%	315.57	3.5%
1/1/07 - 12/31/07	36.06	3709.0	124.7	3833.7	3.2%	228.15	2.6%
1/1/08 - 12/31/08	47.45	4085.2	297.2	4382.4	6.8%	438.42	5.0%
1/1/09 - 12/31/09	45.10	4134.5	373.4	4507.9	8.3%	571.55	6.5%
1/1/10 - 12/31/10	40.11	3742.3	217.1	3959.4	5.5%	339.68	3.9%
1/1/11 - 12/31/11	43.13	4034.3	275.9	4310.2	6.4%	638.12	7.3%
1/1/12 - 12/31/12	26.16	3272.5	26.2	3298.8	0.8%	69.88	0.8%
1/1/13 - 12/31/13	47.18	3812.2	305.7	4117.9	7.4%	392.85	4.5%
1/1/14 - 12/31/14	39.04	4075.9	172.4	4248.3	4.1%	409.63	4.7%
1/1/15 - 12/31/15	38.93	3990.7	114.5	4105.1	2.8%	233.84	2.7%
1/1/16 - 12/31/16	42.28	4093.5	84.9	4178.3	2.0%	204.37	2.3%
1/1/17-12/31/17	42.23	3769.1	197.5	3967.1	5.0%	283.5	2.4%
1/1/18-12/31/18	44.57	4007.8	221.6	4229.4	5.2%	311.4	3.5%
1/1/19-12/31/19	56.22	4597.8	307.4	4905.2	6.3%	511.2	5.8%
1/1/20-12/31/20	39.63	3865.8	177.8	4043.6	4.4%	245.1	2.8%
				Total 45 Year Average			
1/1/76 to 12/31/20 Average Yearly Values	1,063.54 34.31	12,471.40 4,157.1	904.26 226.1	13,178.20 4,392.7	5.3%	1,351.20 337.8	4.0%

WET WEATHER DISCHARGES

<u>2020</u>

	TO ST. JOSEPH CREEK		FROM IN	FROM INTERMEDIATE		FROM INTERMEDIATES		
	CR	EEK		NO. 1	NOS	S. 2 & 3		
	OUTF	ALL 002	OUT	FALL C01	OUT	OUTFALL 003		
MONTH	MG	HOURS	MG	HOURS	MG	HOURS		
Jan	19.40	22.90	0.00	0.00	0.00	0.00		
Feb	0.00	0.00	0.00	0.00	0.00	0.00		
Mar	11.25	26.80	0.00	0.00	0.00	0.00		
Apr	61.41	38.50	9.05	15.30	0.00	0.00		
May	106.27	99.70	12.50	29.80	4.24	9.10		
Jun	0.21	0.80	0.00	0.00	0.00	0.00		
Jul	0.00	0.00	0.00	0.00	0.00	0.00		
Aug	0.00	0.00	0.00	0.00	0.00	0.00		
Sep	0.00	0.00	0.00	0.00	0.00	0.00		
Oct	14.69	25.90	0.00	0.00	0.00	0.00		
Nov	0.64	4.80	0.00	0.00	0.00	0.00		
Dec	18.62	22.60	0.00	0.00	0.00	0.00		
Total	232.49	242.00	21.55	45.10	4.24	9.10		

		2020		10 YEARS			
MONTH	Days at 11.0 MGD or Above	Influent Avg. MGD for Month	% Days 11.0 MGD or Above	Total Rainfall (in.)	YEAR	% Days above 11.0 MGD	Rainfall (in.)
Jan	23	13.86	74.2	3.56	2011	41	43.13
Feb	15	11.55	51.7	0.79	2012	16	26.16
Mar	21	13.28	67.7	3.75	2013	31	47.18
Apr	8	11.15	26.7	4.40	2014	38	39.04
May	22	14.85	71.0	7.23	2015	36	38.93
Jun	5	9.14	16.7	4.44	2016	35	42.28
Jul	2	8.22	6.5	2.30	2017	30	42.23
Aug	0	6.54	0.0	1.33	2018	35	44.57
Sep	3	7.56	10.0	3.19	2019	50	56.22
Oct	3	8.29	9.7	3.80	2020	30	39.63
Nov	3	8.28	10.0	2.14			
Dec	5	9.78	16.1	2.70			
Total	110	10.21	30.0	39.63			

WWTC REMAINING CAPACITY 2020

			1			
	2015	2016	2017	2018	2019	2020
Hydraulic Capacity						
Three Low Flow Months (MGD),	Feb 9.4	Sep 7.8	Sep 6.3	Jul 7.6	Aug 8.3	Aug 6.5
Plant Influent	Aug 8.8	Oct 9.4	Aug 6.9	Aug 8.3	Dec 10.3	
	Oct 7.4	Nov 8.6	Dec 7.4	Sep 9.1	Jul 10.5	Jul 8.2
Average, 3 Low Flow Months (MGD)	8.5	8.6	6.9	8.3	9.7	7.4
Annual Average Flow (PE)	85,300	86,000	69,000	83,000	97,000	74,000
IEPA Permitted Flow - last 2 years (PE)	425	874	1,195	654	99	422
Total Load (PE)	85,725	86,874	70,195	83,654	97,099	74,422
WWTC Hydraulic Capacity (PE)	110,000	110,000	110,000	110,000	110,000	110,000
Remaining Hydraulic Capacity (PE)	24,275	23,126	39,805	26,346	12,901	35,578
% of Hydraulic Capacity Utilized	77.93%	78.98%	63.81%	76.05%	88.27%	67.66%
Organic Capacity						
Organic Capacity						
Influent Loadings (annual avg. lbs/day)						
BOD	11,630	17,056	17,380	20,064	16,676	16,854
TSS NH3-N	12,028 1,218	15,857 1,317	15,498 1,505	17,290 1,524	15,427 1,506	14,654 1,319
	.,	.,0.1	1,000	.,0	.,	.,010
WWTC Organic Capacity (lbs/day)						
BOD TSS	14,120 15,920	14,120 15,920	14,120 15,920	14,120 15,920	14,120 15,920	14,120 15,920
NH3-N	1,651	1,651	1,651	1,651	1,651	1,651
	,		,	,	,	
% of WWTC Organic Capacity Utilized						
BOD TSS	82.37% 75.55%	120.79% 99.60%	123.09% 97.35%	142.10% 108.61%	118.10% 96.90%	119.36% 92.05%
NH3-N	73.77%	99.00 <i>%</i> 79.75%	97.35 <i>%</i> 91.16%	92.31%	90.90 <i>%</i> 91.22%	92.03 <i>%</i> 79.89%
	•	8				. 1

TABLE 6 DAILY AVERAGE CONCENTRATIONS

	EFFLUENT DAILY AVG.	INFI	UENT (MO	٦/I)	FFF	LUENT (M	G/L)
YEAR	FLOW - MGD	BOD	<u>TSS</u>	<u>NH3-N</u>	CBOD	<u>TSS</u>	<u>NH3-N</u>
2011	11.1	167	217	15.1	1.6	1.6	0.4
2012	8.9	147	167	19.6	1.6	0.5	0.1
2013	10.4	119	132	16.1	1.0	0.5	0.1
2014	11.2	127	154	16.0	1.0	0.7	0.3
2015	10.9	130	140	14.7	1.3	0.7	0.2
2016	11.2	189	183	16.1	1.1	0.6	0.3
2017	10.3	213	199	20.3	1.2	0.9	0.4
2018	11.0	230	210	18.7	1.5	1.2	0.6
2019	12.6	169	162	16.4	1.4	1.0	0.3
2020	10.6	213	188	16.4	1.3	0.8	0.6
AVG.	10.8	170	175	16.9	1.3	0.9	0.3

DAILY AVERAGE LOADINGS

	EFFLUENT DAILY AVG.	INFL	JENT (LBS/		EFFU	JENT (LBS	
<u>YEAR</u>	FLOW - MGD	BOD	TSS	<u>NH3-N</u>	<u>CBOD</u>	<u>TSS</u>	<u>NH3-N</u>
2011	11.1	15,119	19,648	1,295	167	189	42
2012	8.9	10,425	11,895	1,386	119	38	11
2013	10.4	9,699	10,865	1,279	93	55	11
2014	11.2	10,937	13,459	1,337	96	69	26
2015	10.9	11,630	12,028	1,218	115	67	23
2016	11.2	17,056	15,857	1,317	103	58	25
2017	10.3	17,380	15,498	1,505	121	111	40
2018	11.0	20,038	17,312	1,528	169	177	62
2019	12.6	16,676	15,427	1,506	163	124	33
2020	10.6	16,854	14,654	1,319	115	86	66
AVG.	10.8	14,581	14,664	1,369	126	97	34

PRIMARY TREATMENT INTERMEDIATE TREATMENT TERTIARY TREATMENT TERTIARY **OVERALL** PRIMARY PRIMARY IMTERMEDIATE INTERMEDIATE TERTIARY EFFLUENT DAILY RAW EFFLUENT REMOVAL EFFLUENT REMOVAL EFFLUENT REMOVAL REMOVAL AVERAGE SEWAGE Month FLOW-MGD PARAMETER (MG/L) (MG/L) (% OF RAW) (MG/L) (% OF PRI) (MG/L) (% OF INT) (% OF RAW) TSS 146 46 68.6% 5.0 89.1% 0.9 0.8 99.4% Jan-20 13.61 BOD 164 65 60.2% 2.6 96.1% 1.16 0.5 99.3% AMM-N 95.4% 14 0.64 TSS 171 53 69.0% 4.9 90.8% 1.0 0.9 99.4% BOD 76 3.3 95.7% 1.49 0.5 99.3% Feb-20 11.55 201 62.1% AMM-N 14 92.4% 1.05 TSS 178 73 59.2% 5.0 93.2% 0.9 0.8 99.5% Mar-20 13.38 BOD 182 78 56.9% 3.1 96.1% 1.56 0.5 99.1% AMM-N 13 86.2% 1.84 TSS 169 0.7 99.6% Apr-20 11.93 BOD 184 1.26 99.3% 95.2% AMM-N 13 0.62 TSS 120 0.8 99.3% May-20 15.46 BOD 135 1.11 99.2% AMM-N 10 0.30 97.1% TSS 204 43 79.1% 7.1 83.3% 0.7 0.9 99.7% BOD 97.0% Jun-20 9.46 240 74 69.1% 2.3 1.08 0.5 99.6% AMM-N 18 0.19 98.9% TSS 208 51 75.3% 6.5 87.3% 0.9 0.9 99.6% 8.73 BOD 237 99 58.2% 1.7 98.3% 1.33 0.2 99.4% Jul-20 AMM-N 19 0.10 99.5% TSS 251 85 66.2% 3.8 95.6% 0.7 0.8 99.7% BOD 99.0% Aug-20 6.99 282 147 47.9% 1.5 1.30 0.1 99.5% AMM-N 25 0.21 99.2% TSS 240 63 73.6% 6.4 89.9% 0.4 0.9 99.8% BOD 275 112 59.1% 1.3 98.9% 0.92 0.3 99.7% Sep-20 8.04 AMM-N 23 0.10 99.6% TSS 202 7.7 63 69.1% 87.6% 1.0 0.9 99.5% BOD 97.9% Oct-20 8.69 234 110 53.1% 2.3 1.38 0.4 99.4% AMM-N 22 0.13 99.4% TSS 185 47 74.7% 13.5 71.2% 0.6 1.0 99.7% 8.85 BOD 195 76 60.9% 4.1 94.7% 1.18 0.7 99.4% Nov-20 AMM-N 18 0.25 98.7% TSS 42 177 76.2% 6.5 84.6% 0.9 0.9 99.5% BOD Dec-20 9.99 218 74 66.3% 2.7 96.4% 1.42 0.5 99.4% AMM-N 16 0.13 99.2% TSS 188 55 88.4% 70.7% 6.4 0.8 0.9 99.6% Total Year BOD 89 2.5 97.2% 0.5 10.56 213 58.2% 1.26 99.4% Avg. AMM-N 16.39 0.62 96.2%

TABLE 8					
WWTC PERFORMANCE DATA 2011-2020					

			RAW SEWAGE				TE TREATMENT NT INTERMEDIATE REMOVAL		TREATMENT	
YEAR	MGD		(MG/L)	(MG/L)	(% OF RAW)	(MG/L)	(% OF RAW)	(MG/L)	(% OF RAW)	(% OF RAW)
		BOD	167	73	56.3%	5	40.7%	1.6	2.0%	99.0%
2011	11.1	TSS	217	66	69.6%	14.5	23.7%	1.6	5.9%	99.3%
		NH3	15.1					0.39		97.4%
		BOD	147	96	34.7%	3.2	63.1%	1.6	1.1%	98.9%
2012	9.0	TSS	167	68	59.3%	6.5	36.8%	0.5	3.6%	99.7%
		NH3	19.6					0.14		99.3%
		BOD	120	76	36.7%	2.3	61.4%	1.0	1.1%	99.2%
2013	10.4	TSS	133	57	57.1%	6.3	38.1%	0.5	4.4%	99.6%
		NH3	16.1					0.13		99.2%
		BOD	126	75	40.5%	3.1	57.1%	1.0	1.7%	99.2%
2014	11.2	TSS	152	62	59.2%	6.9	36.3%	0.7	4.1%	99.5%
		NH3	15.8					0.28		98.2%
		BOD	130	73	43.8%	2.9	53.9%	1.3	1.2%	99.0%
2015	10.9	TSS	140	49	65.0%	5.6	31.0%	0.7	3.5%	99.5%
		NH3	14.7					0.24		98.4%
		BOD	189	81	57.1%	2.7	41.4%	1.1	0.8%	99.4%
2016	11.2	TSS	183	52	71.6%	5.9	25.2%	0.6	2.9%	99.7%
		NH3	16.0					0.24		98.5%
		BOD	213	94	55.9%	2.8	42.8%	1.2	0.8%	99.4%
2017	10.3	TSS	199	73	63.3%	7.3	33.0%	0.9	3.2%	99.5%
		NH3	20.3					0.40		98.0%
		BOD	227	103	54.6%	3.1	44.0%	1.5	0.7%	99.3%
2018	11.0	TSS	211	81	61.6%	9.3	34.0%	1.2	3.8%	99.4%
		NH3	18.9					0.60		96.8%
		BOD	169	83	50.9%	2.6	47.6%	1.4	0.7%	99.2%
2019	12.6	TSS	162	68	58.0%	6.6	37.9%	1.0	3.5%	99.4%
		NH3	16.4					0.26		98.4%
		BOD	213	89	58.2%	2.5	40.6%	1.3	0.5%	99.4%
2020	10.6	TSS	188	55	70.7%	6.4	25.9%	0.8	3.0%	99.6%
		NH3	16.4					0.62		96.2%
		BOD	170	84	48.3%	3	49.3%	1.3	1.1%	99.2%
TEN YEAR AVG	11.6	TSS	175	63	63.5%	7.5	32.2%	0.9	3.8%	99.5%
AVG		NH3	16.9					0.33		98.3%

DIGESTER FEED VOLUMES 2020

MONTH	<u>GALLONS</u> <u>PRIMARY</u>	<u>GALLONS</u> <u>WAS</u>	<u>GALLONS</u> <u>GREASE</u>	GALLONS TOTAL FEED	GALLONS SUPERNATANT
Jan	962,131	727,560	261,351	1,951,042	735,233
Feb	814,522	553,440	214,270	1,582,232	687,699
Mar	948,059	497,790	212,651	1,658,500	722,778
Apr	1,001,512	469,620	245,890	1,717,022	646,027
May	1,019,355	480,500	222,585	1,722,440	776,275
Jun	982,615	506,890	230,596	1,720,101	800,421
Jul	942,826	593,630	260,275	1,796,731	758,456
Aug	855,993	678,630	244,243	1,778,866	665,264
Sep	904,178	722,740	206,403	1,833,321	807,124
Oct	958,940	765,210	226,121	1,950,271	682,170
Nov	923,382	621,940	229,423	1,774,745	778,963
Dec	955,035	632,030	244,066	1,831,131	906,584
TOTAL	11,268,548	7,249,980	2,797,874	21,316,402	8,966,994

	TOTAL GALLONS	TOTAL GALLONS	TOTAL GALLONS	TOTAL GALLONS	<u>TOTAL</u> <u>GALLONS</u>
<u>YEAR</u>	<u>PRIMARY</u>	WAS	<u>GREASE</u>	<u>FEED</u>	<u>SUPERNATANT</u>
2008	7,377,548	6,246,500	0	13,624,048	5,698,687
2009	8,941,879	6,386,450	0	15,328,329	7,063,547
2010	7,889,406	6,844,350	11,275	14,745,031	6,888,367
2011	13,375,341	7,732,749	123,361	21,231,451	7,954,262
2012	11,401,865	7,301,845	1,484,049	20,187,759	9,098,760
2013	10,246,693	7,702,241	1,847,140	19,796,074	7,406,897
2014	10,556,827	8,726,360	2,637,907	21,921,094	7,669,632
2015	12,856,865	7,917,270	2,388,320	23,162,455	10,452,628
2016	16,005,236	9,480,829	3,669,377	29,155,442	21,897,719
2017	12,710,097	8,894,754	3,479,599	25,084,451	18,908,335
2018	12,790,989	7,632,530	4,450,410	24,873,929	9,292,026
2019	12,983,091	9,017,620	3,225,805	25,226,516	8,475,445
2020	11,268,548	7,249,980	2,797,874	21,316,402	8,966,994

DIGESTED SLUDGE PUMPING

<u>2020</u>

MONTH	GALLONS TO DRYING BEDS	GALLONS TO <u>LAGOONS</u>	GALLONS TO BELT PRESS	TOTAL <u>GALLONS</u>	TOTAL DRY <u>SOLIDS (LBS)</u>	DRY <u>TONS</u>
Jan	123,468	0	1,204,857	1,328,325	231,886	116
Feb	135,120	0	846,600	981,720	151,691	76
Mar	166,740	0	813,960	980,700	165,405	83
Apr	303,236	69,720	783,851	1,156,807	210,451	105
May	0	0	798,350	798,350	97,161	49
Jun	0	87,780	1,074,750	1,162,530	212,613	106
Jul	345,660	0	815,522	1,161,182	202,753	101
Aug	256,620	74,400	704,068	1,035,088	177,691	89
Sep	180,600	0	941,895	1,122,495	179,317	90
Oct	165,900	56,700	1,048,170	1,270,770	210,149	105
Nov	88,200	0	883,247	971,447	147,329	74
Dec	74,760	0	1,016,826	1,091,586	179,597	90
TOTAL	1,840,304	288,600	10,932,096	13,061,000	2,166,043	1,083
	TOTAL TO	TOTAL TO	TOTAL TO	TOTAL	TOTAL DRY	DRY
<u>YEAR</u>	DRYING BEDS	LAGOONS	BELT PRESS	<u>GALLONS</u>	<u>SOLIDS (LBS)</u>	TONS
2011	3,044,101	589,387	6,796,823	10,430,311	2,279,802	1,140
2012	2,804,389	987,418	5,167,727	8,959,534	2,004,268	1,002
2013	2,454,875	608,702	6,181,381	9,244,958	2,123,228	1,062
2014	2,111,002	900,582	7,757,099	10,768,684	2,311,647	1,156
2015	1,637,510	708,388	8,575,670	10,921,568	2,390,913	1,195
2016	2,684,707	722,430	5,483,122	8,890,259	1,773,261	1,006
2017 2018	2,876,333 2,734,442	838,116 498,168	7,918,682 11,821,260	11,633,131 15,053,870	2,005,847 2,410,325	1,003 1,206
2018	2,006,624	539,572	12,591,073	15,053,870	2,410,323	1,200
2019	1,840,304	288,600	10,932,096	13,061,000	2,166,043	1,290 <u>1,083</u>
-	, -,	,	, ,	, , ,	, ,	

Ten Year Avg. 1,114

CLASS A BIOSOLIDS DISTRIBUTION

YEAR		/ERED				UP ST.		O USE	TOTAL
	Cu. Yd.	% of Total	Cu. Ya.	% of Total	Cu. Yd.	% of Total	Cu. Yd.	% of Total	
2011	2876	87%	21	0%	516	11%	89	2%	4,687
2012	4812	87%	3	0%	387	12%	27	1%	3,293
2013	2535	89%	55	1%	504	9%	60	1%	5,431
2014	3012	83%	113	4%	395	13%	0	0%	3,043
2015	3185	87%	72	2%	321	9%	41	1%	3,446
2016	2269	88%	75	2%	358	10%	7	0%	3,625
2017	3307	67%	648	19%	451	13%	12	0%	3,380
2018	2414	83%	322	8%	253	6%	101	10%	3,983
2019	1,339	81%	120	7%	176	11%	9	1%	1,644
2020	820	54%	220	14%	464	30%	18	1%	1,522
TEN YEAR	0.057	000/	170	0 01	000	.		404	0.540
AVG	2,657	68%	170	3%	320	6%	14	1%	3,548

Table 12 BIOSOLIDS DISPOSAL

Year	Class A Distribution	Class B Hauling	Total	Class A D	istribution	Class B	Hauling	Total
	Cu. Yd.	Cu. Yd.	Cu. Yd.	Dry Tons	% of Total	Dry Tons	% of Total	Dry Tons
2011	3,293	0	3,293	1,501	100%	0	0%	1501
2012	5,431	0	5,431	3,023	100%	0	0%	3,023
2013	3,043	0	3,043	1,757	100%	0	0%	1,757
2014	3,446	0	3,446	2,068	100%	0	0%	2,068
2015	3,625	0	3,625	1,948	100%	0	0%	1,948
2016	3,380	1,018	4,398	1,821	92%	164	8%	1,985
2017	3,983	1,718	5701	1,964	90%	223	10%	2,187
2018	3,072	3,000	6072	1,685	79%	449	21%	2,134
2019	1,644	4,830	6474	938	60%	619	40%	1,557
2020	1,522	5,915	7,437	799	1	634	44%	1,434
Ten Year Avg	3,244	1,648	4,892	1,750	88%	418	12%	1,959

<u>UTILITIES</u>

<u>2020</u>

	ELECTRICITY FROM COMED	ELECTRICITY FROM CHP		Т	CITY WATER		
<u>MONTH</u>	KW HOURS	KW HOURS	<u>WWTC</u>	<u>MSB</u>	HYPO BLDG	<u>5006 WALNUT</u>	GALLONS
Jan	126,110	273,761	41,100	47,600	39,800	35,300	18,326
Feb	98,637	257,515	40,233	44,533	31,133	28,333	15,833
Mar	98,738	276,688	33,667	29,767	14,667	15,767	21,642
Apr	91,350	250,607	17,500	11,400	8,700	9,300	8,527
May	119,142	270,254	8,000	5,867	2,100	2,700	73,952
Jun	127,389	235,299	4,500	1,933	0	0	138,106
Jul	162,258	209,131	4,200	1,900	0	0	154,612
Aug	245,839	93,960	4,300	1,500	0	0	132,246
Sep	77,005	246,709	7,200	1,700	100	0	114,519
Oct	110,811	246,662	12,133	8,833	2,767	2,500	162,416
Nov	76,955	262,058	25,867	18,567	29,433	16,400	30,269
Dec	185,346	178,210	42,500	39,400	68,000	30,400	60,364
TOTAL	1,519,580	2,800,854	241,200	213,000	196,700	140,700	930,812
	ELECTRICITY	ELECTRICITY					
	FROM COMED	FROM CHP		NATUR	AL GAS - CU.F	Т.	CITY WATER
<u>YEAR</u>	KW HOURS	KW HOURS	<u>WWTC</u>	<u>MSB</u>	HYPO BLDG	<u>5006 WALNUT</u>	GALLONS
2008	6,029,248		2,772,600	360,400	152,600	94,000	1,297,461
2009	5,077,824		1,760,300	267,000	146,500	83,543	1,284,865
2010	4,897,032		1,869,333	304,667	142,167	68,550	1,264,182
2011	5,142,655		1,172,167	222,133	173,033	74,350	1,348,906
2012	4,737,602		708,000	176,700	134,000	62,267	1,257,743
2013	4,710,718		1,852,600	291,100	199,300	150,172	570,319
2014	4,147,605	906,097	556,600	354,300	256,200	112,612	1,360,462
2015	3,088,543	1,618,114	330,725	242,300	243,341	90,150	2,022,867
2016	2,914,349	1,764,802	279,466	242,566	208,867	100,500	1,398,325
2017	2,099,643	2,598,796	206,667	261,833	217,700	95,500	801,133
2018	346,456	3,964,426	219,600	271,867	152,733	134,700	422,321
2019	476,040	3,951,914	219,900	296,700	232,300	136,200	227,990
2020	1,519,580	2,800,854	241,200	213,000	196,700	140,700	930,812

ELECTRICAL USAGE AND WWTC FLOWS

YEAR	MGD	COMED KWHRS <u>PER DAY</u>	TOTAL FLOW <u>MG</u>	TOTAL <u>KWHRS</u>	KWHRS <u>PER MG</u>
1997	10.3	20,259	3,760.52	7,394,400	1,966
1998	11.9	20,643	4,358.23	7,534,800	1,729
1999	10.8	20,831	3,945.26	7,603,200	1,927
2000	10.1	19,503	3,708.38	7,138,220	1,925
2001	11.9	18,837	4,329.23	6,875,400	1,588
2002	10.1	17,670	3,701.50	6,449,400	1,742
2003	9.4	17,648	3,442.68	6,441,600	1,871
2004	9.6	18,138	3,534.37	6,638,400	1,878
2005	9.7	17,859	3,545.21	6,518,400	1,839
2006	12.3	18,652	4,472.81	6,808,073	1,522
2007	10.5	18,549	3,831.59	6,770,460	1,767
2008	12.0	16,473	4,382.37	6,029,248	1,376
2009	12.4	13,912	4,507.87	5,077,824	1,126
2010	10.8	13,417	3,959.40	4,897,032	1,237
2011	11.8	14,089	4,310.18	5,142,655	1,193
2012	9.0	12,980	3,298.75	4,737,602	1,436
2013	10.4	12,906	4,117.91	4,710,718	1,144
2014	11.6	11,363	4,248.26	4,147,605	976
2015	11.3	8,462	4,105.10	3,088,543	752
2016	11.4	7,963	4,178.33	2,914,349	697
2017	10.3	5,752	3,769.61	2,099,643	557
2018	11.0	949	4,008	346,456	86
2019	12.6	1,304	4,598	476,040	104
2020	10.6	4,163	3,866	1,519,580	393

DIGESTER GAS UTILIZATION

	2020								
	<u>TOTAL</u>			<u>HEAT</u>	WASTE	HAULED GREASE			
	PRODUCED	CHP	DEHUMIDIFIER	EXCHANGER	(FLARED)	<u>WASTE</u>			
<u>MONTH</u>	<u>Cu. Ft.</u>	<u>Cu. Ft.</u>	<u>Cu. Ft.</u>	<u>Cu. Ft.</u>	<u>Cu. Ft.</u>	<u>Gals.</u>			
Jan	5,548,176	3,608,927	745,705	141,847	1,051,697	261,351			
Feb	5,431,995	3,403,660	206,614	209,586	1,612,135	214,270			
Mar	5,683,750	3,669,262	663,625	119,745	1,231,118	212,651			
Apr	5,423,536	3,323,067	647,691	161,127	1,291,652	245,890			
May	5,707,672	3,612,505	405,352	113,805	1,576,010	222,585			
Jun	5,064,510	3,194,291	494,342	72,656	1,303,222	230,596			
Jul	5,358,897	2,845,777	601,620	109,334	1,802,166	260,275			
Aug	3,682,641	1,232,417	232,854	526,864	1,690,507	244,243			
Sep	4,167,401	3,189,930	0	53,855	923,616	206,403			
Oct	4,504,481	3,270,921	560,516	49,514	623,529	226,121			
Nov	5,070,508	3,388,968	739,029	24,218	918,293	229,423			
Dec	4,425,187	2,300,265	843,586	451,038	830,298	244,066			
TOTAL	60,068,754	37,039,990	6,140,934	2,033,589	14,854,243	2,797,874			
YEAR	<u>TOTAL</u> PRODUCED	ENGINE/ CHP	DEHUMIDIFIER	<u>HEAT</u> <u>EXCHANGER</u>	WASTE (FLARED)	HAULED GREASE WASTE			
	<u>Cu. Ft.</u>	<u>Cu. Ft.</u>	<u>Cu. Ft.</u>	<u>Cu. Ft.</u>	<u>Cu. Ft.</u>	Gals.			
2008	23,937,366		107,766	22,026,830	1,802,770	0			
2009	34,050,861		5,261,917	28,702,134	86,810	0			
2000	26,703,675		8,959,103	15,979,638	1,764,933	11,275			
2011	31,976,383		11,654,942	15,832,873	4,488,568	134,958			
2012	54,155,650		12,539,508	21,119,458	20,196,684	1,475,796			
2013	49,310,158		13,063,363	27,651,410	8,595,385	1,854,698			
2010	65,301,203	16,426,989	11,353,641	26,667,787	17,011,975	2,728,840			
2015	68,198,366	31,095,549	5,858,902	20,643,295	21,656,843	2,389,320			
2016	84,415,051	34,504,340	11,057,844	10,918,707	27,934,160	3,669,377			
2017	65,346,479	37,324,484	4,074,161	9,737,050	14,210,784	3,480,299			
2018	82,004,810	59,259,962	4,877,385	2,558,378	15,309,085	4,450,410			
2019	82,452,685	57,564,552	8,000,079	1,775,449	15,112,605	3,225,805			
2020	60,068,754	37,039,990	6,140,934	2,033,589	14,854,243	2,797,874			

CHEMICALS

<u>2020</u>

			2020				
						SLUDGE	
		SINFECTANT USE	_		D DISINFECTANT S		<u>TREATMENT</u>
	0.8% SODIUM			SOLAR	0.8% SODIUM	16% SODIUM	
	<u>HYPOCHLORITE</u> <u>TERTIARY</u>	HYPOCHLORITE EXCESS	BISULFITE TERTIARY	<u>SALT</u> DELIVERY	HYPOCHLORITE FROM OSEC	DELIVERED	POLYMERS
MONTH	Gallons	<u>Gallons</u>	Gallons	<u>Tons</u>	<u>Gallons</u>	<u>Gallons</u>	<u>POLIMERS</u> Ibs.
MOITH	Canona		Gallons	10113	Gallons		<u>103.</u>
Jan	15,058	12,390	227	0	0	4,500	6,300
Feb	3,349	16	41	0	0	0	0
Man		40.005	055	0	220	0	2 000
Mar	15,534	12,635	255	0	336	0	3,600
Apr	7,070	23,597	234	25	0	0	0
,	,	-,	-	-	-	-	-
Мау	88,706	47,940	1,537	0	69,160	4,500	3,600
Jun	116,557	7,282	582	25	129,584	0	1,800
Jul	118,122	25	628	25	130,816	0	1,800
Gai	110,122	20	020	20	100,010	Ũ	1,000
Aug	107,848	10	778	25	103,152	0	1,800
Sep	84,539	12	678	0	91,448	0	1,800
0.1	00.400	0.004	004	05	100.000	0	0.000
Oct	96,166	9,691	864	25	126,392	0	3,600
Nov	8,021	18	131	0	15,568	0	1,800
-	- , -	-	-	-	-,	-	,
Dec	9,923	11,639	85	0	40,712	0	3,600
TOTAL	670,893	125,255	6,040	125	707,168	9,000	29,700

CHEMICAL USAGE

SODIUM HYPOCHLORITE USAGE

	TERTIARY	FLOW		EXCESS	FLOW	
YEAR	<u>lbs</u>	MG	lbs./MG	lbs.	MG	lbs./MG
2011	70.331	4,034.3	17.4	11.092	275.9	40.2
2012	54,197	3,272.5	16.6	1,936	26.2	73.9
2013	47,333	3,812.2	12.4	9,084	305.7	29.7
2014	57,131	4,075.9	14	12,448	172.4	72.2
2015	47,388	3,990.7	11.9	8,294	114.5	72.4
2016	47,954	4,093.5	11.7	13,733	84.9	161.8
2017	36,336	3,769.6	9.6	12,200	193.6	63
2018	39,153	4,007.8	9.8	10,984	221.6	49.6
2019	48,154	4,597.8	10.5	17,002	307.4	55.3
2020	51,073	3,865.8	13.2	8,600	177.8	48.4

SODIUM BISULFITE

SALT AND HYPOCHLORITE SOURCE

YEAR	TERTIARY <u>lbs.</u>	FLOW <u>MG</u>	<u>lbs./MG</u>	SOLAR SALT DELIVERY TONS	0.8% SODIUM HYPOCHLORITE FROM <u>OSEC Gals.</u>	16% SODIUM HYPOCHLORITE <u>DELIVERED Gals.</u>
2011	23,538	4,034.3	5.8	126	1,027,712	24,503
2012	14,780	3,272.5	4.5	128	949,480	3,487
2013	16,679	3,812.2	4.4	43	262,360	45,300
2014	14,742	4,075.9	3.6	144	1,035,552	9,600
2015	25,048	3,990.7	6.3	144	859,180	4,420
2016	19,432	4,093.5	4.7	189	1,012,424	3,956
2017	22,167	3,769.6	5.9	0	115,416	49,500
2018	23,824	4,007.8	5.9	0	0	58,000
2019	30,079	4,597.8	6.5	0	0	72,500
2020	26,901	3,865.8	7.0	125	707,168	9,000

POLYMERS YEAR	POLYMERS <u>lbs.</u>	DRY SOLIDS <u>Ibs.</u>	lbs. Solids per Polymer <u>Ib.</u>
2011	17,550	1,343,277	76.5
2012	13,050	955,284	73.2
2013	14,850	1,276,521	86
2014	14,850	1,514,033	102
2015	16,200	1,485,811	91.7
2016	10,800	992,027	91.9
2017	16,200	1,266,862	91.9
2018	30,600	2,410,325	78.8
2019	36,000	2,577,421	71.6
2020	29,700	2,166,044	72.9

TABLE 18 NUTRIENTS 2020

Phosphorus

•	Influent Concentration,	Influent Load,	Effluent Concentration,	Effluent Load,	% Removal of
	mg/L	lbs/day	mg/L	lbs/day	Load, %
January	4.33	465	1.90	191	59%
February	4.09	402	2.04	199	50%
March	4.83	562	2.32	283	50%
April	4.69	425	2.61	251	41%
May	2.54	324	1.06	141	56%
June	5.89	454	2.98	231	49%
July	6.67	439	3.52	247	44%
August	6.67	376	4.59	281	25%
September	6.30	375	4.02	258	31%
October	6.86	434	3.76	232	46%
November	6.24	399	3.49	241	40%
December	4.85	363	2.45	183	49%
Min	2.54	324	1.06	141	25%
Max	6.86	562	4.59	283	59%
Annual Total		152,623		83,325	
Avg	5.33	418	2.90	228	45%

Nitrogen

	Influent Concentration,	Influent Load,	Effluent Concentration,	Effluent Load,	% Removal of
	mg/L	lbs/day	mg/L	lbs/day	Load, %
January	18.40	2,897	8.30	1,309	55%
February	24.00	2,348	14.40	1,401	40%
March	35.00	3,637	19.20	1,914	47%
April	18.20	1,422	16.40	1,408	1%
May	29.60	2,433	15.90	1,375	43%
June	32.60	2,422	21.30	1,623	33%
July	39.80	2,458	16.30	1,044	58%
August	45.60	2,729	22.20	1,428	48%
September	29.10	2,964	16.90	1,807	39%
October	42.90	2,461	23.10	1,386	44%
November	45.40	3,383	22.80	1,750	48%
December	38.60	2,426	20.10	1,237	49%
Min	18.20	1,422	8.30	1,044	1%
Max	45.60	3,637	23.10	1,914	58%
Annual Total		960,591		537,779	
Avg	33.27	2,632	18.08	1,474	42%

TABLE 19 NUTRIENTS ANNUAL AVERAGES SINCE 2015

			Phosphorus		
	Avg Influent Concentration mg/L	Avg Influent Load Ibs/day	Avg Effluent Concentration mg/L	Avg Effluent Load Ibs/day	% Removal Load %
2015	4.37	352	2.54	206	39%
2016	5.44	46	2.58	219	53%
2017	5.62	454	2.99	235	47%
2018	5.43	448	2.99	235	53%
2019	4.68	434	2.99	235	53%
2020	5.33	418	2.90	228	45%
Average	5.15	359	2.83	226	48%
			Nitrogen		
	Avg Influent	Avg Influent	Avg Effluent	Avg Effluent	%
	Concentration	Load	Concentration	Load	Removal
2015	<u>mg/L</u> 31.8	<u>lbs/day</u> 2,853	<u>mg/L</u> 17.98	<u>lbs/day</u> 1,620	Load %
2013	36.18	2,602	15.96	1,020	43% 56%
2010	38.52	3,128	16.04	1,318	50% 57%
2017	35	2,791	14.38	1,181	59%
2018	28.88	2,527	13.2	1,181	53%
2019	33.27	2,632	18.08	1,109	42%
Average	33.94	2,756	15.94	1,323	52%

DOWNERS GROVE SANITARY DISTRICT M E M O

DATE: January 14, 2021

- TO: Amy R. Underwood General Manager
- FROM: Keith Shaffner Sewer Construction Supervisor

RE: Sewer Construction Year End Summary – 2020

The following is a brief summary of the construction activities that occurred in the past year:

<u>Permits</u>: The year 2020 saw a 53% decrease in single family permits issued over the prior year (Exhibit A). Single family tear downs and rebuilds continue to be a significant factor in new home construction within the District (Exhibit B). Also attached for reference is the Annual Summary of Sewer Permits issued for the last five years 2016–2020 (Exhibit C).

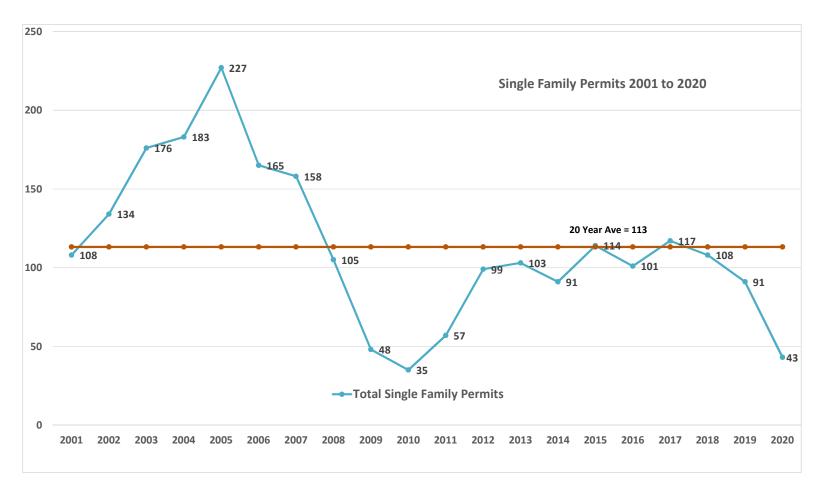
Annexations: Four parcels totaling of 1.74 acres were added to the Sanitary District from the 2020 annexations. Trunk Sewer Service Charges (TSSC) collected from annexations totaled \$8,887. Please find attached a summary of the parcels annexed into the Sanitary District in 2020 and a comparison of the last five years of annexations (Exhibit D).

Board of Local Improvements: There were 2 BOLI meetings held in 2020, and they reviewed two proposed developments. Both of the projects are still under District permit review.

Illinois EPA Permits: IEPA issued construction permits for 3 new projects in the District, with an estimated wastewater flow totaling 341 PE (34,100 gallons per day).

Public Sewer Main Construction: There was one new public sewer main project constructed in 2020, which added 210 lineal feet of sewer main and 1 manhole.

Exhibit A



SINGLE FAMILY PERMITS AVERAGES

- 5 YEAR AVERAGE (2016-2020)
 106

 10 YEAR AVERAGE (2011-2020)
 96
- 20 YEAR AVERAGE (2001-2020) 113

EXHIBIT B

SINGLE FAMILY TEAR-DOWNS & RE-BUILDS

YEAR	TOTAL SF PERMITS	TEAR DOWN RE-BUILDS	% RE-BUILDS
2001	108	57	52.78%
2002	134	51	38.06%
2003	176	94	53.41%
2004	183	115	62.84%
2005	227	136	59.91%
2006	165	99	60.00%
2007	158	63	39.87%
2008	105	27	25.71%
2009	48	24	50.00%
2010	35	19	54.29%
2011	57	32	56.14%
2012	99	48	48.48%
2013	103	56	54.37%
2014	91	62	68.13%
2015	114	58	50.88%
2016	101	57	56.44%
2017	117	70	59.83%
2018	108	54	50.00%
2019	91	44	48.35%
2020	43	28	65.12%
20-YEAR AVE	E 113	60	52.76%

20 YEAR SUMMARY:

	SF PERMITS	RE-BUILDS	% RE-BUILDS
TOTAL	2263	1194	52.76%

YEAR	PERMIT TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	TOTALS
2020 2020 2020 2020 2020 2020	SINGLE FAMILY MULTIPLE FAMILY COMMERCIAL REPAIR DISCONNECT TOTAL	4 0 1 1 7 13	6 0 1 0 1 8	0 0 2 1 0 3	4 0 0 2 6	3 0 3 0 4 10	5 0 2 0 1 8	4 0 0 3 7	3 1 0 2 5 11	4 0 4 4 12	3 0 1 3 7	6 0 1 5 12	1 0 0 0 1	43 1 9 10 35 98
2019 2019 2019 2019 2019 2019 2019	SINGLE FAMILY MULTIPLE FAMILY COMMERCIAL REPAIR DISCONNECT TOTAL	7 0 0 2 9	5 0 1 2 8	8 0 2 1 7 18	6 0 2 0 4 12	19 0 3 0 4 26	12 0 2 3 17	7 0 1 1 6 15	9 0 1 0 8 18	4 0 3 0 0 7	7 0 0 3 10	2 0 1 1 11 15	5 0 1 2 0 8	91 0 14 8 50 163
2018 2018 2018 2018 2018 2018 2018	SINGLE FAMILY MULTIPLE FAMILY COMMERCIAL REPAIR DISCONNECT TOTAL	9 0 2 1 3 15	4 0 4 0 3 11	6 0 1 0 5 12	4 0 2 11 19	10 0 2 1 5 18	16 0 1 1 4 22	7 0 2 3 12	25 0 1 1 5 32	12 0 0 6 18	7 0 2 3 14	2 0 0 3 5	6 0 1 3 10	108 0 15 11 54 188
2017 2017 2017 2017 2017 2017	SINGLE FAMILY MULTIPLE FAMILY COMMERCIAL REPAIR DISCONNECT TOTAL	12 0 1 0 4 17	10 0 2 0 5 17	9 1 1 0 10 21	9 0 1 8 18	8 0 1 0 6 15	7 0 2 0 7 16	6 0 1 0 4 11	5 0 2 11 18	10 0 3 0 6 19	9 0 2 1 4 16	21 0 3 0 4 28	11 0 0 2 13	117 1 16 4 71 209
2016 2016 2016 2016 2016 2016	SINGLE FAMILY MULTIPLE FAMILY COMMERCIAL REPAIR DISCONNECT TOTAL	7 0 2 1 3 13	6 0 1 1 5 13	17 0 2 1 4 24	10 0 1 8 19	10 0 1 4 16	6 0 1 0 5 12	6 1 0 5 12	11 0 1 10 22	6 0 3 0 5 14	8 1 3 6 19	8 0 3 0 11 22	6 0 1 1 5 13	101 2 15 10 71 199

EXHIBIT C DOWNERS GROVE SANITARY DISTRICT - SUMMARY OF SEWER PERMITS ISSUED

Exhibit D 2020 Annexations

LOCATION	NAME	DATE	TSSC	PAID	PERMIT	ACRES	NOTES
5616 Katrine	Pezewski	04/13/20	\$4,372.00	04/15/20	2020-025	1.00	
405 Lindley	Ultsch	09/09/20	\$1,505.00	09/09/20	2020-070	0.19	
1105 Oxford	Prifti	10/14/20	\$1,505.00	10/14/20	2020-084	0.23	
5935 Puffer	Valus	10/27/20	\$1,505.00	10/27/20	2020-087	0.32	
Totals			\$8,887.00			1.74	

Annexations Five Year Comparison

Year	2016	2017	2018	2019	2020
Number of Annexations	15	13	5	7	4
TSSC	\$26,786.00	\$96,422.00	\$15,041.64	\$21,023.88	\$8,887.00
Acres	5.89	14.41	11.02	4.84	1.74

DOWNERS GROVE SANITARY DISTRICT MEMO

TO: Amy Underwood General Manager

FROM: Robert Swirsky Sewer System Maintenance Supervisor

DATE: January 12, 2021

RE: Review of Operations - Collection System Performance for 2020

I have enclosed copies of the following items for your review:

- 1) Annual Sewer Backup Comparisons for 1995 through 2020
- 2) Manhole Overflow and Sewer Backup Summary by Event
- 3) Manhole Overflow and Sewer Backup Summary by Year
- 4) 2020 Public Sewer Blockages
- 5) 2020 Building Service Blockages
- 6) Mainline PACP TV Status Map
- 7) Current I&I Ranking of Flow Metering Basins

CC: WDVB, AES, PWC, RTJ, KJR, MS, WCC, MGP

					1
		PUBLIC	BUILDING	HEAVY RAIN	LIFT
DEDODTING	TOTAL DACK LING			SURCHARGE	
REPORTING	TOTAL BACK UPS	SEWER	SERVICE	SUKCHARGE ***	STATION
YEAR	FOR YEAR ***	BLOCKAGES	PROBLEMS		FAILURE
1995	164	26	136	2	0
1996	765	23	199	542	1
1997	632	24	114	494	0
1998	209	32	137	40	0
1999	227	31	191	5	0
2000	241	29	205	7	0
2001	216	22	132	61	0
2002	190	35	155	0	0
2003	207	27	180	0	0
2004	213	18	193	2	0
2005	328	21	300	7	0
2006	373	13	330	30	0
2007	286	11	275	0	0
2008	418	17	312	101	0
2009	312	19	242	59	0
2010	305	11	285	9	0
2011	280	15	262	3	0
2012	273	14	258	1	0
2013	474	13	322	139	0
2014	311	21	281	9	0
2015	238	11	227	0	0
2016	203	11	188	4	0
2017	242	9	200	33	0
2018	202	8	183	11	0
2019	199	2	192	5	0
2020	263	8	219	36	0
20 year AVE	277	16	238	26	0
5 year AVE	222	8	196	18	0
	•	•	-	-	

DOWNERS GROVE SANITARY DISTRICT ANNUAL SEWER BACK UP COMPARISONS

*** TOTALS FOR YEARS 1996 & 1997 INCLUDES DATA FROM SURVEY RESPONSES

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	5/17/2020	11/1/2019	10/26/2019	9/15/2019	7/18/2019	5/27/2019
PRECIP FOR 24 Hrs	3.13	N/A	2.65	0.79	1.99	1.72
PRECIP FOR 3 PREVIOUS DAYS	2.73	Dry Weather Overflow	2.66	Mainline Blockage Dry Weather Overflow	0.86	0.3
10- day rainfall	6.23	4.39	2.91	OVEILIOW	3.18	3.62
PEAK WWTC FLOW	116.5		86		73.84	75.3
# OF OVERFLOWS	9	1	5	1	1	2
MH LOCATIONS	1M-050 2D-001 1H-005 1H-004 1K-049 G4-007 2A-011 G1-012	N1-025-6	1M-050 2D-001 1H-005 1H-004 1K-049	1K-046	2D-001	2D-001 1K-049

OF BACKUPS

F 6 0 4	Corportor 3	1
	Carpenter	
4013		
	Wilcox	
	Main	
	N. Adams	
	'Main	
	Sixty Second	
	Fairview	
	Prince	
	Bolson	
145 N	I. Hudson	
5615	Brookbank	
4717	Main	
5543	Wilcox	
4518	Prince	
643 I	Ларle	
242 F	ifty Fifth	
34 N.	Adams	
420 ľ	I. Washington	
18 N.	Cass	
5408	Main	
1106	Sixtieth	
4725	Linscott	
4721	Highland	
4031	N. Grant	
4906	Edward	
5416	Cumnor	
6025	Woodward	
324 F	ifty Fifth	
131	I. Hudson	
3944	Main	
	/alley View	
1424	Sixty Second	
301 F	ifty Fifth Place	
4524	Prince	
4417	Highland	

2 5501 Farview Ave 115 S. Grant St

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	4/30/2019	4/29/2019	11/1/2018	2/20/2018	1/26/2018	11/27/2017
PRECIP FOR 24 Hrs	1.51	2.2	N/A	2.3	N/A	N/A
PRECIP FOR 3 PREVIOUS DAYS	2.65	0.56	Dry Weather Overflow	0.64	Dry Weather Overflow	Dry Weather Overflow Liner Installation
10- day rainfall	4.37	2.86		3.23	Liner installation	Liner installation
PEAK WWTC FLOW	88.12	85.59		105.33		
# OF OVERFLOWS	3	1	1	10	1	1
MH LOCATIONS	2D-001 1M-050 1K-049	2D-001	W1-076	1M-050 2D-001 2C-089-1 1H-012 1H-005 1H-004 1K-049 2C-115	3A-014	3A-030

OF BACKUPS

21 212 S. Lincoln 4133 Saratoga 5104 DeWitt 4019 N. Washington 4804 Highland 752 Chicago 18 N. Cass 504 N. Washington 4618 Roslyn 1 N. Cumnor 5730 Main 4924 Washington 115 S. Grant 4618 Roslyn 131 N. Hudson 828 Chicago 4904 Puffer 4540 Highland 3924 Forest 326 Gierz

G1-011 G1-012

DATE OF EVENT	10/14/2017	5/10/2017	4/29/2017	4/27/2017	3/30/2017	3/17/2017
PRECIP FOR 24 Hrs	6.88	1.3	2.38	N/A	1.83	N/A
PRECIP FOR 3 PREVIOUS DAYS	1.21	0.52	0.54	Dry Weather Overflow	0.73	Dry Weather Overflow
10- day rainfall	9.55	2.49	3		2.88	
PEAK WWTC FLOW	105.91	73.3	69.34		70.78	
# OF OVERFLOWS	15	2	2		2	1
MH LOCATIONS	L1-109 1H-012 1H-004 1H-005 1K-049 2A-011 2A-011-A 2D-001 1M-034 1M-049 G1-012 H1-004 H1-005 H4-004 H4-088	1M-049 1K-049	1M-049 2D-001	2A-072	1M-049 2D-001	B1-038-1
# OF BACKUPS	38 1122 60th 115 S Grant 1450 Palmer 1917 B Curtiss 1928 Curtiss 326 Gierz 3902 S Adams 4014 N Grant 4015 N Washington 4018 N Adams 4023 N Grant 4112 N Adams 4023 N Grant 4112 N Adams 4023 N Grant 4112 N Adams 4023 N Grant 4112 N Adams 4023 N Grant 4126 Grand 5501 Fairview 5713 Main 5740 Plymouth 6941 Lyman 7001 Foster 7030 Choster 7030 Choster 7040 View 810 View 810 View 951 Valley View 820 Valley View 820 Valley View 4915 Washington 6909 Galway 4939 Wallbank 4618 Roslyn 1418 62nd 4819 Pershing 4611 Fairview 238 Chicago 3926 N. Lincoln	3 112 N. Lincoln 138 N. Lincoln 305 N. Washington			2 1165 Barberry 122 S. Cass	

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	3/1/2017	8/27/2016	7/29/2016	3/24/2016	8/29/2015	6/15/2015
PRECIP FOR 24 Hrs	1.69	1.1	1.47	N/A	N/A	1.5
PRECIP FOR 3 PREVIOUS DAYS	0	0.47	2.27	Dry Weather Overflow	Dry Weather Overflow	1.93
10- day rainfall	2.12	2.68	5.81			4
PEAK WWTC FLOW	88.54	64.07	68.33			88.4
# OF OVERFLOWS	2	1	2	1	1	2
MH LOCATIONS	1M-049 2D-001	1M-049	1M-049 2D-001	2F-010 2F-011	2G-037	1M-049 2D-001

0

0

OF BACKUPS

2 115 S. Grant 130 S. Lincoln

1165 Barberry 3524 Saratoga

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DATE OF EVENT	5/26/2015	11/28/2014	10/18/2014	8/22/2014	6/30/2014	5/20/2014
PRECIP FOR 24 Hrs	0.57	N/A	N/A	1.52	2.04	1.47
PRECIP FOR 3 PREVIOUS DAYS	0.31 Dry Weather Overflow	Dry Weather Overflow	Dry Weather Overflow	2.15	0.07	0
10- day rainfall	0.88	0001110#	0101110#	3.81	2.97	3.1
PEAK WWTC FLOW				85.66	71.9	67.28
# OF OVERFLOWS	1	1	1	3	1	2
MH LOCATIONS	1A-021	H5-021-90	1H-012	1M-049 1M-050 2D-001	1M-049	1M-049 2D-001

# OF BACKUPS	1	0	8	1	0
	1230 75th				
			4129 Washington	1129 Barberry	
			115 S. Grant		
			117 S. Grant		
			5604 Carpenter		
			200 S. Lincoln		
			5436 Cumnor		
			1928 Curtiss		
			122 S. Lincoln		

DATE OF EVENT	11/22/2013	10/31/2013	4/18/2013	3/10/2013	8/26/2012	2/21/2012
PRECIP FOR 24 Hrs	N/A	2.46	4.67	1.02	3.4	N/A
PRECIP FOR 3 PREVIOUS DAYS	Dry Weather Overflow	0.65	2.59	0.4	0	Dry Weather Overflow
10- day rainfall		3.2	8.61	1.52	3.7	
PEAK WWTC FLOW		75.19	116	74.79	73.26	N/A
# OF OVERFLOWS	1	1	?	1	0	1
MH LOCATIONS	FMCL-001	1M-049	<pre>1M-049 H4-088 2C-089-1 G1-012 1H-005 2D-001 1K-049 2A-011-A 2E-023 unable to verify all locations due to surface flooding</pre>	1M-049		1H-012
# OF BACKUPS			269	1	1	1
			124 N. Lincoln 5505 Dunham 4717 Main 5505 Fairview 1928 Curtiss 4936 Francisco 17 W. Naperville 6021 Grand 4832 Saratoga 6035 Dunham 3840 Florence 5320 Benton 5300 Blodgett 6941 Lyman 4535 Elm 130 N. Williams 6121 Carpenter 5236 Fairmount 917 Blanchard 301 55th 4915 Washington 3944 Main 1130 Franklin 4823 Prince 3946 Elm 1925 Prairie 3524 Saratoga 123 N. Washington 1141 Valley View 4710 Saratoga 200 S. Grant 4945 Highland 5235 Fairmount 428 S. Cass 5310 Lyman 1424 62nd 6133 Dunham 2045 Prairie	117 S. Grant	1129 Barberry	310 Otis

DATE OF EVENT	6/9/2011	5/25/2011	3/5/2011	1/31/2011	12/31/2010	12/14/2010
PRECIP FOR 24 Hrs	2.49	N/A	N/A	N/A	0.89	N/A
PRECIP FOR 3 PREVIOUS DAYS	0.27	Dry Weather Overflow	Dry Weather Overflow	Dry Weather Overflow	0.55	Dry Weather Overflow
10- day rainfall	2.95				1.46	
PEAK WWTC FLOW	77.56	N/A	N/A	N/A	52.38	N/A
# OF OVERFLOWS	6	1	2	1	0	1
MH LOCATIONS	1M-049 H1-003* H1-004* H1-005* 2D-001 1K-049 * Lift Station Failure	V3-049	V-4-112 V-4-060	1H-055		L1-051

# OF BACKUPS	3	2	1	1
	5701 Webster	3840 Florence	405 Grant	1129 Barberry
	4111 Roslyn	3831 Florence		
	1165 Barberry			

MANHOLE OVERFLOW AND SEWER BACKUP HISTORY -

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	8/3/2010	7/24/2010	6/23/2010	6/2/2010	5/10/2010
PRECIP FOR 24 Hrs	1.65	2.86	0.97	1.95	N/A
PRECIP FOR 3 PREVIOUS DAYS	1	0.79	0.59	1.26	Dry Weather Overflow
10- day rainfall	4.65	3.65	2.07	3.61	Overiiow
PEAK WWTC FLOW	73.52	88	71	92.98	N/A
# OF OVERFLOWS	1	б	1	5	1
MH LOCATIONS	1M-049	1M-049 1H-012 1H-005 1H-004 1K-049 G4-004-A	1M-049	1M-049 2D-001 1K-046 2A-011-A G1-012	1D-062

OF BACKUPS

0

4032 N. Grant 4020 Liberty 3941 Main 4031 N. Grant

4

5533 Washington 335 S. Park 115 S. Grant 109 N. Williams

DOWNERS GROVE SANITARY DISTRICT - OVERFLOW BACKUP HISTORY

DATE OF EVENT	10/30/2009	8/28/2009	3/8/2009	2/26/2009
PRECIP FOR 24 Hrs	1.32	N/A	2.21	2.46
PRECIP FOR 3 PREVIOUS DAYS	0.78	DRY WEATHER OVERFLOW	1.34	0.13
10- day rainfall	4.81		6.04	3.02
PEAK WWTC FLOW	71.05	N/A	83.04	92.57
# OF OVERFLOWS	2	1	12	6
MH LOCATIONS	1M-049 G1-012	H3-002-2	1M-049 H1-004 H1-005 1H-005 1K-049 G1-012 G1-015 2A-011-A	1M-049 H1-004 H1-005 1H-005 1K-049 L1-001

OF BACKUPS

0

39

1M-056-A G4-004-A C1-009 H6-050

18

4727	Fairview
4715	Fairview

33	10
1922 A Curtiss	61 G D
	616 Rogers
1224 Brookside	125 Eight 212 Lincoln
917 Chicago	335 S. Park
100 Chicago 221 Chicago	335 S. Park 101 N. Park
1924 Curtiss	430 Rogers
1926 Curtiss	100 Chicago
4132 Elm	1240 Gilbert
5729 Fairmount	221 Chicago
1441 Golden Bell	521 N. Park
301 Indianapolis	307 N. Washington
231 James	420 N. Washington
235 James	1125 Barneswood
5548 Lyman	115 S. Grant
5536 Lyman	5436 Cumnor
5549 Lyman	1924 Curtiss
5544 Lyman	4004 Washington
	200 W. Chicago
123N. Washington	
420N. Washington	
4015N. Washington	
3100gden	
4620Pershing	
4604Pershing	
1725Prairie	
4151Roslyn	
117S. Grant	
335S. Park	
1125Sixty Second PL	
1020Sixty Second PL	
743Sixty Seventh St	
34W. Fifty Fifth PL	
38W. Fifty Fifth PL	
29W. Fifty Fifth St	
5701Webster	
5704Webster	
116West End	
4119Williams	
4636Wilson	

YEAR	2020	2019	2018	2017	2016 2015	2014 201	3 2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993 1992	1991 1990	1989 TOTALS AVERAGES
NUMBER OF EVENTS	1	7	3	6	4 3	8	4 2	4	7	4	9	4	9	5	7	4	11	2	4	11	8	2	3	6	4	5 2	3 4 3 4	0 155 5.0
DRY WEATHER DRY WEATHER		2	1	5	3 1	2	3 1 1 1	1	2	3	6	3	7	3	5	3	3	2	1 3	8	6	2	3	6	4	5 2	3 4	0 110 3.5 0 47 1.5
TOTAL PRECIPITATION	39.63	56.22	44.57	42.23	42.28 38.93	39.04 47.2	1 26.16	43.13	40.11	45.1	47.45	36.06	47.08	26.1	37.31	32.63	29.23	33.98	33.98	31.38	45.05	34.18	37.50	29.87	33.03	40.83 30.34	39.06 43.12	25.19 38.01
MANHOLE OVERFLOWS																												1
MANHOLE OVERFLOWS 1M-050 1-M-49 2-C-89-1	1	2	1	5	2 1	3 3		1	4	3	6	3	7	2	5	3	3	2	1	8	6	2	3	5	2	5 2	3 4	94 4.95
2-C-89-1 1-H-5	1	1	1	1		1			1	2	2		1				1	1	1	2	2	1	3	5	1	5 2	2 2	24 1.26 24 1.26
1-K-49	1	3	1	2		1		1	1	2	2		1				1	1	1	3	1	1	3			2	2 1	26 1.37
1-H-4 H-1-4	1	1	1	1				1	1	2	1		1	1	1	2	1	1	1	2	2	1	2	2		1	1 2	18 0.95 27 1.42 18 0.95
1-H-12 2-C-115 2-D-1			1	1			1		1		1		1		1		1	1	1	4	2	1	1	2		2 2	2 2	18 0.95 13 0.68
2-C-115 2-D-1	1	5	1	4	1 1	2 1		1	1		1	2	5	1	5		2	2	1	2	2	1				2 2	2 2	35 1.84
G-4-4A 1-G-14									1	1	1							2				1	2	1		1	2	9 0.47 5 0.26
1-H-36 2-C-80																							1				1 2	4 0.21
H-1-3								1					1					1			3	1					1 2	6 0.32
H-4-4 H-4-6				1							3							1			1	1	1					5 0.26 7 0.37
H-6-1											1										2		1					5 0.26
1-A-128 1-L-19																						1	1				1	3 0.16 3 0.16
1-N-67				1		1			,]		2							1				1	2					3 0.16
2-A-11A 2-F-28A		1		^		1	1		-		4							1				1	1				1 1	3 0.16
2-G-16 B-1-23 (DWO)																	2		L		1	1					2	3 0.16 3 0.16
H-4-5																		1			1	1						3 0.16
H-4-7 H-4-88	1			1		1					1										1	1	1					4 0.21 8 0.42 2 0.11
1-B-25 (DWO) 1-B-25B (DWO)		-					+	-									2										+ +	2 0.11 2 0.11
1-B-93							1						I				^					1					1	2 0.11
2-A-18 (DWO) 2-A-19 (DWO)																			1	1								2 0.11 2 0.11
2-A-20 (DWO) 2-D-40-1			T																1	1					1	1		2 0.11 2 0.11
2-F-10		1			1		1													1		1			*	-		3 0.16
G-1-12 G-5-5	1		1	1		1			1	1	1											1	1				2	7 0.37 2 0.11
H-1-5				1				1		2	5	1		1	1							1	1					14 0.74
H-4-3 H-6-2																				1	1	1	1					2 0.11 2 0.11
L-1-109 VENARD PS FM				1											1		1		1				1				1	3 0.16 3 0.16
1-A-21 (DWO)					1												1											2 0.11
1-B-63 1-B-65																					1							1 0.05 1 0.05
1-C-65 1-D-25-1 (DWO)																	1										1	1 0.05 1 0.05
1-F-3																	-									1		1 0.05
1-G-17 1-H-1																							1				1	1 0.05 1 0.05
1-H-6																											1	1 0.05
1-K-46 (DWO) 1-L-19-1		1							1								-										1	2 0.11 1 0.05
1-M-14 1-N-44 (DWO)																1		1										1 0.05 1 0.05 1 0.05 3 0.16 3 0.16
2-A-11 2-A-11A	1			1									1														1	3 0.16 3 0.16
2-A-11A 2-A-56 (DWO) 2-C-106A								1		1			1							1								3 0.16 1 0.05 1 0.05
2-C-106A 2-C-81																1		1										1 0.05 1 0.05
2-E-23						1																					1	2 0.11
2-E-39 2-E-40																						1						1 0.05
2-F-11 2-F-12			-				1													1								2 0.11 1 0.05
2-G-21																						1						1 0.05
B-1-6 (DWO) B-1-6A (DWO)																					1							1 0.05 1 0.05
B-1-7 (DWO) B1-038-1 (DWO)			-1	1			1													<u> </u>	1							1 0.05
B-1-24-2 (DWO)														1														1 0.05
C1-009 C-1-27 (DWO)										1									1									1 0.05 1 0.05
E-1-15 E-1-24			<u> </u> −]						F]					<u> </u>	\square							1	1 0.05 1 0.05
E-1-25 (DWO)													1															1 0.05
G-1-15 G-2-35 TO G-2-63										1			L							1		1						2 0.11 1 0.05
G-2-35 TO G-2-63 G-4-6 G-4-007	1		$\vdash \neg$			+ T			-																-		1	1 0.05 1 0.05
G-5-12 G-5-51	-	1					1																				1	1 0.05
G-5-6																		1									1	1 0.05
G-5-7 G-5-8																						1						1 0.05 1 0.05 1 0.05
G-5-80																					1	1						1 0.05
G-6-2 (DWO) H-3-49		-	╞──┨				1							1								1					+ +	1 0.05
H-4-1																			[1	_						1 0.05
H-4-2 H-7-33-3 L-1-110																					1		1					1 0.05
L-1-110 L-1-111			T						— F									\vdash		\vdash		1					+ $+$ $-$	1 0.05 1 0.05
L-1-111 L1-051 (DWO)							1		1																			1
L-1-50 L-1-55																		1									1	1 0.05 1 0.05
L-1-9 N-1-10											-												1				1	1 0.05
N-1-13																						1						1 0.05 1 0.05
N-1-7 N-1-9 (DWO)																	2										1	1 0.05 1 0.05
N-1-25-6 (DWO)		1																										
V-3-105 V-4-060 (DWO) V-4-112 (DWO)								1					L		1							1						1 0.05 2 0.11
V-4-112 (DWO) B-1-023 (DWO)								1							1												+	2 0.11 2 0.11
H-1-025 (1980)			· · · · · ·			· · · · ·																					· · · ·	0.05

		2020	2019	2018 2017 201	6 2015	2014	2013 20	12 2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998 1997	1996 1995	1994	1993	1992	1991	1990	1989	TOTALS	AVERAGES
	3-A-85 (DWO) H-1-015				-			_				1	1																1	0.05
	1A-128										1																		1	0.05
	G1-012 L1-038		ł	1	_			_		1	2																		3	0.15
	B1-001 (DWO)										1																		1	0.05
	H5-021-89 (DWO)				_			_			1																		1	0.05
	H5-021-90 (DWO)					1				1																			1	0.05
	L1-001 H3-002-2 (DWO)									1																			1	0.05
	1N-056-A W1-072 (DWO)				_					1																			1	0.05
	HE-050									1	1																		1	0.05
	H6-050 1D-062 (DWO)								1																				1	
	1H-055 (DWO) V3-049				-			1																					1	
	FMCL-001 (DWO)					1																							1	
	1H-012 (DWO)					1																							1	
	2G-037 (DWO) 2A-072 (DWO)			1	1																								1	
	1M-034			1																									1	
	3A-030 (DWO) 3A-014 (DWO)			1																									1	
	W1-076 (DWO)			1																										
	TOTAL	9	14	12 26 5	4	7 1	2 1	11	15	21	43	7	23	7	16	7	21	22	12	31	36 41	37 17	4	21	7	20	38	0	431	25.35
SEVER	BACKUPS				-		_	_																						
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	234 3RD 318 4TH																						1						1	0.05
	318 4TH	1						_																		1			1	0.05
	317 5th 126 7th	1			+			-	1	1			1										\vdash			-			1	0.05
	326 6TH										1																		1	0.05
	341 6TH 125 8TH							_		1																	1		1	0.05
\vdash	145 6TH 327 8TH	1	++		+			-		· ·											1		⊢ +						1	0.05
	327 BTH 3004 38th												1																1	0.05
	3115 38th		──┤		-	$ \rightarrow $				+			1										\vdash						1	0.05
\vdash	916 40TH 29 W 55TH PL	1			1			-		1									<u> </u>		1								1	0.05
	34 W 55TH PL																												1	0.05
	38 W 55TH PL 46 W 55 PL	+	┥──┤		+	↓		-		+													⊢ -						2	0.10
	118 55TH ST	1			1													1			1	1					1		4	0.05
	113 55TH ST																					i							1	0.05
	122 55TH ST 830 55TH ST		┝───┤		+	+ + + + + + + + + + + + + + + + + + +		-		-											1	1							1	0.05
	201 56TH ST																	1											1	0.05
	300 56TH ST				+	$+ - \overline{-}$		_		-					1			1				1	L – T				1		4	0.20
E+	221 56TH ST 246 56TH ST																				1	1							1	0.05
	246 56TH ST 1106 60TH PL										1						_												1	0.05
\vdash	1122 60TH PL 1106 60TH ST		+	1	+	+	_			+											1								1	0.05
	1110 60TH ST																				1								1	0.05
	912 61ST ST		\vdash			+		_		-	1								-T			1							2	0.10
	913 61ST ST 931 61ST ST																					1						-	1	0.05
	1020 62ND PL									1												1				1	1		4	0.05
	1040 62ND PL 1108 62ND PL				-			_														1							1 5	0.05
	1109 62ND PL										~										-	1							1	0.05
	1112 62ND PL				-																	1							1	0.05
	1121 62ND PL 1125 62ND PL									1											1		1				1		3	0.15
	1129 62nd PL												1																1	0.05
	1133 62ND PL				-			_																			1		1	0.05 0.10 0.05
	1501 62ND ST 660 62ND ST 661 62ND ST 740 62ND ST																				1						-		1	0.05
	661 62ND ST				-						1							1			1						1		3	0.15
L	740 62ND ST 1418 62ND ST			1														1											1	0.05
	1424 62ND ST	T				r i						_								_	1	1		-			1		3	0.05
\vdash	1430 62ND ST 1513 62ND ST	<u> </u>	<u>├</u> ──┤		+					1			I									1	⊢ +		+		1		1	0.05
	1513 52ND ST 636 63RD ST 743 67TH ST									· · ·								1											1	0.05
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	4011 N ADAMS							_		+		_									1	1					$- \top$		2	0.10
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	4012 N ADAMS				1													1											1	0.05
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	4100 N Adams										1																<u> </u>		1	0.05
	27 S Adams	1								1	1													_					1	0.05
		1	┝───┤		+	+		-		-	- 1																1		1	0.05
	113 S Adams				-	1 1																					1		1	0.05
	210 S ADAMS 5712 AUBREY																										_			0.05
	210 S ADAMS 5712 AUBREY 407 AUSTIN							_											-		1					-	-	_	1	
	210 S ADAMS 5712 AUBREY 407 AUSTIN 417 AUSTIN 1132 BARBERRY CT																				1		1				1		1 1 1	0.05
	210 S ADAMS 5712 AUBREY 407 AUSTIN 417 AUSTIN 1132 BARBERRY CT 1129 BARBERRY CT					1	1		1												1		1				1		1	0.05
	210 S ADAMS 5712 AURBEY 407 AUSTIN 417 AUSTIN 417 AUSTIN 1132 BARBERRY CT 1129 BARBERRY CT 1155 BARBERRY CT			1	1	1	1		1	1											1		1				1		1	0.05
	210 S ADAMS 5712 AUBERY 407 ADSTIN 417 ADSTIN 417 ADSTIN 1129 BAREBERY CT 1128 BAREBERY CT 1125 Barery CT 1125 Barery CT 1125 Bareney				1	1	1		1	1											1		1				1		1	0.05
	210 & ADAMS 512 AURERY 417 AURTIN 417 AURTIN 112 BARERERY CT 1128 BARERERY CT 1125 Barneswood 4507 Belmont 4513 ERLowtT				1	1	1		1	1											1		1				1		1 1 1 0 1	0.05
	210 S. ADAMS 210 S. ADAMS 407 ANGTIN 417 ANGTIN 417 ANGTIN 1129 BARBERRY CT 1129 BARBERRY CT 1125 Barberry CT 1125 Barberry CT 1125 Barberry CT 4125 Barberry CT 4251 BELMONT 4251 BELMONT			1	1		1		1	1								1			1		1						1 1 1 0 1 1	0.05
	210 # ADAMS 210 # ADAMS 407.1 ANDTIN 407.1 ANDTIN 407.1 ANDTIN 1132 BABREERY CT 1135 Balanberry CT 1135 Balanberry CT 1135 Balanberry CT 1135 Balanberry CT 1135 Balanberry CT 1135 Balanberry CT 1137 Balanberry CT 1138 Balanberry CT 1139 Balanberry CT				1	1	1		1	1								1			1		1				1		1 1 0 1 1 1 1	0.05 0.05 0.05 0.05 0.05 0.05 0.05
	210 S. ADMMS 2712 ATREPY 407 AUSTIR 417 AUSTIR 417 AUSTIR 1135 BAREBERY CT 1135 BAREBERY CT 1135 BAREBERY CT 1135 BAREBERY CT 1135 BAREBERY CT 1135 BAREBERY CT 4577 BEINGT 5131 BEINGT 5138 BERTON 5245 BERTON 5258 BERTON 525				1				1	1 1	1							1					1				1		1 1 0 1 1	0.05 0.05 0.05 0.05 0.05 0.05 0.05
	214 S. ADAMS 213 AUGUSTIK 407 AUSTIK 407 AUSTIK 407 AUSTIK 1132 AARSHEY CT 1135 AUSTROYCO 4077 AUSTROYCO 4077 AUSTROYCO 4077 AUSTROYCO 407 AUSTROYCO 407 AUSTROYCO 403 AUSTROYCO 403 AUSTROYCO 403 AUSTROYCO 403 AUSTROYCO 403 AUSTROYCO 404 AUSTROY				1				1		1							1			1						1		1 1 0 1 1 1 1	0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.25 0.05
	214 S. ADAMS 213 A STANDARY A07 AUSTIN 407 AUSTIN 407 AUSTIN 1132 BARENY CT 1145 BARENY CT 1155 BARENY				1				1		1							1			1	1					1		1 1 0 1 1 1 1 5 1 2 1	0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.25 0.05 0.25 0.05 0.10 0.05
	21.8 # ANAME 21.8 # ANAME 427 ANDETH 427 ANDETH 427 ANDETH 427 ANDETH 427 ANDETH 428 ANDETH 428 ANDETH 428 ANDETH 428 ANDETH 428 ANDETH 428 ANDETH 428 ANDETH 428 ANDETH 428 ANDETH 429 ANDETH 429 ANDETH 420 ANDETH 42				1				1		1							1			1						1		1 1 0 1 1 1 1 5 1 2 1 1 1 1 1 1 1 1 1 1 1 1	0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05
	21.0 & ADAME 21.2 & ADAME 20.7 AUSTIK 20.7 AUSTIK 21.7 AUSTIK 21.7 AUSTIK 21.7 AUSTIK 21.7 AUSTIK 21.7 AUSTIK 21.7 AUSTIK 21.8 AUSTIK 21.				1				1		1							1			1	1					1		1 1 0 1 1 1 1 5 1 2 1	0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05
	212 # ADAMS 212 # ADAMS 427 AUSTIN 427 AUSTIN 427 AUSTIN 428 AUSTIN 1128 BARDERY CT 1128 BARDERY CT 1128 BARDERY CT 1128 BARDERY CT 1128 BARDERY CT 1128 BARDERY CT 129 AUSTIN 429 BARDERY CT 121 BARDERY 440 BARDERY 121 BARDE				1						1							1 1			1	1					1		1 1 0 1 1 1 1 5 1 2 1 1 1 1 1 1 1 1 1 1 1 1	0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05
	214 S ADAME 214 S ADAME 217 AUSTIK 217 AUSTIK 217 AUSTIK 2113 BARRENY CT 2113 BARRENY CT 2113 BARRENY CT 2113 BARRENY CT 2113 BARRENY CT 2113 BARRENY CT 2124 BARRENY CT 2125 BARRENY 212 BARRENY 212 BARRENY 212 BARRENY 212 BARRENY 212 BARRENY 212 BARRENY 212 BARRENY 212 BARRENY 212 BARRENY 213 BARRENY 213 BARRENY 214 BARRENY 215 B				1					I	1							1			1	1					1		1 1 1 1 1 1 1 5 1 1 2 1 1 1 1 1 1 1 2 2 2	0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05
	212 # ADAMS 212 # ADAMS 427 AUSTIN 427 AUSTIN 427 AUSTIN 428 AUSTIN 1128 BARDERY CT 1128 BARDERY CT 1128 BARDERY CT 1128 BARDERY CT 1128 BARDERY CT 1128 BARDERY CT 129 AUSTIN 429 BARDERY CT 121 BARDERY 440 BARDERY 121 BARDE										1										1	1					1		1 1 0 1 1 1 1 5 1 2 1 1 1 1 1 1 1 1 1 1 1	0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05

YEAR	2020 2019	2018	2017	2016	2015 201	4 2013 2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002 :	2001	2000 1	999 1998	1997 1996	1995	1994	1993 1	1992	1991 1990	1989 TOTALS	AVERAGES
5720 BUCK CT						+ $+$ $-$													-	1						1	0.05
5724 BUCK CT																				1						1	0.05
5724 BUCK CT 431 BURNING 26 W BURLINGTON 6811 CAMDEN					_	+														1					1	1	0.05
6811 CAMDEN																				1						1	0.05
6843 CAMDEN 6849 CAMDEN																				1						1	0.05
1061 Candlewood 19W744 CAROL						\square						1														1	0.05
19W744 CAROL 19W750 CAROL																			1	1 1		1			1	2	0.10
19W758 CAROL						+														1 1					1	3	0.15
19W775 CAROL 5226 Carpenter												1													1	1	0.05
5600 CARPENTER 5604 CARPENTER						+						1								1						2	0.10
5944 CARPENTER					-															1						1	0.05
6040 CARPENTER 6121 CARPENTER						+				1										1						1	0.05
8 N CASS																				1						1	0.05
18 N CASS 38 N CASS					_	+ $+$ $-$											1			1						1	0.05
118 N CASS																				1						1	0.05
132 S CASS 122 S. Cass			1							1										1 1						3	0.15
128 S CASS						+-												_			1					1	0.05
340 S.Cass								2										1	1						1	3	0.15
428 S CASS						+				1										1						2	0.10
112 S CASS 112 S. Cass 112 S. Cass 250 N CASS 340 S. Cass 440 S. Cass 428 S CASS 4010 N CASS 100 Chicago									2	1							4	1	-	-						3	0.20
200 CHICAGO 221 Chicago	<u>↓ </u>					+	+		2					\vdash			-+	<u> </u>		<u>├ </u>				\rightarrow	1	1	0.05
238 Chicago			1				1																			, î	
300 CHICAGO 301 CHICAGO						+	+			,				\vdash			-+	1		1			1	-+	1	3	0.15
207 CHICAGO						+				*							2	*								2	0.10
321 CHICAGO 327 CHICAGO	+ +	-				+-+	+							\vdash						1 1	+ - +					1	0.05
321 CHICAGO 327 CHICAGO 645 CHICAGO 721 CHICAGO						\square	L													1						1	0.05
721 CHICAGO 733 Chicago			1																	1						1	0.05
733 Chicago 737 CHICAGO 752 Chicago		F	1			\square	-										1									1	0.05
832 CHICAGO			<u>_</u>									1					1									1	0.05
832 CHICAGO 904 CHICAGO 917 Chicago	+	-				+	-												_	1	+			_		1	0.05
926 CHICAGO																									1	1	0.05
917 Chicago 926 CHICAGO 2033 CHICAGO 136 W CHICAGO 200 W CHICAGO 911 CHICAGO 911 CHICAGO 911 CHICAGO		-				+	-			1										+ $ -$					1	2	0.10
200 W CHICAGO									1	1									1	1					1	1	0.05
208 W CHICAGO 912 CLAREMONT	+ +			\vdash		+-+-	-							\vdash						1 ,						1	0.05
4834 Cornell						\pm	1	1																		1	
630 CRESCENT						+ +	+				-	1		├ ── ├						1	+ - +					1	0.05
11 N CUMNOR 4637 CUMNOR 5140 Cumnor																				1						1	0.05
5140 Cumnor 5201 CUMNOR 5335 Cumnor																	1									1	0.05
5335 Cunnor		-				+	-					1														1	0.05
5340 CUMNOR 5400 CUMNOR																	1								1	1	0.05
5436 CTIMNOR					1	+			1					<u> </u>			, T		1	1						2	0.10
5510 CUMNOR																	*			1						1	0.10
5507 CUMNOR 5510 CUMNOR 5525 CUMNOR 5600 CUMNOR	+ +	-				+ +								\vdash				<u> </u>	1	1	+ - +		<u>├</u>		1	1	0.05
1 N CUMNOR 805 CURTISS 1008 CURTISS 1900 CURTISS						\square																			1	1	0.05
805 CURTISS 1008 CURTISS						+-+														1						1	0.05
1900 CURTISS 1917 B Curtiss			1			+														1						1	0.05
1922 A Curtiss																										1	0.05
1924 Curtiss 1926 Curtiss	+					+			2	1										+						2	0.10
1928 Curtiss			1		1																					2	0.10
5525 Dunham		-				+	1	_		1		1														2	0.10
5445 DUNHAM 5513 DUNHAM																							1		2	2	0.10
5513 DUNHAM 5525 DUNHAM		-				+	-																		1	1	0.05
4107 EARLSTON 4008 ELM																				1					*	1	0.05
4132 ELM 4505 ELM	+					+	-		1					\vdash			1			<u>├ </u>				-+	1	2	0.10
4516 ELM						\mp	1										_								1	1	0.05
4525 ELM	+ +	I			- -	+-+	+										1	1			+ +				1	1	0.05
4601 ELM							1					1					1								-	1	0.05
4601 ELM 4605 Elm							-													1						1	0.05
4601 ELM 4605 Elm 4613 ELM					_																1 1						
4601 ELM 4605 Elm 4613 ELM																				1					1	2	0.05
4605 ELM 4605 ELM 4613 ELM 4625 ELM 5325 PAIRNOURT 5729 FAIRNOURT									1			,								1					1	1 2 1 2	0.05 0.10 0.05 0.10
4601 EIM 4603 EIm 4613 EIM 4625 EIM 5225 FAIRMOUNT 5729 Fairmount 6201 FAIRMOUNT 6204 Fairmount									1	-		1								1					1	1 2 1 2 1	0.10 0.05 0.10 0.05
4605 IEM 4605 ELM 4605 ELM 4613 ELM 4613 ELM 5135 FAI EMOUNT 5129 FAI FROUNT 6204 FAI FROUNT 6204 FAI FROUNT 6204 FAI FROUNT 6213 FAI FROUNT 6514 FAI SROOT									1	1		1											1		1	2	0.10 0.05 0.10 0.05 0.05
4605 IEM 4605 ELm 4615 ELm 4625 ELm 4625 ELM 4625 ELM 4625 ELM 4626 ELM 4620 FAIRWOINT 4620 FAIRWOINT 4620 FAIRWOINT 4621 FAIRWOINT 4621 FAIRWOINT 4626 FAIRWOINT									1	-		1					1		1				1		1	2	0.10 0.05 0.10 0.05
4605 HM 4605 Hm 4613 HM 4613 HM 5375 FAIRMONT 5725 FAIRMONT 5726 FAIRMONT 6204 FAIRMONT 6204 FAIRMONT 4516 FAIRMONT 3700 FAIRMINN 4507 FAIRMONT									1	1		1					1		1				1		1	2	0.10 0.05 0.10 0.05 0.05 0.05 0.20 0.10
400 EM 405 EM 401 EM 401 EM 403 FAIRONT 103 FAIRONT 403 FAIRONT 404 FAIRONT			1						1	-		1					1		1				1		1	2	0.10 0.05 0.10 0.05 0.05 0.05 0.20 0.10 0.05
4600 EM 4605 EM 4615 EM 4625 EM 4625 EM 4625 EM 4626 FAINTONE 4626 FAINTONE 4626 FAINTONE 4626 FAINTONE 4626 FAINTONE 4621 FAINTONE 4621 FAINTONE 4611 FAINTONE 4611 FAINTONE			1						1	-		1					1						1		1	2	0.10 0.05 0.10 0.05 0.05 0.20 0.10 0.05 0.05
460.0 EM 460.5 EM 461.5 ELM 462.5 ELM 452.5 ELM 51.5 FAIBOORT 51.7 FAIBOORT 51.7 FAIBOORT 62.6 FAIBOORT 62.6 FAIBOORT 62.7 FAIDOORT 62.6 FAIBOORT 62.7 FAIDOORT 62.7 FAIDOORT 63.7 FAIDOORT 63.7 FAIDOORT 63.1 FAIDOORT 63.7 FAIDOORT 63.7 FAIDOORT 63.7 FAIDOORT 63.7 FAIDOORT			1							-		1					1	1								2 1 1 4 2 1 1 1 1 1 1 1 1	0.10 0.05 0.10 0.05 0.05 0.05 0.20 0.10 0.05 0.05 0.15 0.25
4605 EM 4605 EM 4615 EM 4615 EM 4615 EM 4617 EM 461			1							-		1					1	1								2 1 1 4 2 1 1 1 1 1 1 1 1	0.10 0.05 0.10 0.05 0.05 0.05 0.20 0.10 0.05 0.15 0.25 0.25 0.10
4605 EM 4605 EM 4611 EM 4611 EM 4611 EM 4612 EM 4612 EM 4614 EM 4614 EM 4614 EM 4614 EM 4614 FAITOMAT 4614 FAITOMAT 4614 FAITOMAT 4614 FAITOMAT 4614 FAITOMAT 4611 FAITOMAT 4611 FAITOMAT 4614 FAITOMA			1							1 1		1					1	1								2 1 1 4 2 1 1 4 2 1 1 3 5 1 1 2 1	0.10 0.05 0.10 0.05 0.05 0.05 0.20 0.05 0.15 0.15 0.25 0.10 0.05
4605 HM 523 Falmount 524 Falmount 631 Falmount 641 Falmount 641 Falmount 641 Falmount 641 Falmount 641 Falmount 641 Falmount 642 Falmount 643 Falmount 644 Falmount 645 Falmount 646 FALMOUNT 647 FALMOUNT			1						1 	-		1	1				1	1								2 1 1 4 2 1 1 1 1 1 1 1 1	0.10 0.05 0.10 0.05 0.05 0.20 0.10 0.05 0.15 0.25 0.25 0.25 0.25 0.25 0.05
4605.000 4605.000 4607.000 4607.000 4607.000 5326.762000 5326.762000 5327.762000 5326.762000 5326.762000 6307.762000 6307.762000 6317.762000 6317.762000 6317.762000 6317.762000 6317.762000 6317.762000 6317.762000 6317.762000 6317.762000 6317.762000 6317.762000 6317.7720000 6317.7720000 6317.7720000 6317.7720000 6317.7720000 6317.7720000 6317.7720000 6317.7720000 6327.7720000									۲ 	-		1	1				1	1		1						2 1 1 1 4 2 1 1 3 5 5 1 2 1 1 5 5 5 5 5 5 5	0.10 0.05 0.10 0.05 0.05 0.20 0.10 0.05 0.15 0.25 0.25 0.25 0.25 0.25 0.25 0.25
4605.004 4605.004 4601.004 4601.004 4602.004 4603.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4614.004 4614.004 4614.004 4614.004 4614.004 4614.004 4614.004 4614.004 4614.004 4614.004 4614.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 <t< td=""><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>1 </td><td>1</td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>2 1 1 1 4 2 1 1 3 5 5 1 2 1 1 5 5 5 5 5 5 5</td><td>0.10 0.05 0.05 0.05 0.05 0.20 0.10 0.05 0.15 0.25 0.15 0.25 0.10 0.25 0.10</td></t<>			1						1 	1		1	1							1						2 1 1 1 4 2 1 1 3 5 5 1 2 1 1 5 5 5 5 5 5 5	0.10 0.05 0.05 0.05 0.05 0.20 0.10 0.05 0.15 0.25 0.15 0.25 0.10 0.25 0.10
4605.004 4605.004 4601.004 4601.004 4602.004 4603.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4604.004 4614.004 4614.004 4614.004 4614.004 4614.004 4614.004 4614.004 4614.004 4614.004 4614.004 4614.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 4727.004 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.10 0.05 0.05 0.05 0.05 0.05 0.05 0.00 0.10 0.1</td></t<>										1		1	1							1							0.10 0.05 0.05 0.05 0.05 0.05 0.05 0.00 0.10 0.1
4601 FW 4605 FW 4605 FW 4601 FW 4601 FW 522 FAIDOURT 522 FAIDOURT 522 FAIDOURT 522 FAIDOURT 522 FAIDOURT 523 FAIDOURT 524 FAIDOURT 525 FAIDOURT 521 FAIDOURT 521 FAIDOURT 523 FAIDOURT 524 FAIDOURT 525 FAIDOURT 521 FAIDOURT 431 FAIDOURT 432 FAIDOURT 433 FAIDOURT 434 FAIDOURT 435 FAIDOURT 435 FAIDOURT 437 FAIDOURT 438 FAIDOURT 531 FAIDOURT 532 FAIDOURT 533 FAIDOURT 534 FAIDOURT 535 FAIDOURT									1			1	1							1					2		0.10 0.05 0.10 0.05 0.05 0.05 0.05 0.05
4407 TM 4405 TM 4405 TM 4518 T									1 	-		1 3 1	3				1			1			2 2 2		2		0.10 0.05 0.05 0.05 0.05 0.05 0.05 0.00 0.10 0.1

2020

YEAR

YEAR	2020	2019	2018	2017	2016	2015	2014 2013 2013	2011 2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996 1995	1994	1993	1992 1991	1990	1989 TOTALS	AVERAGES
4820 Forest			1					İ. İ.				1															2	0.10
4929 FOREST																	1					-					1	0.05
7001 Foster 7020 FOSTER			-	1				<u> </u>		· ·	I					<u> </u>		I			-				<u> </u>	I	1	0.05
7020 FOSTER 419 FRANKLIN				1																	1	1					2	0.05
813 FRANKLIN																										1	1	0.05
819 Franklin																											1	0.05
831 FRANKLIN 1122 FRANKLIN																	1										1	0.05
1125 FRANKLIN																				1							1	0.05
1115 GILBERT																										1	1	0.05
326 Gierz 1240 Gilbert				1		-			1	1																1	2	0.10
1307 Gilbert										1																	1	0.05
1310 Gilbert																											1	0.05
1331 GILBERT 1441 Golden Bell																										1	1	0.05
5143 Grand				1																								
5929 Grand												1															1	0.05
213 GRANT																					1	1				1	3	0.15
229 GRANT 405 Grant								h.													1						1	0.05
739 GRANT 123 N Grant																					1					1	2	0.10
																											1	0.05
504 N GRANT 513 N GRANT						-																				1	1	0.05
520 N GRANT																					1						1	0.05
4008 N GRANT																						1			2		3	0.15
4010 N GRANT 4017 N Grant	1		1	1															1		-	1				1	2	0.10
4023 N Grant				1																								
4031 N Grant											L															L	1	0.05
105 S GRANT 111 S GRANT								<u> </u>				-									1	1				<u> </u>	2	0.10
111 S GRANT 115 S GRANT		1		1	1		1		1												1			-			2	0.05
117 S Grant							1								_													
123 S GRANT 126 S GRANT			-					<u> </u>				<u> </u>				-				1						<u> </u>	1	0.05
238 S GRANT																	1					*					4	0.05
1231 GREGORY																						1				1	1	0.05
3471 Hickory			-	-	 − +			<u> </u>				1				<u> </u>		I			-				<u> </u>	I	1	0.05
3905 HIGHLAND 3928 HIGHLAND										1							1							1			2	0.05
3932 HIGHLAND																	1			1		1				1	3	0.15
3940 HIGHLAND 4236 HIGHLAND			-			_					-									1						+	1	0.05
4236 HIGHLAND 4435 HIGHLAND																					1	1					1	0.05
4943 Highland			-	1		_																				1		
5021 HIGHLAND 420 Hill			-					<u>├ </u>								<u> </u>						1			<u> </u>	I	1	0.05
420 HIII 1447 HILLCREST																						1					1	0.05
1507 HILLCREST																	1										1	0.05
1519 HILLCREST																						1				1	1	0.05
5733 HILLCREST 6540 HILLCREST																				1		1					1	0.05
6550 HILLCREST										2										1	1	1					3	0.15
1160 Hobart																											2	0.10
23 N HUDSON 120 N HUDSON						_				1								1			1						2	0.10
131 N HUDSON										1												1					2	0.05
135 N HUDSON																					1						1	0.05
145 N HUDSON 31 S HUDSON						_														1	1						1	0.05
215 S HUDSON																	1										1	0.05
317 S HUDSON																					1					1	2	0.10
318 S HUDSON 324 S HUDSON						-														1						-	1	0.05
330 S HUDSON																										1	1	0.05
336 S HUDSON																				1	1	1					3	0.15
337 S HUDSON 340 S HUDSON			1																	2	1						1	0.05
301 Indianapolis																				-								0.05
231 James			1																								1	0.05
235 James 244 JAMES			+		├ ── ├			+ +			I							I							<u> </u>	1	2	0.05
244 JAMES 248 JAMES DR																	-					1					1	0.10
256 JAMES DR			1																			1				+ <u> </u>	1	0.05
821 Jay			+		├ ── ├			+ +			I							I				1			<u> </u>	1	1	0.05
901 JAY 1208 Jefferson										1												*					1	0.05
1320 JEFFERSON						_											1									1	1	0.05
1508 JEFFERSON 835 KENYON			+																			1			<u>├</u>		1	0.05
5316 LANE PL																						1					1	0.05
4607 LEE			1																		1						1	0.05
3911 N LIBERTY 3915 N LIBERTY			+		├	_		+ +													-				H	1	1	0.05
4020 N Liberty										1																	1	0.05
212 LINCOLN			1						1												1						2	0.10
29 N LINCOLN 101 N Lincoln			+			_		+ +				1									-	1			├ ── │	1	1	0.05
107 N LINCOLN																					1						1	0.05
112 N LINCOLN			1	1		_														1						1	1	0.05
138 N LINCOLN 139 N LINCOLN			-	1	├			<u>├ </u>													1				├ ──	1	1	0.05
208 N LINCOLN													1								-						1	0.05
													1														1	0.05
235 N LINCOLN			-		├ ──┼			<u> </u>																	<u> </u>	1	1	
241 N LINCOLN 245 N Lincoln			L									1														1	1	0.05
3926 N Lincoln				1																								
3928 N LINCOLN								+ +									1				1	<u> </u>				<u> </u>	2	0.10
3930 N LINCOLN 4001 N LINCOLN			1																		1					1	2	0.10
4002 N LINCOLN																					1					1	1	0.05
4003 N. Lincoln					├			+ +				1									-	<u> </u>				<u> </u>	1	0.05
4021 N LINCOLN 4031 N LINCOLN			1																		1					1	1	0.05
122 S Lincoln							1																				^	
130 S Lincoln 133 S LINCOLN					1			┥ ┥ ┥		2	I	1						I							├ ── │ ──	 	3	0.15
136 S LINCOLN			+					<u>├ </u>				1									1				<u>├</u>	+	3	0.15
140 S LINCOLN																				-	1					1	2	0.10
200 S Lincoln						_	1																	_				
214 S LINCOLN			1	1							1	1		1				1								2	2	0.10

2018 2017 2016 2017 2016 2014 2013 2014 2013 2012 2011 2010 2009 2009 2009 2007 2006 2007 2006 2005 2004 2003 2001 2001 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1991 1990 1991 1990 1991 1990

YEAR	2020 2019	2018	2017	2016	2015 2014	4 2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992 19	91 1	990 1989	TOTALS	AVERAGES
311 S LINCOLN																					1									1	0.05
4145 LINDLEY 4720 LINSCOTT																						1	1							1	0.05
4920 LINSCOTT 4924 Lingcott 5309 LYMAN 5536 Lyman																							1							1	0.05
4924 Lingcott 5309 LYMAN									1													1								1	0.05
5536 Lyman 5544 Lyman										_																				1	0.05
5544 Lyman 5548 Lyman 5549 Lyman										-																				1	0.05
5549 Lyman 5708 Lyman		-																												1	0.05
6127 LYMAN																							1							1	0.05
6130 LYMAN 6135 LYMAN		-																					1							1	0.05
6237 LYMAN 6941 Lyman																							1							1	0.05
6941 Lyman 3937 MAIN			1								-												1						1	2	0.05
3941 Main											1																			1	0.05
4101 MAIN 4125 MAIN																						1					1			1	0.05
5522 MAIN 5713 Main																													1	1	0.05
5722 MAIN			1																			1	1						1	3	0.15
631 MAPLE 643 MAPLE																							1						1	1	0.05
731 MAPLE																							-						1	1	0.05
847 MAPLE 1117 MAPLE																		1					1							1	0.05
1249 MAPLE																													1	1	0.05
11 RAFLE 731 RAFLE 847 RAFLE 1117 RAFLE 1124 RAFLE 1249 RAFLE 125 RAFLE 512 MAFLE									1													1	1							1	0.05
2513 MIDDAUGH 2200 MIDHURST 250 W Naperville	<u> </u>	-				+ $ +$									-						,						1			1	0.05
250 W Naperville		1											1								1									1	0.05
313 W NAPERVILLE						- F																	1						1	2	0.10
4705 NORTHCOTT																							*						1	1	0.05
4721 NORTHCOTT 4725 NORTHCOTT																													1	1	0.05 0.05 0.05 0.05
1231 OAK HILL RD		-					_	_	_								_	1				_			_					1	0.05
11.1 ¥ MAPEVILLE 11.81 « MAPEVILLE 11.81 « MAPEVILLE 47.21 MARTINGOTT 47.21 MARTINGOTT 47.21 MARTINGOTT 47.21 MARTINGOTT 12.31 GAR 43.01 GARMOO 13.0 GAR										1													1							1	0.05
6017 OSAGE 310 Otis																					_								1	1	0.05
327 OTIS																											1			1	0.05
944 OXFORD		-																				1								1	0.05
1450 PALMER			1								2							<u> </u>			1	1	1						2	7	0.35
5337 PARK 5423 Park													1									1								1	
6212 PARK										-													1							1	0.05
101 N Park 124 N PARK 243 N Park													1					1				1							1	1	0.05
243 N Park											2																			2	0.20
411 N PARK 521 N. Park										1												1								1	0.05
526 N PARK														1																1	0.05
4019 N Park 4117 N PARK 4118 N PARK 4119 N PARK 4119 N PARK 4119 N PARK 4121 N PARK 1211 N PARK 1215 PARK 1315 PARK 1315 PARK 1315 PARK 1315 PARK									1														1							1	0.05
4118 N PARK													1					1			1		1							3	0.15
4121 N PARK																							1							1	0.05
4123 N PARK 316 S PARK		-																			1		2							2	0.05 0.05 0.10 0.20
325 S PARK																						1					1	L	2	4	0.20
331 S DARK 335 S DARK										2	ł										1		1							4	0.05
339 S Park																							1							1	0.05
6800 PENNER 4450 PERSHING 4604 PERSHING 4616 PERSHING 4620 PERSHING 4620 PERSHING																						1	+							1	0.05
4604 PERSHING 4616 PERSHING										1	1							1				1	1						1	2	0.10
4620 Pershing																														1	0.05
4624 PERSHING 4709 PERSHING																						1							1	1	0.05
4712 PERSHING 4725 PERSHING		+				+F										├ ──				<u> </u>		1		— T					1	2	0.10
4819 Pershing			1																		*									1	0.05
4825 Pershing 5732 PLYMOUTH		L	1																		1									1	0,05
5732 PLYMOUTH 5736 Plymouth 5740 Plymouth			1										1		_															1	0.05
5740 Plymouth 7212 Powell			_																											1	0.05
1400 PRAIRIE																					_								1	1	0.05
2045 PRAIRIE		1																					1	1	1					3	0.15
1/15 PFAILE 2045 PFAILE 4500 PFINCE 4819 PFINCE 4873 PFINCE 4874 PFINCE 2110 PFentiss		<u> </u>		<u> </u>		 − [— T								├ ──						1	1	— T						2	0.05
4823 PRINCE																						^	^						1	1	0.05
4824 PRINCE 2110 Prentiss		-									1																		1	1	0.05
4621 PROSPECT		-																1												1	0.05
4621 PROSPECT 426 ROGERS 430 Rogers		L								1								1												1 2	0.05 0.05 0.10 0.10
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548 ROGERS 616 ROGERS 603 ROGERS		1								4								1												1	0.05
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4052 ROSLYN																		4											1	1	0.05 0.05 0.05
4111 Roglyn		-						1					1		-															1	
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4132 Roslyn 4151 Roslyn		-	1								2																			3	0.15
4152 ROSLYN																							1							1	0.05
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4533 SARATOGA		-				+																1							1	1	0.05
4533 SARATUGA 4533 SARATUGA 4710 SARATUGA 4835 SARATUGA 4919 SARATUGA																		1												1	0.05

YEAR	2020	2019	2018	2017	2016 2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001 2	00 199	9 199	8 1997	1996 1995	1994	1993	1992 1991	1990 198	9 TOTALS	AVERAGES
4921 SARATOGA		1																	1		1	-					<u> </u>	2	0.10
4922 SARATOGA																			1		-							1	0.05
4925 SARATOGA																					1							1	0.05
4425 SEELEY 4641 SEELEY																							1				1	1	0.05
300 Sheldon												1																1	0.05
329 SHELDON 333 SHELDON		1																						-	-		2	2	0.10
337 SHELDON																						1	1				1	3	0.15
341 SHELDON 345 SHELDON																					_						2	2	0.10
5640 SPRINGSIDE												1									1						2	2	0.10
6501 STAIR																							1					1	0.05
6505 STAIR 6509 STAIR												1										1	1					2	0.10
4339 STANLEY																					_	1						1	0.05
4417 STONEWALL 4431 STONEWALL																					-	,	1					1	0.05
4905 STONEWALL																											1	1	0.05
4927 STONEWALL 4930 STONEWALL																					_					1		1	0.05
4937 STONEWALL																									1	1		2	0.10
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801 VALLEY VIEW																							1					1	0.05
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840 VALLEY VIEW												2										1						3	0.15
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931 VALLEY VIEW 940 VALLEY VIEW																						1	1				1	2	0.10
951 Valley View				1			_					2												T				2	0.10
1101 VALLEY VIEW 1131 VALLEY VIEW		1																					1	1				1	0.05
1150 Valley View																												1	0.05
3421 Venard 4935 WALLBANK						$\left \right $								1					,			-			-			1	0.05
4939 Wallbank				1																								-	0.05
932-40 WARREN 3925 WASHINGTON		-																			_		1	1				1	0.05
3925 WASHINGTON 4004 WASHINGTON											1											1	1				1	2	0.10
4043 WASHINGTON																						1						1	0.05
4129 Washington 4236 Washington	-					1								1							-							1	0.05
4620 WASHINGTON																							1				1	2	0.10
4436 Washington														1							_							1	0.05
4533 WASHINGTON 4537 WASHINGTON							-																				1	1	0.05
4822 WASHINGTON																											1	1	0.05
4915 Washington 4925 WASHINGTON				1																		1						1	0.05
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5533 Washington												1																1	0.05
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128 N WASHINGTON 302 N Washington												2									_		1					1 2	0.05
305 N Washington 307 N Washington																												, î	
307 N Washington														1							_							1	0.05
307 N WASHINGTON 309 N WASHINGTON											1	4									1						1	7	0.35
418 N WASHINGTON		-																			_			1			2	2	0.10
420 N WASHINGTON 516 N WASHINGTON											2	1							1							2	1	6	
524 N WASHINGTON		1					_												1						1			1	0.05
3911 N WASHINGTON 4009 N Washington		1									1	2											1		-	1	1	5	0.25
4015 N WASHINGTON				1							1	1			1					1						1	1	6	0.30
4016 N WASHINGTON 4017 N WASHINGTON												1											1		<u> </u>		1	2	0.10
4121 N WASHINGTON																							1					1	0.05
332 S WASHINGTON 5630 WEBSTER																					_				-		2	2	0.10
5701 WEBSTER			1					3	1		1	1			1								1					4	0.05
5701 WEBSTER 5704 WEBSTER				$\vdash \neg$		$+$ $\overline{+}$	— T				1										_	1			-			2	0.20
5708 WEBSTER 5718 WEBSTER																			1			1	1				1	3	0.15
5732 WEBSTER										_		_															1	1	0.05
5700 WEBSTER 5705 WEBSTER		1																	1		-	1	1	1			1	2	0.10
5717 WEBSTER												1										1	1					3	0.15
5804 WEBSTER																						1	1				1	2	0.10
6910 WEBSTER 5820 WEBSTER																						1						1	0.05
6911 WEBSTER				\vdash		-												<u> </u>				1						1	0.05
6920 WEBSTER 6930 WEBSTER		<u> </u>																			1	1	1				1	1 4	0.05
7232 WEBSTER						\vdash																	1					1	0.05
4063 WEST END 4113 WEST END	-	1												-							-	1		1				1	0.05
4123 NEST END 4123 NEST END 4133 NEST END																						1	1					2	0.05
4133 WEST END 116 N West End											-			1							-	1		1				1	0.05
120 N West End														1														1	0.10
124 N WEST END		1					_															-	1	1				1	0.05
428 WHIPPLE LN 207 WHITE FAWN	1	1																<u> </u>			-	-	1	1	1		<u> </u>	1	0.05 0.05 0.05
3800 Wilcox														1									-					1	0.05
1408 WILLARD 4022 Williams																					_		1		l		<u>↓ </u>	1 2	0.05
4119 WILLIAMS											1	3		1								1					1	5	0.10
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YE	AR.		2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997 19	96 1	995	1994	1993	1992	1991	1990	1989	TOTALS	AVERAGES
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	10	1 S WILLIAMS																															1		1	0.05
		5 S WILLIAMS																									2								2	0.10
	46	36 WILSON				· · · ·																											- 1 · ·	/ /		0.25
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202	0 Mainline Blockages		Friday, January 8, 2021 7:17:06 AM
Date of Backup	Name of Caller	Address	Street
1/31/2020	Smith, Susan	1133	Sixty Second Pl
2/19/2020	Bacastow, Randy	4126	Sterling
8/22/2020	Mike/Jay's Plumbing#2	4716	Linscott
10/23/2020	Ziauddin, Ahmed	1833	Windsor
11/24/2020	McReynolds, Sandra	4919	Cornell
12/12/2020	Collazo, Bunning	406	Bunning
12/12/2020	Doncrank, John#5	3524	Saratoga
12/17/2020	Chiado, James	1148	Barberry
8			

2020 Service Line Backups

Date of Backup	Address	Street
1/2/2020	4822	Northcott
1/4/2020	6606	Briargate
1/6/2020	6367	Prideham
1/7/2020	506	Sixty Eighth
1/9/2020	1918	Bending Oaks
1/10/2020	3835	Florence
1/11/2020	4316	Sterling
1/13/2020	4820	Highland
1/13/2020	4617	Main
1/14/2020	1325	Maple
1/17/2020	6340	Powell
1/20/2020	321	S. Grant
1/24/2020	5615	Brookbank
1/25/2020	3822	N. Park
1/26/2020	3900	Glendenning
1/27/2020	3900	Glendenning
1/31/2020	1224	Brookside
2/3/2020	1774	Breasted
2/4/2020	123	N. Lincoln
2/4/2020	5505	Washington
2/5/2020	424	Gierz
2/9/2020	5930	Ridgewood
2/12/2020	1131	N. Oakley
2/20/2020	6942	Fairmount
2/24/2020	1032	Claremont
2/25/2020	734	Ogden
2/26/2020	4438	Wilson
2/28/2020	5933	Washington
2/29/2020	4010	Liberty

Date of Backu	p Address	Street
2/29/202	0 5529	Brookbank
3/2/202	0 1436	Spruce
3/2/202	0 3909	Elm
3/3/202	0 3100	Woodcreek
3/3/202	0 831	Sheridan
3/9/202	0 426	Rogers
3/10/202	0 527	Eldon
3/11/202	0 159	N. Hudson
3/12/202	0 5619	Springside
3/13/202	0 4724	Roslyn
3/19/202	0 3914	N. Lincoln
3/20/202	0 1027	Claremont
3/24/202	0 1108	Sixty Third
3/24/202	0 5412	Carpenter
3/25/202	0 5508	Brookbank
3/26/202	0 1401	Thornwood
3/26/202	0 1101	Candlewood
3/27/202	0 540	S. Lindley
3/28/202	0 3360	Pomeroy
3/28/202	0 3909	Elm
3/28/202	0 5108	Grand
3/29/202	0 200	S. Grant
3/30/202	0 7196	Springside
4/1/202	0 208	W. Burlington
4/5/202	0 1109	Sixty Second Pl
4/6/202	0 4024	N. Park
4/7/202	0 5642	Hillcrest
4/7/202	0 1300	Oak Hill
4/8/202	0 824	Sixty Seventh
4/10/202	0 5131	Lee
4/10/202	0 5528	Brookbank

Date of Backup	Address	Street
4/13/2020	3906	N. Washington
4/21/2020	1332	Blanchard
4/26/2020	3801	N. Park
4/27/2020	830	Fifty Fifth
4/30/2020	1121	Lincoln
4/30/2020	829	Rogers
4/30/2020	310	N. Cass
4/30/2020	4918	Northcott
4/30/2020	5144	Carpenter
4/30/2020	1248	Maple
4/30/2020	1325	Maple
5/1/2020	708	Chicago
5/1/2020	1523	Jefferson
5/4/2020	829	Rogers
5/4/2020	1100	Black Oak
5/5/2020	1021	Valley View
5/5/2020	5810	Buck
5/7/2020	1512	Jefferson
5/7/2020	807	S. Adams
5/8/2020	5813	Washington
5/9/2020	427	Lincoln
5/10/2020	221	Chicago
5/11/2020	1130	Crystal
5/13/2020	3636	Creekwood
5/14/2020	528	Fifty Ninth
5/14/2020	5401	Blodgett
5/17/2020	4516	Prince
5/17/2020	4021	Roslyn
5/17/2020	3926	N. Lincoln
5/17/2020	129	S. Adams
5/17/2020	1031	Grove

Date of Backup Address	Street
5/17/2020 911	Prairie
5/17/2020 328	Fifty Fifth
5/17/2020 4021	N. Grant
5/17/2020 4915	Washington
5/17/2020 6512	Fairmount
5/17/2020 750	Sixty Second
5/17/2020 5310	Lyman
5/17/2020 4208	Highland
5/17/2020 4506	Prince
5/18/2020 4031	N. Grant
5/18/2020 4721	Highland
5/18/2020 4725	Linscott
5/18/2020 1106	Sixtieth
5/18/2020 5408	Main
5/18/2020 6025	Woodward
5/19/2020 5600	Carpenter
5/19/2020 237	N. Lincoln
5/19/2020 6236	Stonewall
5/21/2020 1365	Turvey
5/21/2020 1948	Wellington
5/22/2020 4132	Elm
5/22/2020 1618	Plum
5/23/2020 5300	Lee
5/27/2020 310	Lincoln
5/30/2020 6018	Grand
6/3/2020 5423	Washington
6/3/2020 829	Lincoln
6/5/2020 4908	Puffer
6/5/2020 6500	Barclay
6/5/2020 702	Brougham
6/8/2020 4629	Belmont

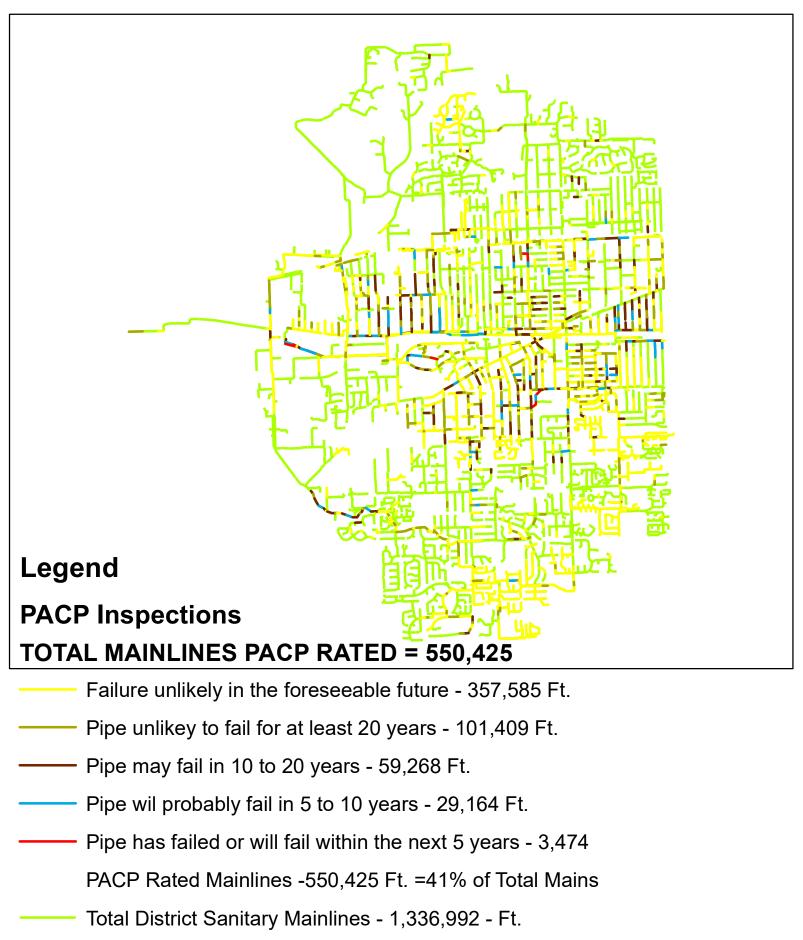
Date of Backup	Address	Street
6/8/2020	5830	Main
6/11/2020	6372	S. Cass
6/12/2020	620	Sixty Seventh
6/15/2020	4026	N. Lincoln
6/19/2020	1348	Turvey
6/20/2020	6363	Banburry
6/24/2020	3936	Highland
6/24/2020	4409	Wilson
6/25/2020	801	Seventy Fourth
6/29/2020	3905	Williams
6/30/2020	200	S. Lincoln
6/30/2020	6860	Springside
7/1/2020	4936	Puffer
7/2/2020	5141	Main
7/2/2020	4723	Cornell
7/6/2020	6840	Springside
7/8/2020	6654	Blackstone
7/10/2020	5433	Brookbank
7/13/2020	22	James
7/14/2020	5820	Deer Creek
7/15/2020	912	Sixty First
7/17/2020	1048	Prairie
7/17/2020	27	N. Hudson
7/21/2020	754	Seventy Second
7/24/2020	922	Sixty Second
7/26/2020	200	S. Lincoln
8/6/2020	5813	Main
8/7/2020	1220	Lincoln
8/7/2020	1961	Elmore
8/8/2020	933	Grant
8/12/2020	6205	Middaugh

Da	ate of Backup Address	Street
	8/15/2020 1812	Breasted
	8/16/2020 505	N. Washington
	8/20/2020 953	White Birch
	8/27/2020 26	W. 56th Pl
	9/1/2020 111	Seventh
	9/3/2020 101	S. Park
	9/8/2020 1137	Sixty Second
	9/8/2020 114	S. Cass
	9/8/2020 122	S. Cass
	9/10/2020 238	S. Park
	9/14/2020 333	Memory
	9/18/2020 238	S. Park
	9/21/2020 7108	Binder
	9/25/2020 1048	Prairie
	9/25/2020 1481	Wood
	9/28/2020 4311	Stanley
	10/5/2020 235	W. 55th
	10/6/2020 5732	Grand
	10/8/2020 6730	Bunker Hill
	10/14/2020 73	W. Pier
	10/15/2020 1411	Oak Hill
	10/15/2020 941	Forty First
	10/19/2020 5804	Washington
	10/22/2020 2007	Oxnard
	10/22/2020 7349	Lemont
	10/22/2020 947	Indian Boundary
	10/22/2020 436	Bunning
	10/23/2020 6300	Powell
	10/23/2020 618	Ridgeview
	10/24/2020 618	Ridgeview
	10/25/2020 1135	Curtiss

Date of Backup	Address	Street
10/25/2020	7040	Webster
10/29/2020	338	Sixth
10/29/2020	921	Chicago
10/30/2020	4711	Main
11/4/2020	5	Jacqueline
11/6/2020	6505	Stair
11/7/2020	405	W. Naperville
11/7/2020	5705	Dearborn
11/8/2020	1000	Hickory
11/8/2020	5732	Raintree
11/9/2020	2534	Haddow
11/9/2020	306	Cromwell
11/10/2020	1100	Norfolk
11/11/2020	2118	Midhurst
11/11/2020	6512	Fairmount
11/13/2020	1019	Palmer
11/15/2020	6941	Lyman
11/15/2020	6941	Lyman
11/16/2020	826	Birch
11/17/2020	240	W. Quincy
11/18/2020	3915	Liberty
11/19/2020	5736	Plymouth
11/19/2020	523	Morning Glory
11/20/2020	1121	Robey
11/28/2020	5621	Lyman
12/4/2020	6208	Fairmount
12/9/2020	4340	Wilson
12/10/2020	7349	Lemont
12/11/2020	319	Fifty Fifth
12/12/2020	5218	Blodgett
12/12/2020	4504	Linscott

I	Date of Backup	Address	Street
	12/13/2020	5720	Carpenter
	12/15/2020	4209	Highland
	12/16/2020	5813	Dunham
	12/17/2020	4116	Liberty
	12/17/2020	3021	Thirty Fifth
	12/18/2020	4716	Douglas
	12/21/2020	7221	Powell
	12/22/2020	6030	Osage
	12/22/2020	126	S. Lincoln
	12/24/2020	6030	Woodward
	12/30/2020	5727	Wanda
	12/31/2020	2420	Fifty Ninth
	12/21/2020	951	Indian Boundary
	12/31/2020	551	indian boundary

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			Through January 2021		
Manhole	C	D 1	Average I/I	Rank	
Number	Group	Region	Number	1 = Highest I/I	
2-D-16	С	Central	32.78	1	
W-1-4	М	Hobson	27.67	2	
1-G-18	Ι	Central	23.34	3	
1-L-19-1	Н	Central	21.27	4	
W-2-3	Μ	Hobson	20.95	5	
1-J-9	А	Central	20.81	6	
2-C-25	С	Central	19.34	7	
1-M-8	Н	Central	19.12	8	
1-F-9	Ι	Central	18.78	9	
W-1-12	Μ	Hobson	18.41	10	
G-1-15	В	Central	17.65	11	
1-K-10	А	Central	17.37	12	
V-2-31	0	Northwest	17.07	13	
1-M-15	Н	Central	16.67	14	
1-K-28	А	Central	16.39	15	
N-1-38	E	Northwest	16.3	16	
1-A-3	Κ	Central	16.11	17	
1-G-35	Н	Central	16.04	18	
2-D-4	С	Central	15.29	19	
V-1-15	0	Northwest	14.58	20	
E-1-14	0	Central	14.54	21	
G-2-1	В	Central	14.27	22	
2-A-42	Κ	Central	14.23	23	
N-1-3	E	Northwest	14.13	24	
G-6-2	В	Central	14.1	25	
1-H-4	Н	Central	14.04	26	
1-B-10	J	Central	13.8	27	
N-1-25	E	Northwest	13.71	28	
2-G-5	С	Central	13.27	29	
E-1-26	0	Central	13.24	30	
V-4-2	Ν	Central	12.56	31	
B-1-000	E	Northwest	12.52	32	
C-1-000	L	Hobson	12.41	33	
1-D-8	J	Central	12.26	34	

I/I Ranking Summary - Highest I/I to Lowest I/I

Downers Grove Sanitary District Flow Monitoring Program

1-G-5	А	Central	12.21	35
G-5-15	В	Central	12.16	36
L-1-111	Ν	Central	12.05	37
2-F-1	С	Central	11.59	38
1-N-11	А	Central	11.41	39
1-E-38	Ι	Central	10.96	40
V-3-82	Ν	Central	10.75	41
L-1-000	Ν	Central	10.53	42
1-A-128	Κ	Central	10.31	43
1-G-14S	Ι	Central	10.14	44
W-2-42	Μ	Hobson	10.13	45
H-3-48	D	Hobson	10.08	46
H-1-22	F	Hobson	10.06	47
W-2-7	Μ	Hobson	10.02	48
1-G-46	А	Central	9.99	49
V-3-13	Ν	Central	9.96	50
2-F-2	С	Central	9.79	51
G-3-11	В	Central	9.67	52
1-B-2	J	Central	9.57	53
L-1-33	Ν	Central	9.45	54
1 - J-16	А	Central	9.3	55
H-4-75	F	Hobson	9.22	56
W-1-2	Μ	Hobson	9.21	57
W-1-30	Μ	Hobson	9.19	58
L-1-17	Ν	Central	9.17	59
1-F-31	Ι	Central	9.03	60
L-1-13	Ν	Central	9.03	61
1-M-12-A	Н	Central	8.99	62
H-3-18	D	Hobson	8.98	63
2-A-8	L	Central	8.88	64
1-N-1A	А	Central	8.87	65
1-C-6	J	Central	8.55	66
1-C-50	K	Central	8.53	67
1-J-3-1	А	Central	8.25	68
W-2-15	Μ	Hobson	8.2	69
1-A-10	K	Central	8.07	70
2-C-1	С	Central	8.03	71
W-1-65	Μ	Hobson	7.89	72
2-E-5	С	Central	7.88	73
1 -J- 14	А	Central	7.75	74
1-L-12-R	В	Central	7.69	75
G-4-4A	В	Central	7.61	76
1-D-4	J	Central	7.59	77
2-G-12	С	Central	7.58	78

1-K-2	А	Central	7.49	79
1-F-21S	Ι	Central	7.18	80
V-4-14	Ν	Central	7.17	81
1-E-7	Ι	Central	7.12	82
H-7-9-7	G	Hobson	7.01	83
1-C-6S	J	Central	7.01	84
2-B-7	L	Central	6.94	85
W-1-39	Μ	Hobson	6.91	86
H-3-15	D	Hobson	6.86	87
2-A-1	L	Central	6.8	88
C-1-5	L	Hobson	6.77	89
1-E-6S	Ι	Central	6.69	90
1-H-9	Н	Central	6.64	91
2-A-10S	Κ	Central	6.61	92
1-B-18	J	Central	6.6	93
G-2-4	В	Central	6.48	94
3-B-1A	Е	WWTC	6.36	95
G-3-3	В	Central	6.29	96
G-5-28	В	Central	6.26	97
2-C-54	С	Central	6.25	98
H-2-6	F	Hobson	6.25	99
N-1-76	Е	Northwest	6.06	100
H-3-12	D	Hobson	6.54	101
1-G-22S	Ι	Central	5.95	102
H-5-21-1	G	Hobson	5.93	103
H-2-15	D	Hobson	5.84	104
V-1-9	Ο	Northwest	5.86	105
1-E-80	J	Central	5.8	106
2-A-10	Κ	Central	5.75	107
H-2-29	D	Hobson	5.73	108
H-7-26	G	Hobson	5.65	109
G-4-12	В	Central	5.63	110
1-E-4S	J	Central	5.58	111
V-3-8R	Ν	Central	5.41	112
H-1-3	F	Hobson	5.35	113
2-A-1S	L	Central	5.25	114
H-5-17	G	Hobson	5.21	115
V-4-34	Ν	Central	5.14	116
G-5-2	В	Central	5.13	117
1-C-2	K	Central	5.13	118
H-4-46	F	Hobson	5.09	119
B-1-17	E	Northwest	4.97	120
H-1-17	F	Hobson	4.89	121
C-1-11	L	Hobson	4.83	122

H-6-5	D	Hobson	4.8	123
V-1-000	Ο	Northwest	4.62	124
H-6-28C	D	Hobson	4.61	125
V-1-6	О	Northwest	4.51	126
V-2-7	О	Northwest	4.24	127
2-C-10	С	Central	4.19	128
V-3-000	Ι	Central	4.13	129
B-1-35	E	Northwest	3.97	130
H-3-2-2	D	Hobson	3.96	131
3-A-2	Е	WWTC	3.79	132
3-A-8	E	Hobson	3.68	133
H-4-29	F	Hobson	3.56	134
H-7-17	G	Hobson	3.45	135
H-5-12	G	Hobson	3.45	136
H-7-6	G	Hobson	3.37	137
E-1-000	Ο	Central	3.25	138
V-1-17	Ο	Northwest	2.9	139
H-5-21-9	G	Hobson	2.78	140
1-G-28R	Н	Central	2.73	141
H-7-30A	G	Hobson	2.57	142
H-2-99	F	Hobson	2.5	143
H-5-21-17	G	Hobson	2.43	144
H-7-9-47	G	Hobson	2.39	145
H-4-12	F	Hobson	2.38	146
2-A-49	L	Central	2.12	147
H-5-2	G	Hobson	2.03	148
V-3-21	Ν	Central	1.67	149
H-8-1	F	Hobson	1.31	150

I/I Ranking Summary - Highest I/I to Lowest I/I

Manhole Number 2-D-16	Group			anuary 2021	rinough o	anuary 2020	rinough	August 2018
		Deview	Average I/I	Rank	Average I/I	Rank	Average I/I	Rank
2-D-16	Group	Region	Number	1 = Highest I/I	Number	1 = Highest I/I	Number	1 = Highest I/I
	С	Central	32.78	1	29.21	1	29.21	1
W-1-4	М	Hobson	27.67	2	27.67	2	27.67	2
1-G-18	I	Central	23.34	3	23.34	3	23.34	3
W-2-3	М	Hobson	20.95	5	20.95	6	23.31	4
G-1-15	В	Central	17.65	11	22.92	4	22.92	5
1-K-28	Α	Central	16.39	15	15.69	20	22.78	6
W-1-12	М	Hobson	18.41	10	18.41	11	22.56	7
1-M-8	Н	Central	19.12	8	20.00	8	21.34	8
1-L-19-1	H	Central	21.27	4	21.27	5	21.27	9
2-C-25	C	Central	19.34	7	19.34	9	19.34	10
1-J-9	Ă	Central	20.81	6	20.81	7	19.07	11
1-F-9	, A	Central	18.78	9	18.78	10	18.78	12
1-K-10	A	Central	17.37	12	17.37	12	17.54	13
1-M-15	Ĥ	Central	16.67	14	16.88	14	16.70	14
W-2-15	M	Hobson	8.20	69	8.20	70	16.44	15
N-1-38	E	Northwest	16.30	16	16.30	15	16.30	16
2-D-4	C	Central	15.29	19	16.21		16.21	17
G-2-1						16 17		18
1-A-3	B	Central	14.27	22 17	16.21		16.21	
	K	Central	16.11		16.11	18	16.11	19
1-G-35	Н	Central	16.04	18	16.04	19	16.04	20
V-1-15	0	Northwest	14.58	20	14.58	21	14.58	21
2-G-5	C	Central	13.27	29	14.35	23	14.35	22
2-A-42	ĸ	Central	14.23	23	14.23	24	14.23	23
N-1-3	E	Northwest	14.13	24	14.13	25	14.13	24
1-L-12R	В	Central	7.69	75	14.11	26	14.11	25
E-1-14	0	Central	14.54	21	14.54	22	14.04	26
1-H-4	н	Central	14.04	26	14.04	27	14.04	27
1-B-10	J	Central	13.80	27	13.80	28	13.80	28
N-1-25	E	Northwest	13.71	28	13.71	29	13.71	29
1-G-5	Α	Central	12.21	35	12.21	35	12.84	30
B-1-000	E	Northwest	12.52	32	12.52	32	12.52	31
C-1-000	L	Hobson	12.41	33	12.41	33	12.41	32
V-4-2	Ν	Central	12.56	31	12.56	31	12.27	33
1-D-8	J	Central	12.26	34	12.26	34	12.26	34
L-1-111	Ν	Central	12.05	37	12.05	36	12.09	35
1-N-11	Α	Central	11.41	39	11.41	38	11.93	36
G-3-11	В	Central	9.67	52	11.66	37	11.66	37
E-1-26	0	Central	13.24	30	13.24	30	11.57	38
2-F-1	С	Central	11.59	38	11.22	39	11.22	39
1-E-38	I	Central	10.96	40	10.96	40	10.96	40
L-1-000	Ν	Central	10.53	42	10.53	42	10.53	41
V-3-13	Ν	Central	9.96	50	9.96	51	10.46	42
1-A-128	Κ	Central	10.31	43	10.31	43	10.31	43
V-2-31	0	Northwest	17.07	13	17.07	13	10.22	44

I/I Ranking Summary - Highest I/I to Lowest I/I

			-	anuary 2021	-	anuary 2020	-	August 2018
Manhole	Group	Region	Average I/I	Rank	Average I/I	Rank	Average I/I	Rank
Number		-	Number	1 = Highest I/I	Number	1 = Highest I/I	Number	1 = Highest I/I
L-1-33	Ν	Central	9.45	54	9.45	54	10.22	45
1-G-46	Α	Central	9.99	49	9.99	50	10.14	46
1-G-14S	I	Central	10.14	44	10.14	44	10.14	47
L-1-13	Ν	Central	9.03	61	9.03	62	10.12	48
H-3-48	D	Hobson	10.08	46	10.08	46	10.08	49
G-5-15	В	Central	12.16	36	10.06	47	10.06	50
H-1-22	F	Hobson	10.06	47	10.06	48	10.06	51
W-2-7	М	Hobson	10.02	48	10.02	49	10.02	52
V-3-82	Ν	Central	10.75	41	10.75	41	9.88	53
W-1-30	М	Hobson	9.19	58	9.19	59	9.81	54
H-3-18	D	Hobson	8.98	63	9.73	52	9.73	55
1-B-2	J	Central	9.57	53	9.57	53	9.57	56
1-J-16	Ă	Central	9.30	55	9.30	56	9.30	57
H-4-75	F	Hobson	9.22	56	9.22	57	9.22	58
1- F -31	, ,	Central	9.03	60	9.03	61	9.03	58
1-F-51 1-M-12A		Central		62	9.03	55	9.03 8.97	60
	Н		8.99					
2-F-2	C	Central	9.79	51	8.96	63	8.96	61
G-4-4A	В	Central	7.61	76	8.89	64	8.89	62
2-A-8	L	Central	8.88	64	8.88	65	8.88	63
L-1-17	N	Central	9.17	59	9.17	60	8.66	64
1-C-6	J	Central	8.55	66	8.55	67	8.55	65
1-C-50	K	Central	8.53	67	8.53	68	8.53	66
W-2-42	М	Hobson	10.13	45	10.13	45	8.48	67
W-1-65	М	Hobson	7.89	72	7.89	74	8.34	68
2-C-1	С	Central	8.03	71	8.15	71	8.15	69
G-6-2	В	Central	14.10	25	8.13	72	8.13	70
1-A-10	K	Central	8.07	70	8.07	73	8.07	71
1-N-1A	Α	Central	8.87	65	8.87	66	7.96	72
1-J-14	Α	Central	7.75	74	7.75	75	7.75	73
G-3-3	В	Central	6.29	96	7.73	76	7.73	74
1-D-4	J	Central	7.59	77	7.59	77	7.59	75
G-5-28	B	Central	6.26	97	7.59	78	7.59	76
V-4-14	N	Central	7.17	81	7.17	82	7.47	77
1-K-2	A	Central	7.47	79	7.47	79	7.47	78
2-E-5	ĉ	Central	7.88	73	7.31	80	7.31	70
1-F-21S	i	Central	7.18	80	7.18	81	7.18	80
2-G-12	Ċ	Central	7.58	78	7.15	83	7.15	81
	C							
W-1-2	M	Hobson	9.21	57	9.21	58	7.12	82
1-E-7	I	Central	7.12	82	7.12	84	7.12	83
H-7-9-7	G	Hobson	7.01	83	7.01	85	7.01	84
1-C-6S	J	Central	7.01	84	7.01	86	7.01	85
2-B-7	L	Central	6.94	85	6.94	87	6.94	86
2-A-1	L	Central	6.80	88	6.80	89	6.80	87
C-1-5	L	Hobson	6.77	89	6.77	90	6.77	88

I/I Ranking Summary - Highest I/I to Lowest I/I

			Through January 2021		Through J	anuary 2020	Through August 2018	
Manhole	0	Denter	Average I/I Rank		Average I/I	Rank	Average I/I Rank	
Number	Group	Region	Number	1 = Highest I/I	Number	1 = Highest I/I	Number	1 = Highest
1-H-9	Н	Central	6.64	91	6.64	92	6.64	89
2-A-10S	к	Central	6.61	92	6.61	93	6.61	90
G-4-12	В	Central	5.63	110	6.60	94	6.60	91
1-B-18	J	Central	6.60	93	6.60	95	6.60	92
G-2-4	В	Central	6.48	94	6.58	96	6.58	93
H-3-12	D	Hobson	5.96	101	6.54	97	6.54	94
3-B-1A	Е	WWTC	6.36	95	6.36	98	6.36	95
1-J-3-1	Α	Central	8.25	68	8.25	69	6.31	96
W-1-39	М	Hobson	6.91	86	6.91	88	6.25	97
H-2-6	F	Hobson	6.25	99	6.25	99	6.25	98
H-3-15	D	Hobson	6.86	87	6.21	100	6.21	99
V-1-9	0	Northwest	5.86	105	5.86	104	6.08	100
N-1-76	E	Northwest	6.06	100	6.06	101	6.06	101
1-G-22S	I	Central	5.95	102	5.95	102	5.95	102
H-5-21-1	G	Hobson	5.93	103	5.93	103	5.93	103
1-E-6S	I	Central	6.69	90	6.69	91	5.89	104
H-2-15	D	Hobson	5.89	104	5.84	105	5.84	105
1-E-80	J	Central	5.80	106	5.80	106	5.80	106
2-A-10	K	Central	5.75	107	5.75	107	5.75	107
H-2-29	D	Hobson	5.73	108	5.73	108	5.73	108
H-7-26	G	Hobson	5.65	109	5.65	109	5.65	109
V-3-8R	Ν	Central	5.41	112	5.41	111	5.61	110
1-E-4S	J	Central	5.58	111	5.58	110	5.58	111
2-C-54	С	Central	6.25	98	5.40	112	5.40	112
V-4-34	N	Central	5.14	116	5.14	116	5.39	113
H-1-3	F	Hobson	5.35	113	5.35	113	5.35	114
2-A-1S	L	Central	5.25	114	5.25	114	5.25	115
H-5-17	G	Hobson	5.21	115	5.21	115	5.21	116
G-5-2	В	Central	5.13	117	5.13	117	5.13	117
1-C-2	K	Central	5.13	118	5.13	118	5.13	118
H-4-46	F	Hobson	5.09	119	5.09	119	5.09	119
H-6-5	D	Hobson	4.80	123	5.01	120	5.01	120
B-1-17	E	Northwest	4.97	120	4.97	121	4.97	121
H-1-17	F	Hobson	4.89	121	4.89	122	4.89	122
C-1-11	L	Hobson	4.83	122	4.83	123	4.83	123
V-1-000	0	Northwest	4.62	124	4.62	124	4.62	124
H-6-28C	D	Hobson	4.61	125	4.49	126	4.49	125
2-C-10	C	Central	4.19	128	4.19	128	4.19	126
V-3-000	<u> </u>	Central	4.13	129	4.13	129	4.13	127
B-1-35	E	Northwest	3.97	130	3.97	130	3.97	128
V-1-6	0	Northwest	4.51	126	4.51	125	3.81	129
3-A-2	E	WWTC	3.79	132	3.79	131	3.79	130
H-3-2-2	D	Hobson	3.96	131	3.74	132	3.74	131
3-A-8	E	Hobson	3.68	133	3.68	133	3.68	132

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I/I Ranking Summary - Highest I/I to Lowest I/I

			Through J	Through January 2021 Through January 2020		anuary 2020	Through August 2018		
Manhole Number	Group	Region	Average I/I Number	Rank 1 = Highest I/I	Average I/I Number	Rank 1 = Highest I/I	Average I/I Number	Rank 1 = Highest I/I	
H-4-29	F	Hobson	3.56	134	3.56	134	3.56	133	
H-7-17	G	Hobson	3.45	135	3.45	135	3.45	134	
H-5-12	G	Hobson	3.45	136	3.45	136	3.45	135	
H-7-6	G	Hobson	3.37	137	3.37	137	3.37	136	
V-2-7	Ο	Northwest	4.24	127	4.24	127	3.15	137	
V-1-17	Ο	Northwest	2.90	139	2.90	138	2.90	138	
H-5-21-9	G	Hobson	2.78	140	2.78	139 2.78		139	
1-G-28R	н	Central	2.73	141	2.73	140	2.73	140	
H-7-30A	G	Hobson	2.57	142	2.57	141 2.57		141	
H-2-99	F	Hobson	2.50	143	2.50	142 2.50		142	
H-5-21-17	G	Hobson	2.43	144	2.43	143			
H-7-9-47	G	Hobson	2.39	145	2.39	144 2.39		144	
H-4-12	F	Hobson	2.38	146	2.38	145	2.38	145	
2-A-49	L	Central	2.12	147	2.12	146 2.12		146	
H-5-2	G	Hobson	2.03	148	2.03			147	
V-3-21	Ν	Central	1.67	149	1.67 148 1.67		1.67	148	
H-8-1	F	Hobson	1.31	150			1.31	149	
E-1-000	0	Central	3.25	138	1.07	150	1.07	150	

DOWNERS GROVE SANITARY DISTRICT M E M O

DATE: January 12, 2021

TO: Amy Underwood General Manager

FROM: Robert Swirsky Sewer System Maintenance Supervisor

RE: 2021 Collection System Work Plan

Proposed work on the collection system for 2021

- 1. Regular cleaning of 299,655 feet of sewers with diameter 21 inches or smaller (4 year cycle). Sewer areas 1A, 1B, 1C, 1D, 1E, 2A, 2B, 3A, 3B, B1, N1, V1, V2, and annual cleaning of all siphons.
- 2. Continue to heavy clean main sewers on the PM. List every 6 months (approximately 37,577 feet), and every 3 months (approximately 5,408 feet).
- 3. Continue annual monitoring and heavy cleaning if needed of 3,974' of 18" and 30" main sewer in the Denburn Woods and Gilbert Park area.
- 4. Televise 100,000 feet of main sewers (12 year cycle).
- 5. Continue the regular metering of the 50 basins for 9 weeks per basin (3 year cycle).
- 6. Continue the inspection of private property under the Private Property Infiltration and Inflow (I&I) Removal Program in the targeted basins.
- 7. Continue the Building Sanitary Service Repair Assistance Program including the removal of identified I/I sources within these buildings.
- 8. Televise and locate as needed the building services for the Private Property I/I Removal Program, Building Sanitary Service Repair Assistance Program and the Cost Reimbursement Program for the installation of Overhead Sewers or Backflow Prevention Devices.
- 9. Inspect buildings for I/I sources for the above programs.
- 10. Inspect 300 district manholes (20 year cycle)
- 11. Utilize flow meter data and other district records to prioritize main sewers for repair or rehabilitation in accordance with the I/I Removal and Sewer System Rehabilitation Policy.
- 12. Utilize the Lucity software and other district records to prioritize main sewers for repair or rehabilitation in accordance with the I/I removal and Sewer system Rehabilitation Policy.
- 13. Continue updating records and correcting errors in GIS and Lucity.

14. Continue to assist at the treatment plant and lift stations with maintenance and other tasks where the use of the Vac-Con is beneficial.

CC: WDVB, AES, PWC, RTJ, KJR, MS, WCC, MGP

DOWNERS GROVE SANITARY DISTRICT

<u>M E M O</u>

TO: Board of Trustees

FROM: W. Clay Campbell Administrative Supervisor

DATE: January 15, 2021

RE: Investment in Certificate of Deposit - BMO Harris Bank

In accordance with the District Investment Policy, we renewed a twelve-month Certificate of Deposit (CD) with the local Downers Grove BMO Harris Bank on December 17, 2020. The CD is in the amount of \$250,000 at an interest rate of 0.30%. This bank was selected based on a review of competitive rates from financial institutions that accept public funds. The CD is FDIC insured to \$250,000.

This CD was purchased with Fund 01 funds for the term of twelve months to allow staff to continue laddering District investments. Staff would request for the Board to take action ratifying this investment at its next regular meeting of January 19, 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 BMO Harris Bank on December 17, 2020 at an interest rate of 0.30% and a term of twelve months."

Attachment

cc: KJR, RTJ, MJS, ARU, MGP



BMO Harris Bank N.A.

Certificate of Deposit (CD) Account Disclosure

Account Title and Mailing Address DOWNERS GROVE SANITARY DISTRICT 2710 CURTISS ST DOWNERS GROVE IL 60515-4001 Date: 12/21/2020

Amount: \$250,000.00

Rate Information

The interest rate for your CD account number **Sector** is 0.300% with an annual percentage yield (APY) of 0.30%. You will be paid this rate until the maturity date of the certificate. Your certificate will mature on 12/17/2021. The APY assumes interest and principal remains on deposit until maturity. A withdrawal will reduce earnings.

Interest begins to accrue on the Business Day you deposit cash or any non-cash item (for example checks).

Interest for your account will be compounded daily and will be distributed by: Check Monthly

Minimum Balance Requirements

You must deposit at least \$100,000.00 to open this account.

You must maintain a daily minimum balance of \$100,000.00 in your account to obtain the APY listed above.

Balance Computation Method

We use the daily balance method to calculate the interest on your account. This method applies a daily periodic rate to the Ledger Balance in the account each day. The Ledger Balance is the balance in your account that consists of all deposits, plus interest credited to the account, minus all withdrawals and other debits to the account at the close of the Business Day. Our Business Days are Monday through Friday. Transactions on Saturday, Sunday, and Federal holidays are posted the next Business Day.

Transaction Limitations

Each CD is treated as a separate deposit with its own interest rate and maturity. You cannot make additional deposits into or withdrawals from this account until the maturity date. Additional funds may be added and withdrawals may be made during the grace period. Special transaction limitation rules apply for IRAs – please see your IRA Plan disclosure if this account is part of an IRA or other tax qualified plan.

Maturity, Renewal and Grace Period

At the maturity date, a standard CD will automatically renew to a standard CD of equal term at the then current interest rate and APY for that term and current balance as shown on the then current Interest Rate Sheet. At the maturity date: a 7 month CD Special will automatically renew to a 6 month standard CD; a 11 month CD Special will automatically renew to a 9 month standard CD; a 13 month CD Special will automatically renew to a 1 year standard CD; a 15 month CD Special will automatically renew to a 1 year standard CD; a 19 month CD Special will automatically renew to a 1 year standard CD; a 25 month CD Special will automatically renew to a 2 year standard CD; a 31 month CD Special will automatically renew to a 30 month standard CD; a 35 month CD Special will automatically renew to a 30 month standard CD; a 40 month CD Special will automatically renew to a 3 year standard CD; a 45 month CD Special will automatically renew to a 3 year standard CD; a 49 month CD Special will automatically renew to a 4 year standard CD; a 55 month CD Special will automatically renew to a 4 year standard CD; a 49 month CD Special will automatically renew to a 4 year standard CD; a 55 month CD Special will automatically renew to a 4 year standard CD; a 49 month CD Special will automatically renew to a 4 year standard CD; a 55 month CD Special will automatically renew to a 4 year standard CD; a 49 month CD Special will automatically renew to a 4 year standard CD; a 59 month CD Special will automatically renew to a 4 year standard CD - each at the then current interest rate and APY for the relevant term and current balance as shown on the functional days after the maturity date to withdraw funds without being charged an early withdrawal penalty. If you close your CD during the grace period, it will not earn interest after the maturity date. We will send you a pre-maturity reminder and a confirmation of the renewal.

Early Withdrawal Penalty and Computation Method

When you make a deposit to any one of our CD products, you are agreeing to keep the funds on deposit until the stated maturity. We reserve the right to permit withdrawals of principal only upon maturity. If we permit you to make an early withdrawal of principal before maturity, you will pay an early withdrawal penalty. The penalty is calculated using the interest rate applicable to the CD at the time of early withdrawal. If the amount of the penalty exceeds the amount of accrued and unpaid interest, then a reduction of principal would be required in order to pay the penalty. These penalties do not apply to Qualified IRA Distributions.

CDs with terms of:

1 month (7 to 59 days) 2-11 months (60 days up to and including 364 days) 12-23 months 24-35 months 36-47 months 48 months or longer

Are charged:

Loss of interest Loss of 90 days' interest Loss of 180 days' interest Loss of 270 days' interest Loss of 365 days' interest Loss of 545 days' interest

If this account is held pursuant to a retirement plan arrangement, the early withdrawal penalty will not be imposed if : (a) the accountholder becomes disabled; (b) after attaining the age of 59½ the accountholder establishes a series of periodic distributions over a period of five or more years (with at least one payment per year); or (c) the death or adjudication of the incompetence of any owner of this account.

All accounts are subject to State and Federal rules and regulations as explained in the *Deposit Account Agreement for Personal* and Business Accounts. The terms "we," "us," and "our" refer to BMO Harris Bank N.A."You" and "your" means the person or entity who opened the account or in whose name the account was opened, and any assignee, successor, or agent.

BMO Harris Bank N.A. Member FDIC

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DOWNERS GROVE SANITARY DISTRICT

<u>M E M O</u>

TO: Amy R. Underwood General Manager

FROM: W. Clay Campbell Administrative Supervisor

DATE: January 15, 2021

RE: Progress Report – December, 2020

ADMINISTRATIVE

Personnel

We have extended an offer for the Sewer System Permit Technician position to an applicant and the applicant accepted. We are currently in the process of having the applicant complete all of the necessary post-offer conditions associated with the offer and position. If successful with fulfilling all conditions, we anticipate the applicant would start sometime in mid to late February.

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

One new backup resulting from a mainline blockage occurred on December 12 at 3524 Saratoga Avenue, Downers Grove. A preliminary assessment indicates that there was some measurable damage resulting from the mainline blockage and the District has filed the evaluation of any damage with its third-party adjuster. No claim has been filed as of yet. An updated summary is attached.

Safety Committee and Related Safety Matters

The next Safety Committee meeting is scheduled for January 19. Safety Coordinator Gwozdz has been finishing up budget requests for safety equipment and organization needs for the upcoming FY21-22. Safety Coordinator Gwozdz has also been heavily involved in discussions between General Manager Underwood and myself regarding the potential for availability of a COVID-19 vaccine for employees.

IAWA Legislative Subcommittee

As co-chair of the Subcommittee, I have been working with my fellow co-chair and IAWA's lobbyists to draft proposed legislation regarding wipes. This legislation is intended to address the labeling of the products referred to as "flushable wipes" in Illinois. We are in the process of soliciting feedback from the rest of the Subcommittee to refine the proposed language and will continue to move ahead with a bill. With the new legislative session looming, I will begin heavily monitoring bills on behalf of IAWA over the next four months.

Technology Update

The customer billing portal project with CityInsight is proceeding as planned – we are currently working on the technical aspects related to the project as much of the other aspects of the project will flow from that. 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.

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

# of Customers registered in the last month:	119
# of Customers paying their bills online in the last month:	1,501
Amount of Money processed through the Portal in the last month:	\$97,243.94
# of Customers signing up for Autopay through the Portal in the last month:	65
# of Customers enrolled in paperless billing in the last month:	64
# of customers registered for pay by text in the last month:	34
Cost to District for providing Invoice Cloud service in the last month:	\$388.80
Cost to District's customers (convenience fees) in the last month:	\$2,601.33
Estimated Monthly savings from customers enrolled in paperless billing:	\$74.16
# of Customers registered from launch through last month:	5,452
# of Customers signing up for Autopay through the Portal from launch through last month:	1,645
# of Customers enrolled in paperless billing from launch through last month:	2,472
# of customers registered for pay by text from launch through last month:	1,635

FINANCIAL

W-2s and 1099s

Carly Shaw, Accounting Assistant for the District, and I compiled, prepared and issued W-2s (for employees) today and will be preparing 1099s (for vendors) next week for tax year 2020 in compliance with IRS regulations.

Annual Budget and Five-Year Plan

I continued working on budget preparation for FY21-22 for the Administration department and several other District-wide expenses.

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

01/15/21

STREET ADDRESS	CITY	NAME	DATE OF BACKUP	DATE CLAIM RECEIVED	AMOUNT OF CLAIM	ADJUSTER RECOMMENDATION	AMOUNT PAID	DATE PAID	ADJUSTER FEE	STATUS
SIREEI ADDRESS	CITY	NAME	DACKUP	RECEIVED	CLAIN	RECOMMENDATION	FAID	PAID	FEE	51A105
144 N. PARK STREET	WESTMONT	RUDEY	7/9/2019		T 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

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)

243

122	\$161,329.50	\$91,088.23	\$18,919.35
3	\$1,245.98	\$1,173.90	\$0.00

USER BILLING SUMMARY

User Charge System

Billings for December 2020 were as follows:

User	\$269,003.28
Surcharge	36,172.21
Monthly fees	351,812.62
Total	\$656,988.11
Summer Usage Adjustment	\$1,116.45
Billable Flow	148,826,017
Budgeted Billable Flow	148,313,153
% Actual/Budgeted Billable Flow	100.35%
YTD Billable Flow YTD Budgeted Billable Flow % Actual/Budgeted Billable Flow	1,403,904,926 1,477,761,075 95.00%

The user accounts receivable balance on 12/31/2020 is \$712,645.11 and consists of:

Current charges due 1/15/21	\$492,967.83
Past due charges and penalty	219,677.28
Total	\$712,645.11

The past due charges represent:

Age	User Charges	Penalty	Totals
30 days past due	\$41,163.21	\$5,698.63 *	\$46,861.84
60 days past due	46,140.13	5,823.29 *	51,963.42
90 days & greater past	104,927.73	15,924.29 *	120,852.02
Totals	\$192,231.07	\$27,446.21	\$219,677.28

* Penalty was resumed on User Accounts in the month of August 2020 and are ongoing

Summary of Past Due Charges (90 Days and Over)

Five Year Comparison

December

Year	User Charges	Penalty	Total
2020	\$104,927.73	\$15,924.29	\$120,852.02 *****
2019	42,249.41	5,454.98	47,704.39 *****
2018	37,925.83	4,581.75	42,507.58 ****
2017	42,305.17	5,072.42	47,377.59 ***
2016	40,063.15	5,460.59	45,523.74 **

*****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 December 2020

Month Ending	User Charges	Penalty	Total
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
3/31/20	45,678.23	6,089.99	51,768.22
2/29/20	43,332.92	5,779.38	49,112.30
1/31/20	40,668.53	5,110.21	45,778.74

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 December, 2020 WWTC Operations Report. Date: January 12, 2021

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

Certain highlights of operational activities included:

- Monthly flow: Average daily flows to the plant were 9.99 MGD. Total precipitation at the WWTC was 2.70". There was one excess flow event during the month of December. There were 6 days of discharge over 11 MGD.
- Activated sludge: Operating performance was good throughout the month of December. RAS chlorination took place several days throughout the month to help control filaments.
- Anaerobic Digesters: Pumped a total of 955,035 gallons of primary sludge, 632,030 gallons of WAS, and 244,066 gallons of waste grease for a total of 1,831,131 gallons pumped to digesters. Total Volatile Solids destruction was calculated at 73% for December.
- Digester gas: Total digester gas production was 4,425,187 cubic feet. 451,038 cubic feet of gas was used for anaerobic digestion heat, and 2,300,265 cubic feet was used in the CHP facilities. 830,928 cubic feet of flared gas was recorded during the month. The Munters dehumidifier used 843,586 cubic feet of gas.
- Bio-solids: Bio-solid drying and distribution season has come to a close, though the compost pilot project continues. Total Class A distribution was 799 dry tons, and Class B was 634 dry tons in 2020.
- Miscellaneous Items: CHP 1 was turned off on December 22nd to begin the media replacement process for both siloxane and H2S media. The waste activated sludge thickener integration with SCADA and testing was completed throughout the month of December. The unit is currently operating 24/7 as of January 4th, 2021.
- Electricity: Overall net energy from ComEd was: 185,346 KW-Hrs. Electricity Generated by the CHP system was 178,210 KW-Hrs. Monthly net energy (including natural gas usage) was 233 MW-Hrs for the month of December.

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

	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
12/1/2020	0.00	11.82	5.18	8.55	0.00	0.00	0.00	0.00	0.00	0.00	11.82	8.55	0.00
12/2/2020	0.00	13.69	0.73	8.66	0.00	0.00	0.00	0.00	0.00	0.00	13.69	8.66	0.00
12/3/2020	0.00	11.41	5.29	8.23	0.00	0.00	0.00	0.00	0.00	0.00	11.41	8.23	0.00
12/4/2020	0.00	10.15	4.88	7.53	0.00	0.00	0.00	0.00	0.00	0.00	10.15	7.53	0.00
12/5/2020	0.00	11.13	4.74	7.62	0.00	0.00	0.00	0.00	0.00	0.00	11.13	7.62	0.00
12/6/2020	0.00	11.15	4.37	7.60	0.00	0.00	0.00	0.00	0.00	0.00	11.15	7.60	0.00
12/7/2020	0.00	11.55	4.35	7.55	0.00	0.00	0.00	0.00	0.00	0.00	11.55	7.55	0.00
12/8/2020	0.00	10.00	0.79	7.38	0.00	0.00	0.00	0.00	0.00	0.00	10.00	7.38	0.00
12/9/2020	0.00	10.28	4.36	7.46	0.00	0.00	0.00	0.00	0.00	0.00	10.28	7.46	0.00
12/10/2020	0.00	10.17	3.92	7.24	0.00	0.00	0.00	0.00	0.00	0.00	10.17	7.24	0.00
12/11/2020	1.02	24.89	4.21	9.06	0.00	0.00	0.00	0.00	0.00	0.00	24.89	9.06	0.00
12/12/2020	0.90	28.17	21.57	23.41	30.01	11.49	0.00	0.00	0.00	0.00	58.18	34.90	18.54
12/13/2020	0.00	24.92	16.03	19.89	0.87	0.02	0.00	0.00	0.00	0.00	25.79	19.91	0.08
12/14/2020	0.00	20.43	12.03	15.59	0.00	0.00	0.00	0.00	0.00	0.00	20.43	15.59	0.00
12/15/2020	0.00	16.17	9.90	12.50	0.00	0.00	0.00	0.00	0.00	0.00	16.17	12.50	0.00
12/16/2020	0.00	15.89	8.36	11.11	0.00	0.00	0.00	0.00	0.00	0.00	15.89	11.11	0.00
12/17/2020	0.00	15.46	7.08	10.14	0.00	0.00	0.00	0.00	0.00	0.00	15.46	10.14	0.00
12/18/2020	0.00	15.51	6.30	9.61	0.00	0.00	0.00	0.00	0.00	0.00	15.51	9.61	0.00
12/19/2020	0.00	12.54	6.31	9.37	0.00	0.00	0.00	0.00	0.00	0.00	12.54	9.37	0.00
12/20/2020	0.00	12.39	5.80	9.03	0.00	0.00	0.00	0.00	0.00	0.00	12.39	9.03	0.00
12/21/2020	0.00	15.20	5.82	8.89	0.00	0.00	0.00	0.00	0.00	0.00	15.20	8.89	0.00
12/22/2020	0.00	15.07	0.90	8.50	0.00	0.00	0.00	0.00	0.00	0.00	15.07	8.50	0.00
12/23/2020	0.33	15.94	5.66	9.62	0.00	0.00	0.00	0.00	0.00	0.00	15.94	9.62	0.00
12/24/2020	0.00	13.95	6.94	9.80	0.00	0.00	0.00	0.00	0.00	0.00	13.95	9.80	0.00
12/25/2020	0.00	11.58	5.81	8.49	0.00	0.00	0.00	0.00	0.00	0.00	11.58	8.49	0.00
12/26/2020	0.00	13.83	5.62	8.49	0.00	0.00	0.00	0.00	0.00	0.00	13.83	8.49	0.00
12/27/2020	0.00	12.25	5.14	8.38	0.00	0.00	0.00	0.00	0.00	0.00	12.25	8.38	0.00
12/28/2020	0.00	10.92	4.87	8.04	0.00	0.00	0.00	0.00	0.00	0.00	10.92	8.04	0.00
12/29/2020	0.00	11.26	4.77	7.99	0.00	0.00	0.00	0.00	0.00	0.00	11.26	7.99	0.00
12/30/2020	0.38	19.10	6.69	13.21	0.00	0.00	0.00	0.00	0.00	0.00	19.10	13.21	0.00
12/31/2020	0.07	15.44	8.10	10.88	0.00	0.00	0.00	0.00	0.00	0.00	15.44	10.88	0.00
Minimum	0.00	10.00	0.73	7.24	0.00	0.00	0.00	0.00	0.00	0.00	10.00	7.24	0.00
Maximum	1.02	28.17	21.57	23.41	30.01	11.49	0.00	0.00	0.00	0.00	58.18	34.90	18.54
Total	2.70	452.27	196.51	309.82	30.88	11.51	0.00	0.00	0.00	0.00	483.15	321.33	18.62
Average	0.09	14.59	6.34	9.99	1.00	0.37	0.00	0.00	0.00	0.00	15.59	10.37	0.60

	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
40/4/0000	0.55		00.000	47.05							0.4
12/1/2020	8.55		66,632	17.05	1.2						8.1
12/2/2020	8.66	2,314	71,794	18.12	48	36	29	155	2,185		8.6
12/3/2020	8.23		71,794	18.22							
12/4/2020	7.53	2,404	74,592	16.71	54	40	30	166		4,635	
12/5/2020	7.62		74,592	16.92							
12/6/2020	7.60		74,592	17.17							
12/7/2020	7.55	2,220	74,852	20.04	44	33	25	146		3,925	8.3
12/8/2020	7.38		74,852	20.10							8.2
12/9/2020	7.46	2,120	71,467	19.15	39	28	23	132	2,868		
12/10/2020	7.24		71,467	19.09							8.1
12/11/2020	9.06	2,089	70,417	19.30	48	36	28	172	3,660		
12/12/2020	23.41		70,417	19.56							
12/13/2020	19.89		70,417	19.61							
12/14/2020	15.59	1,757	59,233	13.55	30	23	19	129		4,858	8.9
12/15/2020	12.50		59,233	13.37							9.1
12/16/2020	11.11	2,776	93,586	24.28	57	45	34	156		4,201	8.8
12/17/2020	10.14		93,586	22.66							
12/18/2020	9.61	2,619	96,883	20.63	60	46	39	171	5,559		
12/19/2020	9.37		88,280	20.56							
12/20/2020	9.03		88,280	20.46							
12/21/2020	8.89	2,636	88,860	16.75	76	56	43	213		4,984	8.5
12/22/2020	8.50		88,860	15.47							9.1
12/23/2020	9.62	2,630	88,663	14.76	75	59	46	222	3,836		8.7
12/24/2020	9.80		88,663	14.23							
12/25/2020	8.49		88,663	13.88							
12/26/2020	8.49		88,663	14.08							
12/27/2020	8.38		88,663	13.99							
12/28/2020	8.04	2,396	80,772	13.68	58	41	29	170		4,470	8.9
12/29/2020	7.99		80,772	13.26							8.9
12/30/2020	13.21	2,309	77,850	12.49					4,723		
12/31/2020	10.88	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	77,850	12.51					, ==		
			,								
Minimum	7.24	1,757	59,233.46	12.49	30.23	23.00	19.13	129.11	2,185	3,925	8.1
Maximum	23.41	2,776	96,882.88	24.28	76.26	58.67	45.98	221.60	5,559	4,984	9.1
Total	309.82		2,455,249.58		591.27	443.45	344.18	1,831.71	22,831	27,073	112.2
Average	9.99	2,356	79,201.45	17.15	53.55	40.27	31.36	166.55	3,805	4,512	8.6
werage	0.00	2,000	10,201.40	11.10	00.00	-0.21	01.00	100.00	0,000	7,012	0.0

	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
12/1/2020	8.55	270	84	1.6	1.5	107	98.7	21	34	63.7
12/2/2020	8.66	256			2.8	202	99.6	19	48	63.5
12/3/2020	8.23	300	88	1.7	3.4	233	99.7	27	46	63.7
12/4/2020	7.53							29	46	
12/5/2020	7.62							25	45	
12/6/2020	7.60							33	36	
12/7/2020	7.55	230			3.2	201	99.4	32	39	63.3
12/8/2020	7.38	240	79	3.1	3.5	215	99.7	32	35	63.1
12/9/2020	7.46	233			0.8	50	98.7	29	54	63.0
12/10/2020	7.24	245	84	3.9	1.1	66	98.8	27	58	62.8
12/11/2020	9.06							31	45	
12/12/2020	23.41	112						30	42	
12/13/2020	19.89							24	38	
12/14/2020	15.59	150			1.2	156	97.5	20	33	63.6
12/15/2020	12.50	140	66	2.8	1.0	104	98.1	19	36	59.5
12/16/2020	11.11	230			1.0	93	99.1	27	32	59.3
12/17/2020	10.14	182	66	2.2	0.6	51	99.1	23	35	59.6
12/18/2020	9.61							19	36	
12/19/2020	9.37							35	44	
12/20/2020	9.03							31	42	
12/21/2020	8.89	190			0.4	30	99.3	32	47	59.2
12/22/2020	8.50	247	60	3.0	0.4	28	99.4	29	41	60.1
12/23/2020	9.62	293	78	3.1	0.4	32	99.4	24	57	60.8
12/24/2020	9.80	234			1.0	82	98.8	8	24	
12/25/2020	8.49							6	23	
12/26/2020	8.49							16	36	
12/27/2020	8.38							23	47	
12/28/2020	8.04	220			0.9	60	99.3	19	34	58.8
12/29/2020	7.99	174	62	2.0	0.8	53	99.0	15	31	58.4
12/30/2020	13.21	216	70	3.5	1.6	176	98.4	25	35	56.8
12/31/2020	10.88	207			1.4	127	98.6	17	32	
Minimum	7.24	112	60	1.6	0.40	28	97.5	6	23	56.8
Maximum	23.41	300	88	3.9	3.50	233	99.7	35	58	63.7
Total	309.82	4,369	737	26.9	27.00	2,068	1,880.5	1,039	1,231	1,039.2
Average	9.99	218	74	2.7	1.42	109	99.0	24	40	61.1

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	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
12/1/2020	8.55	165	41	1.4	0.5	36	99.7	7.7	7.6	7.0	7.2
12/2/2020	8.66	170			0.3	22	99.8	7.6	7.6	7.0	7.2
12/3/2020	8.23	210	58	2.8	0.4	27	99.8	7.6	7.6	7.0	7.1
12/4/2020	7.53	236			0.4	25	99.8	7.6	7.4	6.9	7.1
12/5/2020	7.62	160			0.4	25	99.8				
12/6/2020	7.60	156			0.4	25	99.7				
12/7/2020	7.55	244			0.5	31	99.8	7.6	7.4	7.1	7.2
12/8/2020	7.38	200	236 160 156 244		0.6	37	99.7	7.5	7.5	6.9	7.1
12/9/2020	7.46	196			0.5	31	99.7	7.5	7.6	6.9	7.1
12/10/2020	7.24	220	46	12.8	0.4	24	99.8	7.5	7.5	6.9	7.0
12/11/2020	9.06	280			3.3	249	98.8	7.6	7.4	6.9	7.1
12/12/2020	23.41	95			8.8	1,718	90.7				
12/13/2020	19.89	72			2.3	382	96.8				
12/14/2020	15.59	116			0.7	91	99.4	7.5	7.6	7.3	7.4
12/15/2020	12.50	98	38	3.2	0.4	42	99.6	7.8	7.7	7.2	7.3
12/16/2020	11.11	170			0.7	65	99.6	7.7	7.7	7.1	7.3
12/17/2020	10.14	112	34	2.6	0.4	34	99.6	7.7	7.6	7.1	7.2
12/18/2020	9.61	120			0.2	16	99.8	7.7	7.6	7.1	7.2
12/19/2020	9.37	140			0.2	16	99.9				
12/20/2020	9.03	168			0.3	23	99.8				
12/21/2020	8.89	140			0.6	45	99.6	7.5	7.5	7.3	7.2
12/22/2020	8.50	252	33	9.5	0.3	21	99.9	7.6	7.6	7.3	7.2
12/23/2020	9.62	272	47	10.0	0.8	64	99.7	7.6	7.5	7.2	7.2
12/24/2020	9.80	236			0.6	49	99.7				
12/25/2020	8.49	160			0.4	28	99.8	7.7	7.5	7.2	7.2
12/26/2020	8.49	130			0.5	35	99.6				
12/27/2020	8.38	140			0.2	14	99.9				
12/28/2020	8.04	165			0.1	7	99.9	7.5	7.5	7.1	7.2
12/29/2020	7.99	290	36	2.5	0.1	7	100.0	7.7	7.6	7.0	7.2
12/30/2020	13.21	245	38	7.0	1.0	110	99.6	7.5	7.6	7.0	7.2
12/31/2020	10.88	140			0.9	82	99.4				
Minimum	7.24	72	33	1.4	0.1	7	90.7	7.5	7.4	6.9	7.0
Maximum	23.41	290	58	13.0	8.8	1,718	100.0	7.8	7.7	7.3	7.4
Total	309.82	5,498	422	64.8	27.2	3,381	3,078.8	159.7	158.6	148.5	150.9
Average	9.99	177	42	6.5	0.9	109	99.3	7.6	7.6	7.1	7.2

MONTHLY OPERATIONS REPORT PAGE 5

	Tertiary	Influent	Tertiary	Tertiary Effluent	Chlorine	Fecal
	Flow	Ammonia-N	Ammonia-N	Ammonia-N Load	Residual	Coliform
Date	MGD	mg/l	mg/l	lbs/day	mg/l	col/100ml
12/1/2020	8.55	18.84	0.14	10.0		
12/2/2020	8.66					
12/3/2020	8.23					
12/4/2020	7.53					
12/5/2020	7.62					
12/6/2020	7.60	17.80	0.10	6.3		
12/7/2020	7.55					
12/8/2020	7.38	18.94	0.10	6.2		
12/9/2020	7.46					
12/10/2020	7.24					
12/11/2020	9.06				0.03	
12/12/2020	23.41					
12/13/2020	19.89	6.28	0.10	16.6	0.04	
12/14/2020	15.59					
12/15/2020	12.50	14.80	0.32	33.4		
12/16/2020	11.11					
12/17/2020	10.14					
12/18/2020	9.61					
12/19/2020	9.37					
12/20/2020	9.03	16.44	0.10	7.5		
12/21/2020	8.89					
12/22/2020	8.50	18.44	0.10	7.1		
12/23/2020	9.62					
12/24/2020	9.80					
12/25/2020	8.49					
12/26/2020	8.49					
12/27/2020	8.38	17.28	0.10	7.0		
12/28/2020	8.04					
12/29/2020	7.99	17.50	0.10	6.7		
12/30/2020	13.21					
12/31/2020	10.88					
Minimum	7.24	6.28	0.10	6.2	0.03	
Maximum	23.41	18.94	0.32	33.4	0.04	
Total	309.82	146.32	1.16	100.7	0.07	
Average	9.99	16.26	0.13	11.2	0.04	

SLUDGE DATA

Primary Sludge	TS	2.28	%	955,035	Gallons
WAS to Digesters	TS	2.08		632,030	
Hauled Grease to Digs	TS	9.00		244,066	
Anaerobically Digested Sludge F				,	
Drying Beds	TS	2.80	%	74,760	Gallons
BFP	тs	1.88	%	1,016,826	Gallons
Lagoons	тs		%		Gallons
Total				1,091,586	Gallons
VS Destruction				73.0	%
Biosolids Disposal					
Class A Dist	ribution	Dec			Dry Tons
Class B	Hauling	Dec			Dry Tons
	Total	Dec			Dry Tons
Class A Dist	ribution	YTD		799	Dry Tons
Class B	Hauling	YTD		634	Dry Tons
	Total	YTD		1,434	Dry Tons
ENERGY DATA					
Total Digester C				4,425,187	
Gas Volume per Volat	ile Solids	s Load		10.0	Cu.Ft./Lb.
Digester Gas Utilization					
	eat Excha	0		451,038	
D	ehumidif			843,586	
		CHP		2,300,265	
		Total		3,594,889	
Digester Gas Flared				830,298	SCF
Natural Gas Consumed					
	V	VWTC		42,500	
		MSB		39,400	
	Chemica			68,000	
	5006 \	Nalnut		30,400	
Kilowatt-hours Generated CHP				178,210	
Net energy from Comed				185,346	KWH
Monthly net energy				233	MWH
MISCELLANEOUS					
Grit R	emoval	Dec		20	Cu. Yds
Grit R	emoval	YTD		240	Cu. Yds
Anaerobic Su	pernate			906,584	Gallons
Waste Activated	Sludge			127,914	Gals/Day
City Water Cor	nsumed			60,364	Gallons

	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
12/1/2020	8.55											
12/2/2020	8.66											
12/3/2020	8.23											20.27
12/4/2020	7.53											
12/5/2020	7.62											
12/6/2020	7.60											
12/7/2020	7.55	6.25	3.42	387.9	215.3	45.3						
12/8/2020	7.38						38.6	20.1	2,425.8	1,236.9	49.0	
12/9/2020	7.46											
12/10/2020	7.24											26.08
12/11/2020	9.06											
12/12/2020	23.41											
12/13/2020	19.89											
12/14/2020	15.59	2.87	1.26	365.5	163.8	56.1						
12/15/2020	12.50											
12/16/2020	11.11											
12/17/2020	10.14											14.84
12/18/2020	9.61											
12/19/2020	9.37											
12/20/2020	9.03											
12/21/2020	8.89	5.30	2.30	371.2	170.6	56.6						
12/22/2020	8.50											21.19
12/23/2020	9.62											
12/24/2020	9.80											
12/25/2020	8.49											
12/26/2020	8.49											
12/27/2020	8.38											
12/28/2020	8.04	4.96	2.83	326.2	189.7	42.9						
12/29/2020	7.99											18.58
12/30/2020	13.21											
12/31/2020	10.88											
Minimum	7.24	2.87	1.26	326.2	163.8	42.9	38.6	20.1	2,425.8	1,236.9	49.0	14.84
Maximum	23.41	6.25	3.42	387.9	215.3	56.6	38.6	20.1	2,425.8	1,236.9	49.0	26.08
Total	309.82	19.38	9.81	1,450.8	739.4	200.9	38.6	20.1	2,425.8	1,236.9	49.0	100.96
Average	9.99	4.85	2.45	362.7	184.9	50.2	38.6	20.1	2,425.8	1,236.9	49.0	20.19

Copy of Record	d																		
#: IL	.0028380			Permittee:		[DOWNERS GRO	VE SANITARY D	ISTRICT		Fa	acility:	D	OWNERS	GROVE S.D W	ASTEWAT	ER TRE	ATMENT CENTER	
Y	es			Permittee	Address:				1412			-	ocation: 50 DC			5			
		ıtfall		Discharge	:			HARGE FROM	401, B01, &	C01									
Dates & Status																			
ing Period: F	rom 12/01	/20 to 12/31/20		DMR Due	Date:	C	01/25/21				St	tatus:	Ne	etDMR Va	alidated				
erations for Form Cor	npletion			1															
R OF DAYS OF DISCH	HARGE.CO		LLS: A0	1-MIXING C	HAMBER	DISCHAR	RGE TO E BR OF	DUPAGE RIVE	R-EFFECTIV	E WHEN	FLOWS TO TRT	PLT AR	RE GREATER THAN	N 22 MGC	& EXCESS FLOV	V FAC IS II	N OPER	ATION. 002 BECOMES OPER	RATIONAL
al Executive Officer																			
	my			Title:		C	General Manager				Те	elephon	ie: 63	30-969-06	64				
me: U	nderwood																		
Parameter		Monitoring Location	Season #	Param. NODI	1		Quantity	y or Loading					Quality or Concentra	ation			# of Ex.	Frequency of Analysis	Sample Typ
Name						Qualifier 1	I Value 1 Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifie		Qualifier		Units			
					Sample							=	8.1	=					GR - GRAB
Oxygen, dissolved [DC	9]	1 - Effluent Gross	0								Req Mon MO AV MIN	N		v	Req MON DAILY MIN	19 - mg/L	0	DL/DS - Daily when Discharging	GR - GRAB
						1										1.0 //			
																-			CP - COMPO GR - GRAB
BOD, 5-day, 20 deg. C		1 - Effluent Gross	0									~		~-		no mg/E	0	DEDO Daily When Discharging	
										_	6.9			_	73	12 - SU		05/DW - 5 Days Every Week	GR - GRAB
n U		1 - Effluent Gross	0		Permit Req									<=			-		GR - GRAB
рп		r - Eindent Gloss	0		Value NOD	1											0		
					Sample							=	1.0	=	2.5	19 - ma/L		07/WK - Seven Per Week	CP - COMPO
Solids, total suspende	d	1 - Effluent Gross	0		Permit Req							<=	30.0 MO AVG	<=					GR - GRAB
, -	-				Value NOD	1													
					Sample							=	0.24	=	1.27	19 - mg/L		02/DW - Twice Every Discharge We	ek CP - COMPO
Nitrogen, ammonia tota	al [as N]	1 - Effluent Gross	0		Permit Req								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NOD	I													
					Sample									=					CP - COMPO
Phosphorus, total [as I	P]	1 - Effluent Gross	0												Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NOD	1													
					Sample							=							GR - GRAB
Chlorine, total residual		1 - Effluent Gross	0									<=	0.75 MO AVG			19 - mg/L	0	DL/DS - Daily when Discharging	GR - GRAB
					-										05.0	40		04/00 M	05.0515
0.1111		4 540 10	0		-														GR - GRAB GR - GRAB
Coliform, fecal general		1 - Effluent Gross	0		Value NOD												0		Cit Citab
					raide NOD														
					Comula			202 72	00 Maal/m									00/00 Continuous	
Flow, total		1 - Effluent Gross	0		Sample Permit Req			302.72 Req Mon MO TOTAI	80 - Mgal/mo L 80 - Mgal/mo									99/99 - Continuous 99/99 - Continuous	
	#: IL Y Y red Feature: O Dates & Status F ring Period: F reations for Form Core F Rerations for Form Core F al Executive Officer F al Indicator (NODI) F IODI: Parameter Name Oxygen, dissolved [DC F BOD, 5-day, 20 deg. C F pH Solids, total suspender Nitrogen, ammonia tota F Phosphorus, total [as I F Chlorine, total residual F	<pre>#: IL0028380 Yes ed Feature: 001 External Out Dates & Status ring Period: From 12/01 ferations for Form Completion ER OF DAYS OF DISCHARGE.CC 001, A01,& B01 EXCEED 30 MG al Executive Officer ame: Amy ame: Underwood a Indicator (NODI) IODI: Parameter Name Oxygen, dissolved [DO] BOD, 5-day, 20 deg. C BOD, 5-day, 20 deg. C ipH Solids, total suspended Nitrogen, ammonia total [as N] Phosphorus, total [as P]</pre>	#: IL0028380 Yes Yes Yes Yes Yes Yes Yes Pates & Status ring Period: From 12/01/20 to 12/31/20 Yes Pates & Status From 12/01/20 to 12/31/20 Yes Yes Yes Pates & Status From 12/01/20 to 12/31/20 Yes d>#: IL0028380 Yes ed Feature: 001 External Outfall Dates & Status ring Period: From 12/01/20 to 12/31/20 Gerations for Form Completion EROP DAYS OF DISCHARGE.COMBINED OUTFALLS: A0 Solidator (NODI) Indicator (NODI) Indicator (NODI) Parameter Name Oxygen, dissolved [DO] 1. Effluent Gross 0. PH Introgen, anmonia total [as N] 1. Effluent Gross 0. Chlorine, total residual Intersedual Intersedual</td> <td>#: IL0028380 Yes Permittee Permittee Permittee Permittee Permittee Permittee Permittee Pates & Status Discharge ring Period: From 12/01/20 to 12/31/20 Dates & Status Monterion From 12/01/20 to 12/31/20 MR Due terations for Form Completion MR Due earceutive Officer Montering Location ame: Amy ane: Underwood a Indicator (NODI) 1- Effluent Gross IODI: Parameter Montoring Location Name 1- Effluent Gross 0 BOD, 5-day, 20 deg. C 1- Effluent Gross 0 pH 1- Effluent Gross 0 Solids, total suspended 1- Effluent Gross 0 Phosphorus, total [as N] 1- Effluent Gross 0 Chlorine, total residual 1- Effluent Gross</td> <td>#: IL0028380 Yes Permittee: ed Feature: 001 External Outfall Discharge: Dates & Status ing Period: From 12/01/20 to 12/31/20 DMR Due Date: ing Period: From 12/01/20 to 12/31/20 DMR Due Date: ierations for Form Completion Interview Interview ierations for Form Completion Interfluent Gross Interview Interview permit Req Interfluent</td> <td># IL0028380 Yes Permittee Permittee Address: Permittee Address:</td> <td>#: IL0028380 Yes Permittee: DOWNERS GRO ed Feature: 001 External Outfall Discharge: 001-0 COMBINED DISC Dates & Status Dates & Status DMR Due Date: 01/25/21 Fring Period: From 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Feature: Amy Intersection 01/25/21 Feature: Amy Title: General Manager afficient (MOD) Inderwood Title: General Manager Iddicator (MOD): Indicring Location Sample Manager Addicator (MOD): Interfluent Gross 0 General Manager Parameter Montoring Location Sample Manager Manager Manager Interfluent Gross 0 General Manager pH Interfluent Gross 0 Sample Manager gample Interfluent Gross 0 Sample Manager pH Interfluent Gross 0 Sample Manager gample Interfluent Gross 0 Sample <</td> <td>#: IL0028380 Yes Permittee Downers GROVE SANTARY D Permittee def eature: 01 External Outfall Discharge: 2710 CUMPISS STREET PO BOX DOWNERS GROVE, IL 60515 Dates & Status Discharge: 001-0 COMBINED DISCHARGE FROM. Dates & Status From 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Gradon Form From 2001/20 to 12/31/20 DMR Due Date: 01/25/21 Gradon Koron Completion Title: Ceneral Manager andicator (NOD) Indicator (NOD) Title: Ceneral Manager Oxygen, dissolved [DD] 1. Effluent Gross 0 </td> <td>#: IL0028380 Yes Permittee: DOWNERS GROVE SANITARY DISTRICT 2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515 ed Feature: 01 External Outfall Discharge: 001-0 COMBINED DISCHARGE FROM A01, B01, 80 Dates & Status: Form 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Fraining Period: Form 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Fraining Period: Form 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Fraining Period: Form 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Fraining Period: Form 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Fraining Period: Form 12/01/20 to 12/31/20 Title: Seneral Manager Fraining Period: Indicator (NOD) Indicator (NOD) Indicator (NOD) Indicator (NOD) GOD, 5-day, 20 deg. C In Effluent Gross 0 Param. NO Quantity or Loading Indicator golds, total suppended In Effluent Gross 0 Param. NO Quantity or Loading Indicator Indicator formatic: Name Family Param. NO Quantity or Loading Indicator Indicator In</td> <td># ILO028380 Permittee DOWNERS GROVE SANITARY DISTRICT Yes Permittee Address: 2710 CURTISS STREET PO BOX 1412 Downers Grove, IL 60515 DOWNERS GROVE, IL 60515 DOWNERS GROVE, IL 60515 Dates & Jatua Discharge: COMBINED DISCHARGE FROM A01, B01, & COT Dates & Jatua Discharge: ONE Executive Officer From 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 For Discharge: Discharge: OMR Due Date: 01/25/21 Executive Officer Intervision Semonic Procence Semonic Procence Intervision Underwood Intervision Semonic Procence Semonic Procence Intervision Intervision Semonic Parameter Qualifier 1 Value 1 Qualifier 2 Value 2 Unit Qualifier 1 Songer, dissolved (DO) Intervision Semonic Parameter Qualifier 1 Value 1 Qualifier 2 Value 2 Unit Qualifier 1 Parameter Monicoring Location Semonic Parameter Semonic Parameter Qualifier 1 Value 1 Qualifier 2 Value 2 Unit Qualifier 1 Parameter Monicoring Location Semonic Parameter Semonic Parameter Qualifier 1 Value 1 Qualifier 2 Value 2 Unit Qualifier 1 Parameter Monicoring Loc</td> <td>#: IL0028380 Yes Permittee: DOWNERS GROVE SANITARY DISTRICT 2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE. Le GOSTS Fr ed Feature: 01 External Curfail Discharge: 001/0000000000000000000000000000000000</td> <td>#: Loozasa Parmitee DOWNERS GROVE, IL 5001 STRICT, DESTRICT, Parmitee, Address: DOWNERS GROVE, IL 50515 Parmitee, Parmitee, Parmitee, Address: DOWNERS GROVE, IL 50515 Parmitee, Par</td> <td>Hu002307 Permittee Address: DOWNERS GROVE SANTARY DISTRICT Permittee Address: Data Pacility Location: Pa</td> <td>Image: second control in the second</td> <td>Indexesses Indexesses Parmittee Downers South and southand south and southa</td> <td>No. Permittee DOWNERS GROVE SANTARY DISTNOT Training Period Permittee Address: DOWNERS GROVE, LL 00015 Permittee Address: DOWNERS GROVE, LL 00015 ad Feature: 01 External Outal Disblarge: 01- COMMEND DISCHARGE FROM ADI, BDI, A CDI Downers GROVE, LL 00015 NetDMR Values: Ne</td> <td>Index Index <th< td=""><td>Image: State in the state</td></th<></td>	#: IL0028380 Yes ed Feature: 001 External Outfall Dates & Status ring Period: From 12/01/20 to 12/31/20 Gerations for Form Completion EROP DAYS OF DISCHARGE.COMBINED OUTFALLS: A0 Solidator (NODI) Indicator (NODI) Indicator (NODI) Parameter Name Oxygen, dissolved [DO] 1. Effluent Gross 0. PH Introgen, anmonia total [as N] 1. Effluent Gross 0. Chlorine, total residual Intersedual #: IL0028380 Yes Permittee Permittee Permittee Permittee Permittee Permittee Permittee Pates & Status Discharge ring Period: From 12/01/20 to 12/31/20 Dates & Status Monterion From 12/01/20 to 12/31/20 MR Due terations for Form Completion MR Due earceutive Officer Montering Location ame: Amy ane: Underwood a Indicator (NODI) 1- Effluent Gross IODI: Parameter Montoring Location Name 1- Effluent Gross 0 BOD, 5-day, 20 deg. C 1- Effluent Gross 0 pH 1- Effluent Gross 0 Solids, total suspended 1- Effluent Gross 0 Phosphorus, total [as N] 1- Effluent Gross 0 Chlorine, total residual 1- Effluent Gross	#: IL0028380 Yes Permittee: ed Feature: 001 External Outfall Discharge: Dates & Status ing Period: From 12/01/20 to 12/31/20 DMR Due Date: ing Period: From 12/01/20 to 12/31/20 DMR Due Date: ierations for Form Completion Interview Interview ierations for Form Completion Interfluent Gross Interview Interview permit Req Interfluent	# IL0028380 Yes Permittee Permittee Address: Permittee Address:	#: IL0028380 Yes Permittee: DOWNERS GRO ed Feature: 001 External Outfall Discharge: 001-0 COMBINED DISC Dates & Status Dates & Status DMR Due Date: 01/25/21 Fring Period: From 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Feature: Amy Intersection 01/25/21 Feature: Amy Title: General Manager afficient (MOD) Inderwood Title: General Manager Iddicator (MOD): Indicring Location Sample Manager Addicator (MOD): Interfluent Gross 0 General Manager Parameter Montoring Location Sample Manager Manager Manager Interfluent Gross 0 General Manager pH Interfluent Gross 0 Sample Manager gample Interfluent Gross 0 Sample Manager pH Interfluent Gross 0 Sample Manager gample Interfluent Gross 0 Sample <	#: IL0028380 Yes Permittee Downers GROVE SANTARY D Permittee def eature: 01 External Outfall Discharge: 2710 CUMPISS STREET PO BOX DOWNERS GROVE, IL 60515 Dates & Status Discharge: 001-0 COMBINED DISCHARGE FROM. Dates & Status From 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Gradon Form From 2001/20 to 12/31/20 DMR Due Date: 01/25/21 Gradon Koron Completion Title: Ceneral Manager andicator (NOD) Indicator (NOD) Title: Ceneral Manager Oxygen, dissolved [DD] 1. Effluent Gross 0	#: IL0028380 Yes Permittee: DOWNERS GROVE SANITARY DISTRICT 2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515 ed Feature: 01 External Outfall Discharge: 001-0 COMBINED DISCHARGE FROM A01, B01, 80 Dates & Status: Form 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Fraining Period: Form 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Fraining Period: Form 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Fraining Period: Form 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Fraining Period: Form 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 Fraining Period: Form 12/01/20 to 12/31/20 Title: Seneral Manager Fraining Period: Indicator (NOD) Indicator (NOD) Indicator (NOD) Indicator (NOD) GOD, 5-day, 20 deg. C In Effluent Gross 0 Param. NO Quantity or Loading Indicator golds, total suppended In Effluent Gross 0 Param. NO Quantity or Loading Indicator Indicator formatic: Name Family Param. NO Quantity or Loading Indicator Indicator In	# ILO028380 Permittee DOWNERS GROVE SANITARY DISTRICT Yes Permittee Address: 2710 CURTISS STREET PO BOX 1412 Downers Grove, IL 60515 DOWNERS GROVE, IL 60515 DOWNERS GROVE, IL 60515 Dates & Jatua Discharge: COMBINED DISCHARGE FROM A01, B01, & COT Dates & Jatua Discharge: ONE Executive Officer From 12/01/20 to 12/31/20 DMR Due Date: 01/25/21 For Discharge: Discharge: OMR Due Date: 01/25/21 Executive Officer Intervision Semonic Procence Semonic Procence Intervision Underwood Intervision Semonic Procence Semonic Procence Intervision Intervision Semonic Parameter Qualifier 1 Value 1 Qualifier 2 Value 2 Unit Qualifier 1 Songer, dissolved (DO) Intervision Semonic Parameter Qualifier 1 Value 1 Qualifier 2 Value 2 Unit Qualifier 1 Parameter Monicoring Location Semonic Parameter Semonic Parameter Qualifier 1 Value 1 Qualifier 2 Value 2 Unit Qualifier 1 Parameter Monicoring Location Semonic Parameter Semonic Parameter Qualifier 1 Value 1 Qualifier 2 Value 2 Unit Qualifier 1 Parameter Monicoring Loc	#: IL0028380 Yes Permittee: DOWNERS GROVE SANITARY DISTRICT 2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE. Le GOSTS Fr ed Feature: 01 External Curfail Discharge: 001/0000000000000000000000000000000000	#: Loozasa Parmitee DOWNERS GROVE, IL 5001 STRICT, DESTRICT, Parmitee, Address: DOWNERS GROVE, IL 50515 Parmitee, Parmitee, Parmitee, Address: DOWNERS GROVE, IL 50515 Parmitee, Par	Hu002307 Permittee Address: DOWNERS GROVE SANTARY DISTRICT Permittee Address: Data Pacility Location: Pa	Image: second control in the second	Indexesses Indexesses Parmittee Downers South and southand south and southa	No. Permittee DOWNERS GROVE SANTARY DISTNOT Training Period Permittee Address: DOWNERS GROVE, LL 00015 Permittee Address: DOWNERS GROVE, LL 00015 ad Feature: 01 External Outal Disblarge: 01- COMMEND DISCHARGE FROM ADI, BDI, A CDI Downers GROVE, LL 00015 NetDMR Values: Ne	Index Index <th< td=""><td>Image: State in the state</td></th<>	Image: State in the state	

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

1 day of discharge combined with A01 and zero days combined with C01.

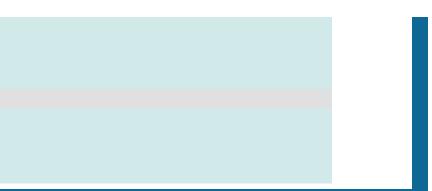
Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2021-01-13 13:38 (Time Zone: -06:00)
Report Last Signed By	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2021-01-13 13:53 (Time Zone: -06:00)



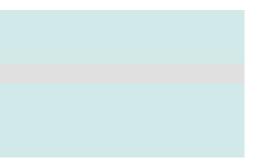
Permit	•																		
Permit	#:	IL0028380		Per	rmittee:		DOWNERS GROVE SAN	IITARY DISTRIC	т		Facil	ity:	D	OWNERS	GROVE S.D W	ASTEWAT	ER TF	REATMENT CENTER	
Major:		Yes		Per	rmittee Addı	ress:	2710 CURTISS STREET DOWNERS GROVE, IL 6					ity Locati			UT AVENUE GROVE, IL 6051	5			
Permit	ted Feature:	002 External Outf	all	Dis	charge:		002-0 MIXING CHMBR OVERF		SEPH CRK		I								
Report	t Dates & Status		~	ļ					o Er i l'orat										
	oring Period:	From 12/01/2	20 to 12/31/20	DM	IR Due Date	:	01/25/21				Statu	IS:	N	etDMR Va	alidated				
Consid	derations for For	m Completion		•															
NUMBI	ER OF DAYS OF	DISCHARGE:C	S																
Princip	oal Executive Off	licer																	
First N	ame:	Amy		Titl	e:		General Manager				Telep	hone:	6	30-969-06	64				
Last N	ame:	Underwood									·								
No Dat	ta Indicator (NOD))		•															
Form M	NODI:																		
	Parameter		Monitoring Location	Season	# Param. NODI	I		or Loading					Quality or Cor				# of Ex	x. Frequency of Analysis	Sample Type
Code	Nan	ne				Sample	Qualifier 1 Value 1 Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	2 Value 2	Qualifier 3		Units 19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00300	Oxygen, dissolv	ed [DO]	1 - Effluent Gross	0		Permit Req.									Req Mon DAILY MN		0	DL/DS - Daily When Discharging	
00000	exygen, asserv			U		Value NODI											Ū		
						Sample						=	24.7	=	24.7	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00310	BOD, 5-day, 20 d	leg. C	1 - Effluent Gross	0		Permit Req.						<=	30.0 MO AVG) <=	45.0 WKLY AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
						Value NODI													
						Sample					7.3					12 - SU		DL/DS - Daily When Discharging	
00400	рН		1 - Effluent Gross	0		Permit Req.				>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	DL/DS - Daily When Discharging	GR - GRAB
						Value NODI							12.0	=	12.0	19 - mg/L		DL/DS - Daily When Discharging	
00530	Solids, total sus	nondod	1 - Effluent Gross	0		Sample Permit Reg.						= <=	30.0 MO AVG			19 - mg/L 19 - mg/L	0	DL/DS - Daily When Discharging	
00550	Solius, total sus	pendeu	r - Enident Gloss	0		Value NODI											0	, , , , , , , , , , , , , , , , , , , ,	
						Sample								=	1.27	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00610	Nitrogen, ammo	nia total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	
						Value NODI													
						Sample								=		19 - mg/L	_	DL/DS - Daily When Discharging	
00665	Phosphorus, tota	al [as P]	1 - Effluent Gross	0		Permit Req.									Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
						Value NODI													
						Sample Permit Reg.						= <=	0.33 0.75 MO AVG	2		19 - mg/L 19 - mg/L	-	DL/DS - Daily When Discharging DL/DS - Daily When Discharging	
50060	Chlorine, total re	esidual	1 - Effluent Gross	0		Value NODI						~	0.75 100 7000	,		13 mg/E	0	DE/DO Daily When Discharging	
						Sample								=	25.0	13 - #/100mL		DL/DS - Daily When Discharging	GR - GRAB
74055	Coliform, fecal q	eneral	1 - Effluent Gross	0		Permit Req.										13 - #/100mL		DL/DS - Daily When Discharging	
	e e internit, reodi g			Ū		Value NODI											Ŭ		
						Sample	= '	18.62	80 - Mgal/mo									DL/DS - Daily When Discharging	
82220	Flow, total		1 - Effluent Gross	0		Permit Req.		Req Mon MO TOTAL	80 - Mgal/mo								0	DL/DS - Daily When Discharging	
						Value NODI													
0	ssion Noto		1		1		• • • • •		1	1	1	1		1	1	1		·	1

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	
1 day 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:	2021-01-13 13:40 (Time Zone: -06:00)
Report Last Signed By	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2021-01-13 13:53 (Time Zone: -06:00)



Permit																				
Permit	#:	IL002838	D		Permitte	e:		DOWNER	S GROVE	SANITARY D	DISTRICT		Facility:		DOWNER	RS GROVI	E S.D WASTEW	ATER TREATM	IENT CENTER	
Major:		Yes			Permitte	e Address		2710 CUR DOWNER		EET PO BOX , IL 60515	(1412		Facility L	ocation:		LNUT AVE RS GROVI	ENUE E, IL 60515			
Permit	ed Feature:	003 External C	Dutfall		Discharg	ge:		003-0 EXCESS I	FI OW TO	ST. JOSEPH	CRK		'							
Report	Dates & Status				l			2/10/2001	2011 10	CT. COOLI II	orar									
	ring Period:	From 12/0	01/20 to 12/31/20		DMR Du	e Date:		01/25/21					Status:		NetDMR	Validated				
Consid	lerations for Form (Completion											I							
NUMBE	R OF DAYS OF DIS	SCHARGE:C	S																	
Princip	al Executive Office	r																		
First Na	ame:	Amy			Title:			General M	lanager				Telephor	ne:	630-969-	0664				
Last Na	ame:	Underwoo	od										·							
No Dat	a Indicator (NODI)				•															
Form N	IODI:																			
	Parameter		Monitoring Location	Season	# Param. NOD	1			uantity or Lo	-					Quality or Concentra				f Ex. Frequency of Analysis	Sample Type
Code	Name					Sample	Qualifier 1	Value 1 Qual	lifier 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		Permit Req.											Req Mon DAILY MN	19 - mg/L	DL/DS - Daily When Dischargi	ng GR - GRAB
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					Value NODI	I I										C - No Discharge			
						Sample														
00310	BOD, 5-day, 20 deg.	. C	1 - Effluent Gross	0		Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	DL/DS - Daily When Dischargi	ng GR - GRAB
						Value NODI	1								C - No Discharge		C - No Discharge			
						Sample Permit Reg.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	DL/DS - Daily When Dischargi	ng GR - GRAB
00400	рН		1 - Effluent Gross	0		Value NODI						-	C - No Discharge				C - No Discharge	12 00	DE DO Daily When Dischargi	
						Sample							e ne bionarge				e ne biocharge			
00530	Solids, total suspen	nded	1 - Effluent Gross	0		Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	DL/DS - Daily When Dischargi	ng GR - GRAB
	, --					Value NODI	I								C - No Discharge		C - No Discharge			
						Sample														
00610	Nitrogen, ammonia	total [as N]	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Dischargi	ng GR - GRAB
						Value NODI	1										C - No Discharge			
						Sample Permit Reg.											Reg Mon DAILY MX	19 - ma/l	DL/DS - Daily When Dischargi	
00665	Phosphorus, total [a	as P]	1 - Effluent Gross	0		Value NODI											C - No Discharge	19 - 119/L	DE/DO - Daily When Dischargi	
						Sample											e ne bischarge			
50060	Chlorine, total resid	lual	1 - Effluent Gross	0		Permit Req.								<=	0.75 MO AVG			19 - mg/L	DL/DS - Daily When Dischargi	ng GR - GRAB
				, C		Value NODI	1								C - No Discharge					
						Sample														
74055	Coliform, fecal gene	eral	1 - Effluent Gross	0		Permit Req.										<=		13 - #/100mL	DL/DS - Daily When Dischargi	ng GR - GRAB
						Value NODI	1										C - No Discharge			
						Sample Permit Reg.			Dog	Ion MO TOTAL	90 Maal/ma								DL/DS - Daily When Dischargi	ng
82220	Flow, total		1 - Effluent Gross	0		Value NODI				No Discharge	oo - wgai/mo	,							וואס - סטעוויא vvnen טוגכחargi	
Out and	ssion Note								0-1	to 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

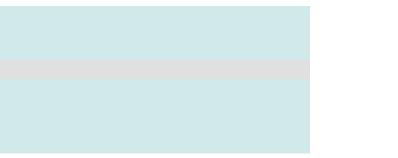
No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

Dorrance Berry
rberry@dgsd.org
2021-01-13 13:42 (Time Zone: -06:00)
reeseberry
Dorrance Berry
rberry@dgsd.org
2021-01-13 13:53 (Time Zone: -06:00)



Permit																				
Permit	#:	IL0028380		Permit	tee:	DO	WNERS G	ROVE	E SANITAF	RY DISTRICT		1	Facility:		D	OWNEF	RS GROVE S.D	WASTEWATE	R TREATMENT CENTER	
Major:		Yes		Permit	tee Address		0 CURTIS WNERS G		-	BOX 1412 5		1	Facility	Location			LNUT AVENUE RS GROVE, IL 609	515		
Permit	ed Feature:	A01 External Outfa	II	Discha	irge:	A0 1 EX0	-	W FR	OM EXCE	SS FLOW CLAR	IFIERS									
Report	Dates & Status																			
Monito	ring Period:	From 12/01/20) to 12/31/20	DMR D	ue Date:	01/2	25/21					:	Status:		Ν	etDMR	Validated			
Consid	lerations for For	m Completion																		
NUMBE	R OF DAYS OF	DISCHARGE:C	S																	
Princip	al Executive Off	ficer																		
, First N		Amy		Title:		Ger	neral Mana	aaer				ŀ	Telepho	ne:	6	30-969-(0664			
Last Na		Underwood						J •				I								
	a Indicator (NOD			1																
Form N																				
Formit	Parameter		Monitoring Location	Season #	Param, NODI				Quantity	/ or Loading				Qu	ality or C	oncentra	tion	# of Ex	. Frequency of Analysis	Sample Type
Code	Nan			0000011	i ululii itobi		Qualifier 1	Value 1		-	Units	Qualifier	1 Value 1	Qualifier 2				Units		oumpio rypo
						Sample									-	-	78.4	19 - mg/L	DL/DS - Daily When Discharging	
00310	BOD, 5-day, 20 d	leg. C	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY MX	19 - mg/L 0	DL/DS - Daily When Discharging	GR - GRAB
						Value NODI														
						Sample										=	26.0	19 - mg/L	DL/DS - Daily When Discharging	
00530	Solids, total sus	pended	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY MX	0 19 - mg/L	DL/DS - Daily When Discharging	GR - GRAB
						Value NODI														
						Sample Permit Req.										=	3.06 Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Discharging DL/DS - Daily When Discharging	
00610	Nitrogen, ammor	nia total [as N]	1 - Effluent Gross	0		Value NODI												0	DEDO Daily When Discharging	
																=	1.37	19 - mg/L	DL/DS - Daily When Discharging	
00005	Dhaanhamia tati	al faa Di	1 Effluent Cross	0		Sample Permit Req.										=	Req Mon DAILY MX		DL/DS - Daily When Discharging	
00665	Phosphorus, tota	ai [as P]	1 - Effluent Gross	0		Value NODI												<u> </u>		
						Sample	-		=	11.51	80 - Mgal/mo								DL/DS - Daily When Discharging	CN - CONTIN
82220	Flow, total		1 - Effluent Gross	0		Permit Req.				Req Mon MO TOTAL								0	DL/DS - Daily When Discharging	
OLLEO	i lon, total			Ũ		Value NODI												Ŭ		
Submi	ssion Note		I																	
		not contain any	values for the Sam	nle nor F	-ffluent Tradi	ing then p	one of the	followi	ina fields v	will be submitted f	or that row: I	Inits Nu	imber of	Excursion	ns Fred		of Analysis and Se	ample Type		
	neck Errors	not contain any	values for the dam			ing, tion it		101101	ing licius v		or that fow. (, into, into		LX0013101	113, 1100	acricy c		апрістурс.		
No erro	13.																			

Comments

1 day of discharge. Event 1: 12/12/20 to 12/13/20, discharging for 21.9 hours. 1.92 inches of rain over 21 hours. B01 flow rate at A01 start time: 15,550 gpm.

Attachments	
No attachments.	
Report Last Saved By	
DOWNERS GROVE SANITARY DISTRICT	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2021-01-13 13:47 (Time Zone: -06:00)
Report Last Signed By	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2021-01-13 13:53 (Time Zone: -06:00)

.,																			
Permit																			
Permit #: IL00283	380		Permitte	ee:	D	OWNERS	GROVE SAN	ITARY DI	STRICT			Facility:		DOWNERS GRO	OVE S.D WASTE	EWATER	R TREAT	MENT CENTER	
Major: Yes			Permitte	ee Address:			S STREET		1412			Facility Loc	ation:	5003 WALNUT A DOWNERS GRO					
Permitted Feature: B01 Externa	al Outfall		Dischar	ge:		801-0 NTERNAL	MIXING CHM	BR - E. BF	R. DUPAGE RVR										
Report Dates & Status			1																
Monitoring Period: From 1	2/01/20 to 12/31/20		DMR Du	ue Date:	0	1/25/21						Status:		NetDMR Validat	ed				
Considerations for Form Complete	ion																		
DMF LOAD LIMITS DISPLAYED.																			
Principal Executive Officer			THE		0							I Talantana.		C20.0C0.0CC4					
First Name: Amy Last Name: Underw	rood		Title:		G	Seneral Ma	inager					Telephone:		630-969-0664					
	/000																		
No Data Indicator (NODI) Form NODI:																			
Parameter	Monitoring	g Locatio	on Season #	# Param. NODI			Qu	antity or L	oading					Quality or Concentration			# of Ex.	Frequency of Analysis	Sample Ty
Code Name						Qualifier 1	Value 1	Qualifier	2 Value 2	Units	Qualifier	1 Value 1	Qualifie			Units	_		
00011 Temperature, water deg. fah	renheit 1 - Efflue				Sample Permit Req									=	55.2 Req Mon MO MAX	15 - deg F 15 - deg F		01/30 - Monthly 01/30 - Monthly	GR - GRAB GR - GRAB
00011 Temperature, water deg. fahr	rennen 1 - Elliue	ni Gioss	5 0		Value NOD												0		
					Sample						=	8.6	=	8.2 =	8.1	19 - mg/L		03/DW - 3 Days Every Week	GR - GRAB
00300 Oxygen, dissolved [DO]	1 - Efflue	nt Gross	s 1		Permit Req						>=	5.5 MO AV MN	>=	4.0 MN WK AV >=	3.5 DAILY MN	19 - mg/L	0	02/DA - 2 Days Every Week	GR - GRAB
					Value NOD	1													
00400					Sample Permit Req	L.					= >=	6.9 6.0 MINIMUM		= <=	7.3 9.0 MAXIMUM	12 - SU 12 - SU		05/DW - 5 Days Every Week 02/DA - 2 Days Every Week	GR - GRAB GR - GRAB
00400 pH	1 - Efflue	nt Gross	s 0		Value NOD												0		
					Sample									=	135.0	19 - mg/L		01/30 - Monthly	CP - COMP
00410 Alkalinity, total [as CaCO3]	1 - Efflue	nt Gross	6 0		Permit Req										Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMP
					Value NOD														
					Sample Permit Req		109.05 2202.0 MO AVG	=	1717.81 4404.0 DAILY MX	26 - lb/d			= <=	0.9 = 12.0 MO AVG <=	8.8 24.0 DAILY MX	19 - mg/L 19 - mg/L		05/DW - 5 Days Every Week 02/DA - 2 Days Every Week	CP - COMP CP - COMP
00530 Solids, total suspended	1 - Efflue	nt Gross	s 0		Value NOD		2202.0 110 7100	~-		20 10/0			~-			15 mg/E	0	DEADIN 2 Days Every Week	
					Sample									=	20.1	19 - mg/L		01/30 - Monthly	CP - COMP
00600 Nitrogen, total [as N]	1 - Efflue	nt Gross	6 0		Permit Req										Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMP
					Value NOD														
					Sample Permit Req		11.19 734.0 MO AVG	=	33.36 1376.0 DAILY MX	26 - lb/d			= <=	0.13 = 4.0 MO AVG <=	0.32 7.5 DAILY MX	19 - mg/L 19 - mg/L	-	02/DA - 2 Days Every Week 02/DA - 2 Days Every Week	CP - COMP CP - COMP
00610 Nitrogen, ammonia total [as	N] 1 - Efflue	nt Gross	5 11		Value NOD		754.0 100 700	~-	1070.0 DAILT WAX	20 10/0			~-	4.0 100 700 2	T.S DALET MAX	15 mg/E	0	OZIDIN Z Days Every Week	
					Sample	-								=	1.4	19 - mg/L		01/30 - Monthly	CP - COMP
00625 Nitrogen, Kjeldahl, total [as l	N] 1 - Efflue	nt Gross	s 0		Permit Req										Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMP
					Value NOD	1													
					Sample Permit Req									=	18.7 Req Mon DAILY MX	19 - mg/L		01/30 - Monthly 01/30 - Monthly	CA - CALCT CA - CALCT
00630 Nitrite + Nitrate total [as N]	1 - Efflue	nt Gross	s 0		Value NOD											. IS ING/E	0	o noo Monany	ON ONLO
					Sample	-								=	3.42	19 - mg/L		01/30 - Monthly	CP - COMP
00665 Phosphorus, total [as P]	1 - Efflue	nt Gross	s 0		Permit Req										Req Mon DAILY MX			01/30 - Monthly	CP - COMP
					Value NOD	1													
					Sample									=	3.34	19 - mg/L		01/30 - Monthly	CP - COMP
00666 Phosphorus, dissolved	1 - Efflue	nt Gross	s 0		Permit Req Value NOD										Req Mon DAILY MX	. 19 - mg/L	0	01/30 - Monthly	CP - COMP
					Sample									=	139.0	19 - mg/L		01/30 - Monthly	GR - GRAB
00940 Chloride [as Cl]	1 - Efflue	nt Gross	6 0		Permit Req										Req Mon DAILY MX			01/30 - Monthly	GR - GRAB
					Value NOD	1													
					Sample		9.99	=	23.41	03 - MGE								99/99 - Continuous	
50050 Flow, in conduit or thru treat	tment plant 1 - Efflue	nt Gross	s 0		Permit Req		Req Mon MO AV	G	Req Mon DAILY M>	x 03 - MGE)						0	99/99 - Continuous	
					Value NOD	1													

				Sample									=	0.04	19 - mg/L		CL/OC - Chlorination/Occurances	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	1	 Permit Req.									<=	0.05 DAILY MX	19 - mg/L	0	CL/OC - Chlorination/Occurances	GR - GRAB
				Value NODI												-		
				Sample	=	108.85	=	233.48	26 - Ib/d	:	=	1.42	=	3.5	19 - mg/L		04/07 - Four Per Week	CP - COMPOS
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	 Permit Req.	<=	1835.0 MO AVG	<=	3670.0 DAILY MX	26 - lb/d		<=	10.0 MO AVG	<=	20.0 DAILY MX	19 - mg/L	0	02/DA - 2 Days Every Week	CP - COMPOS
CCCCL			Ū	Value NODI												Ū		
Submi	ssion 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 Err

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:	2021-01-13 13:52 (Time Zone: -06:00)
Report Last Signed By	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2021-01-13 13:53 (Time Zone: -06:00)

Permit																					
Permit	#:	IL0028380		Per	mittee:		DOWNE	RS GROVE S	ANITARY DISTRIC	т	Facilit	v:		DOWN	NERS GR	OVE S.D WAS	TEWATE		IENT CENTER		
Major:		Yes			mittee Add	ress:	2710 CU		ET PO BOX 1412		Facilit	-	ation:	5003 N	WALNUT	AVENUE OVE, IL 60515					
Permitt	Permitted Feature: C01 External Outfall		Dis			C01-0 EXCESS FLOW FROM CLARIFIER #1															
Report	Dates & Status										_										
Monito	ring Period:	From 12/01/	20 to 12/31/20	DM	R Due Date	:	01/25/21				Status:		NetDMR Validated								
	erations for Forn																				
	R OF DAYS OF D		S																		
	al Executive Offi			I							1										
First Na		Amy		Title	e:		General	Manager			Teleph	none:		630-96	69-0664						
Last Na		Underwood																			
Form N	a Indicator (NOD	") 																			
FORMIN	Parameter		Monitoring Location	Season #	Param. NODI			Quant	ity or Loading				Q	uality or C	oncentratio	on	#	# of Ex. F	Frequency of Analysi	s S	ample Type
Code	Nam	ne	J T J				Qualifier 1	Value 1 Qualifier		Units	Qualifier 1	Value 1		2 Value 2 Q		Value 3	Units				
00040		•				Sample Permit Req.									R	eq Mon DAILY MX	19 - ma/L	DL/D	S - Daily When Discha	raina G	R - GRAB
00310	BOD, 5-day, 20 de	eg. C	1 - Effluent Gross	0		Value NODI										C - No Discharge				33	
						Sample															
00530	Solids, total susp	pended	1 - Effluent Gross	0		Permit Req.										eq Mon DAILY MX	19 - mg/L	DL/D	S - Daily When Discha	rging G	R - GRAB
						Value NODI										C - No Discharge					
						Sample Permit Req.									R	eq Mon DAILY MX	19 - ma/l	ם/ ום	S - Daily When Discha	raina G	R - GRAB
00610	Nitrogen, ammon	nia total [as N]	1 - Effluent Gross	0		Value NODI										C - No Discharge	io ing/E			iging C	
						Sample															
00665	Phosphorus, tota	al [as P]	1 - Effluent Gross	0		Permit Req.									R	eq Mon DAILY MX	19 - mg/L	DL/D	S - Daily When Discha	rging G	R - GRAB
						Value NODI									1	C - No Discharge					
						Sample			Req Mon MO TOTAL	00 Maal/ma									S - Daily When Discha		
82220	Flow, total		1 - Effluent Gross	0		Permit Req. Value NODI			C - No Discharge	ou - ivigai/mu									5 - Daily When Discha		
Submit	sion Note					Value NODI			0 - No Discharge												
		not contain anv	values for the Sam	nle nor F	Effluent Trad	ing then no	one of the	following fields	will be submitted f	or that row: I	Inite Nur	nhor of	Evoursio	one Frequ	iency of A	alveis and Sar	nnle Type				
	eck Errors	lot contain any	values for the Sam			ing, then no		Tollowing helds		or that row. (Jinto, Nur		LACUISIC	5113, 1 TEQU		anaiysis, and Sai	пріє туре.	•			
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User: Name:				eeseberr orrance	-																
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User:	2400 0.g.104 2.j		re	eseberr	rv																
Name:					Berry																
E-Mail:				perry@d																	
Date/Ti	me:				13 13:53 (Time Zone:	-06:00)														

Permit																			
Permit	mit #: IL0028380		P	ermittee:		DOWN	IERS GROVE SANITAR	Y DISTRI	СТ	Facil	ity:	DC	WNERS GROV	E S.D \	WASTEWATER T	REATMEN	NT CE	ENTER	
Major:		Yes	P	ermittee A	ddress:		CURTISS STREET PO B IERS GROVE, IL 60515	OX 1412		Facil	ity Locat		03 WALNUT AVE WNERS GROVE		15				
Permit	ed Feature:	INF Influent Structure	D	ischarge:		INF-L INFLU	ENT MONITORING												
Report	Dates & Status																		
Monito	ring Period:	From 12/01/20 to 1	12/31/20 D	MR Due Da	ate:	01/25/2	21			Statu	IS:	Ne	tDMR Validated	l					
Consid	lerations for Form (Completion	1							•									
CS																			
Princip	al Executive Office	r																	
First Na		Amy	т	tle:		Genera	al Manager			Teler	ohone:	630	0-969-0664						
Last Na		Underwood					g												
	a Indicator (NODI)	01100111000																	
Form N																			
FOILIN	Paramete		Monitoring Location	Season	# Param. NODI		Qua	antity or Lo	ading				Quality or Conc	entration		±	# of Fx	. Frequency of Analys	sis Sample Type
Code		ime					Qualifier 1 Value 1	Qualifier	-	Units	Qualifier 1	Value 1 Qualifier 2		Qualifier	3 Value 3	Units			ine campie type
						Sample						=	218.0			19 - mg/L		09/99 - See Permit	CP - COMPOS
00310	BOD, 5-day, 20 deg.	С	G - Raw Sewage Influe	ent 0		Permit Req.							Req Mon MO AVG			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
						Value NODI													
						Sample						=	177.0			19 - mg/L		09/99 - See Permit	CP - COMPOS
00530	Solids, total suspen	ded	G - Raw Sewage Influe	ent 0		Permit Req.							Req Mon MO AVG			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
						Value NODI													
		_				Sample Permit Reg.								=	38.6 Req Mon DAILY MX	19 - mg/L 19 - mg/l		01/30 - Monthly 01/30 - Monthly	CP - COMPOS CP - COMPOS
00600	Nitrogen, total [as N]	G - Raw Sewage Influe	ent 0		Value NODI										13 mg/E	0	o noo monany	
						Sample									6.25	19 - mg/L		01/30 - Monthly	CP - COMPOS
00005	Dhaamhamaa (atal (- 51				Permit Reg.								=	Req Mon DAILY MX	U	0	01/30 - Monthly	CP - COMPOS
00000	00665 Phosphorus, total [as P]		G - Raw Sewage Influent	ent U		Value NODI										<u> </u>	0	,	
						Sample	= 9.78	-	22.63	03 - MGD								99/99 - Continuous	
50050	Flow, in conduit or	hru treatment plant	G - Raw Sewage Influe	ant 0		Permit Req.	Req Mon MO AVG	i	Req Mon DAILY MX								0	99/99 - Continuous	
50050	now, in conduit of	and deathent plant	G - Naw Gewaye Innue	JIL U		Value NODI											0		

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 2021-01-13 13:53 (Time Zone: -06:00) Date/Time: Report Last Signed By User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org Date/Time: 2021-01-13 13:53 (Time Zone: -06:00)

DOWNERS GROVE SANITARY DISTRICT

MEMO

TO: Amy Underwood, General Manager

FROM: Jeff Barta, Maintenance Supervisor

DATE: January 13, 2021

SUBJECT: December 2020 Maintenance Report

Attached is a work order summary detailing equipment repair and preventive maintenance activities conducted by the maintenance/electrical department and operations during December 2020.

Special projects in December included:

Excess Flow Clarifiers – Traveling Bridge Control Panel Replacements

I mentioned in last month's report that I anticipated the installation of the second control panel and related additional items would be completed in the few weeks after the December Board meeting. Unfortunately, due to Covid staffing issues, employee vacations and the holidays, we were not able to complete the installation of the control panel on the second bridge. We were, however, able to complete a related item for this project which was the motor overhauls on both bridges.

There is a combined total of 6 motors on the traveling bridges: two (2) skimmer arm motors and one (1) main drive motor on each bridge. The motors were sent to Rainbow Electric and were completely rebuilt and new motor brakes were installed. The total cost of the six (6) motor overhauls including the new motor brakes was \$14,130.64. This was under our planned budgeted expense of \$15,000.00 in our FY20-21 budget.

The second bridge control panel is scheduled to be installed next week. Once completed, a total cost summary for everything related to this project will be provided in next month's report.

Grit Pump 2 - Overhaul & Mechanical Seal Replacement

Grit pump 2 was removed from service due to a leaking mechanical seal. The pump was completely overhauled with a new shaft, mechanical seal, bearings and grease seals. All of the work related to this pump overhaul was completed in-house by District Maintenance staff. The pump is back online and operating as expected.

Parts related to this overhaul were purchased from LAI, John Crane and Motion Industries at a total cost of \$5,871.62.

Primary Clarifier 7 Cross Collector – Right Angle Gearbox Replacement

It was brought to my attention that the underwater cross collector was not functioning. After draining and cleaning the tank, we discovered that the vertical drive shaft coupler had come loose allowing the driveshaft to slip down onto the gearbox. This damaged the top of the gearbox and caused the failure. The driveshaft was repositioned and secured and the right angle gearbox that was damaged was replaced.

All of the work related to this project was completed in-house by District maintenance staff. The new gearbox and miscellaneous supplies for this project were purchased from McMaster-Carr and Motion Industries at a total cost of \$792.79.

Hobson Lift Station – Cathodic Protection System Failure

In 2014, the cathodic protection systems were replaced at all of the lift stations that have underground steel structures. The cathodic protection systems each consist of a rectifier control panel and sacrificial anodes that are installed into drilled well holes around the perimeter of the steel structure. Typically, these systems have a life cycle of approximately 20 years before the anodes become depleted and would require replacement.

We budget every three (3) years to have our cathodic protection systems inspected and tested to verify that they are operational and providing corrosion protection of the underground steel structures. This past summer, Corrpro Inc. was out to perform the testing and found that the cathodic system at the Hobson lift station was not functioning properly.

Initially, Corrpro Inc. expected that either an underground splice on the cabling between the rectifier and the anodes was the cause or we had a broken/cut cable. In addition to these possible cable issues, there was another possibility that the cathodic protection system on a large Nicor Gas pipeline that runs along the driveway at the lift station might be causing interference or false signal readings on our system.

Corrpro Inc. provided a proposal in the amount of \$3,300 to troubleshoot our system, run additional tests and repair any problems found with the underground cabling. Included in their proposal was contacting Nicor to temporarily shut down their cathodic protection system to verify that is wasn't causing interference or false readings on our system.

There was an underground splice that was suspect, and it was re-terminated. After that was resolved, testing continued with and without the Nicor system being activated. Unfortunately, it does seem that our anodes are depleted and the interference from the Nicor gas pipeline cathodic protection system has likely caused the premature failure of our anodes at this location.

Corrpro Inc. is working on a proposal that will hopefully provide a recommendation to address the interference from the Nicor Gas pipeline and to replace the anodes. I have already received a budgetary recommendation from Corrpro Inc. that it will likely be an expense of approximately \$18,000. The majority of this expense will be drilling new well holes to place the new anodes approximately 20 feet deep around the lift station.

I anticipate being able to provide an update on this project in my February or March maintenance report.

Administration Center – COVID Preparations to Re-Open to the Public

In order to provide additional social distancing with the general public at the Administration Center, we have added a couple of new safety features at the front entrance.

We have added a new electronic door latch control which will allow us to the front door locked. When a customer arrives, we can push a button to unlock the front door and only allow one (1) customer in at a time. In addition to the electronic door latch, we have also installed a wireless intercom system. This will allow the customers on the outside of the building to talk with our staff before entering. This will reduce the possibility of physical interaction if the customer just needs to drop something off. A small table has also been added in the vestibule area for this purpose when a contactless interaction is appropriate. Since the Admin Center opened to the public again on January 11, this system has been invaluable for ensuring employee contact with the public has been limited.

Work Order Summary

Work Order Completion Dates from 12/2/2020 to 12/29/2020

Work Assignment	Completion Date	Equipment	NOTATIONS
2000 Hour Grease of the UNISON	02-Dec-20	OCHP Gas Cleaning	
BLOWER MOTOR		System	
Run And Inspect Generators With The Load Of The Plant		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
EXCESS 003- Exercise 30" and 4" DEZURIK Valves		Excess Flow 003 Valves	
Exercise of Excess Influent and Effluent Gates		Excess Flow Clarifier 1	
		Excess Flow Clarifier 2	
		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	
Exercising of Inf, Eff, Drain and ill valves at Filter Building		Filter 1	
		Filter 2	
		Filter 3	
		Filter 4	
		Filter 5	
		Filter 6	
Overhaul and replace leaking nechanical seal.		Grit Pump 2	Pull pump, disassemble clean & inspect. Replace shaft, packing gland, bearings and grease seals. Reassemble
			pump with new mechanical seal and reinstall. Also replace drive belt.
Exercise Ratio Valve #2		Tunnel - System 2 RAS	
Flush Pearth 2 with 3 oz of Kerosene/Oil mixture	03-Dec-20	Digester 2 Mixing System	
2000 Hour Grease of Plant		Plant Effluent Water	
Effluent Pumps Grease Pump Bearings on 1-6		Pump #2 RAS Pump 1	
RAS pumps		RAS Pump 2	
		RAS Pump 3	
		RAS Pump 4	
		RAS Pump 5	
		RAS Pump 6	
Exercising of plant water main		Yard Piping - City Water	
valves		Talu Fipilig - City Water	
Replace carriage drive gear.	07-Dec-20) Filter 5	Replaced upper and lower sprockets with new.
Diagnose and repair block heating system on generator.		Portable Generator 350	Replaced block heater with new from stock. Ordered new block heater for stock. Replaced wiring to block heater.
Exercising of all valves for secondaries 1 and 2 U-tubes		Secondary Clarifier 1	
		Secondary Clarifier 2	
		Secondary Clarifier 3	
		Secondary Clarifier 4	

Work Assignment	Completion Date	Equipment	NOTATIONS
		Secondary Clarifier 5	
Check All Fluids In The Equipment Listed Below	08-Dec-20	2009 Sterling LT 7500	
		2013 Wheel Loader #334	
		2014 Freightliner M2106 6 yd d	
		2015 Wheel Loader #332	
		2017 Deere 544K Wheel Loader	
		2019 Skid Steer	
		4 inch Jaeger Pump	
		6 in CH&E DSL TRSH PMP PERKIN	
		6 in CHE Diesel Trash Pump C/P	
		6 in JAEGER PUMP (FORD)	
Monthly Liquid Status of Under Ground Diesel Tank		Emerg Gen Diesel Storage Tank	
Check All Fluids In The Equipment Listed Below		Portable Generator 150	
		Portable Generator 200	
		Portable Generator 350	
		WWTC ODS Pump Air Compressor	
Exercise valves at Belt Press Building	09-Dec-20	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	
Turn on and run Chlorine Contact Tank sweep arm		Chlorine Contact Tank	
500 Hour Oil Change on Pearth 4		Digester 4 Mixing System	
Replace wheels and axles on traveling bridge scrapers		Excess Flow Clarifier 1	Replaced wheels and axles on excess flow tanks' scrapers.
		Excess Flow Clarifier 2	
		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	
2 MONTH EXERCISE OF INTERMEDIATE VALVES		Excess Flow Pump Station	
		Intermediate Sludge Pump 1	
		Intermediate Sludge Pump 2	
Diagnose and repair broken cross		Primary Clarifier 7	Determined loose upper driveshaft coupler caused
Thursday, January 14, 2021			Page 2 of 4

Work Assignment	Completion Date	Equipment	NOTATIONS
collector.			premature failure of right angle gear box.
Exercise both 24" primary influent ratio valves		Tunnel From PS to Grit	
		Tunnel/Chan Primary Clarifiers	
Change Pre-Filters Blowers 1 - 4.	11-Dec-20	0 Blower Bag Room	
Check V-Belt, Grease Pillow Block Bearing Heat Exchangers 2- 5		Digester 1 Heat Exchanger	
		Digester 2 Heat Exchanger	
		Digester 3 Heat Exchanger	
		Digester 4 Heat Exchanger	
		Digester 5 Heat Exchanger	
Monthly Cross Collector Check		Primary Clarifier 3	
		Primary Clarifier 4	
		Primary Clarifier 5	
		Primary Clarifier 6	
		Primary Clarifier 7	
		Primary Clarifier 8	
		Primary Clarifier 9	
3 Month Grease- Secondaries 1 &		Secondary Clarifier 1	
		Secondary Clarifier 2	
Replace upper & lower flight shoes. Repair upper rail on south side.	14-Dec-20	0 Primary Clarifier 7	Replaced upper and lower shoes on flights. Repaired upper rail South side, West end. Ground high spots down on lower rail. Verified proper operation.
Purchase a spare thermal mass gas flow meter.	15-Dec-20	Digester Gas Metering	Purchase a spare gas flow meter for stock to replace the meter that was used for the Munters unit.
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Run And Inspect Generators With The Load Of The Plant	16-Dec-20	DEmergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Replace water bath pump motor that failed.	18-Dec-20	0 Digester 1 Heat Exchanger	Replace the pump motor, bearing assembly and spring coupler. Note: The first new motor from Neuco was defective. (Noisy) Replacement provided under warranty.
Replaced heater/blower motor on #322	21-Dec-20	02011 Ford Ranger	
3 Months Inspection on Electric Carts and Front End Loader	28-Dec-20	0 2014 Club Car Carry-all #2	
		2016 Club Car Carryall 300	
		2019 Yamaha UMAX 2 AC (#3)	
Piston pump 5 check ball seat replacements	29-Dec-20	0 Primary Sludge Pump 5	Replaced check valve seats on piston pump #5. Replaced discharge valve w/ stainless steel seat, replaced inlet valve with rubber seat. Replaced shear pin and ball valve on

Page 3 of 4

Work Assignment	Completion Date	Equipment	NOTATIONS

water hammer drain.

DOWNERS GROVE SANITARY DISTRICT M E M O

DATE: January 7, 2021

Amy Underwood General Manager

TO:

FROM: Robert Swirsky Sewer System Maintenance Supervisor RE: Monthly Report - December, 2020 Year to Date 1. JULIE Line Markings: Current Received 625 13605 In District 602 12637 Marked 137 2205 934 Man Hours 57 2. **Building Service:** Current Year to Date **BSSRAP TV Inspections** 198 18 a. b. **Emergency BSSRAP Repairs** 07 99 Total BSSRAP Repairs 12 143 c. I&I inspections 00 01 d. I&I C.O. installation 00 04 e. f. Replace broken cleanout caps 01 13 **OHSP TV Inspections** 07 g. 00 Post Rodding TV 05 69 h. 3. Year to Date Sewer backups: Current Public sewer 03 a. 8 b. Private sewer 20 219 Surcharged main 00 36 с. Pump station d. 00 0 Total 23 263 Current Year to Date 4. Sewer Cleaning (DGSD personnel): 0 229,181 Ft. a. Sewer Cleaning (outside contractors): 0 345 Ft. 5. Main Sewer Televising (DGSD personnel): 770 6,302 Ft. a. Sewer Televising (outside contractors): 0 60,646 Ft. 6. LETS TV 0 2 7. Manhole inspections 0 153

- Sewer and manhole repairs and replacements by Uno Construction: 1E-134 to 1E-133, removed a leaking abandoned service connection. FMV-001 to FMV-BEND-001-B, repaired the leaking forcemain. G2-020, Replaced the manhole frame and lid and adjusted it to grade.
- 9. Miscellaneous: (sewer system personnel)
 - a. CHP Media Removal WWTC.

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

DOWNERS GROVE SANITARY DISTRICT M E M O

DATE: January 14, 2021									
TO: Amy R. Underwood General Manager									
FROM: Keith Shaffner Sewer Construction Supervisor									
RE: Monthly Report: Sewer Construction \ Code Enforcement – December 2020									
1.	Perm	its issued:	Current	Year to Date					
	b. c. d. e.	Single family Multiple family Commercial Repair Disconnection Total	$\begin{array}{c}1\\0\\0\\0\\\underline{0}\\1\end{array}$	$ \begin{array}{r} 43 \\ 1 \\ 9 \\ 10 \\ \underline{35} \\ 98 \end{array} $					
2.	Inspe	ections made:	Current	Year to Date					
	b. c. d. e. f. g. h. i. j.	Connections Finals Repairs Disconnects Groundwork Walk-Thru Pre-connections Overhead Sewer Program Code Enforcement Lateral testing Total	5 3 0 3 0 0 0 0 2 1 3 17	$ \begin{array}{c} 63\\ 62\\ 13\\ 40\\ 4\\ 0\\ 9\\ 6\\ 17\\ \underline{64}\\ 278\\ \end{array} $					

3. New Sewer Extension Construction:

a. None

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

a. None

5. Code Enforcement:

a. 1121 Robey – Contractor digging without permit investigation

- 6. Plan & Permit Reviews:
 - a. 5117 Fairview Multi Family Review
- 7. Building Sanitary Service Access Agreements:
 - a. 4340 Elm 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 has continued to work in the field using safe social distancing and personal protective equipment as necessary to complete District inspections. I have been working from home and coming into the Administration Center as necessary. I was in the field covering inspections for the last two weeks of December while Inspector Danny Jasso was on vacation.
 - b. The District has extended an offer to an applicant for the Permit Tech position.

CC: WDVB, AES, PWC, KJR, RTJ, MJS, RPS, WCC & MGP

Permits Issued: NOVEMBER 2020

YEAR	PERMIT #	ADDRESS	STREET	CIT	Γ	ISSUE	TYPE	TAP FEE	INSP FEE
2020	89	4340	ELM	DG	3	12/3/2020	SF-RB		\$223.00
					т	OTAL			\$223.00

Permit Final Inspections: DECEMBER 2020

YEAR	PERMIT #	ADDRESS	STREET	CITY	FINAL
2020	16	5913	BLODGETT	DG	12/4/2020
2019	100	5614	KATRINE	DG	12/11/2020
2019	170	4734	STONEWALL	DG	12/17/2020

Progress Report

To: Amy Underwood, General ManagerFrom: Reese Berry, Laboratory SupervisorDate: January 14, 2021Re: December 2020 Laboratory Report

We had 1 excess rain event in December. We had no permit excursions in December.

Biosolids:

We are currently collecting all data from the previous year, so we can complete the Biosolids Annual Report due in February 2021. All sampling requirements and data for the calendar year 2020 were acceptable and well within the applicable USEPA 503 requirements.

Pretreatment Activities:

Training:

Reese is participating in USEPA Pretreatment training via a webinar on January 6th-7th and again on January 11th-12th. This training involves a general overview of pretreatment programs and how to incorporate the pretreatment program on a daily, weekly, and monthly basis. We hope there are more dates available for Malwina and Stephanie to participate in similar training.

Dental Amalgam Rule:

We received 1 completed form from the Dental Amalgam mailings in December. I was on vacation over the holidays and am currently following up on those not returned. I've started visiting locations in person again, since there are so few left to complete.

Industrial Waste Survey:

Initial mailings for this required survey of users was sent out during November. We've received about 50% of the initial mailings to the industrial customers. I'm not surprised at this, since some locations have Covid19 work restrictions in place and the holiday season seems to delay things in general. I'll follow-up with outstanding mailings during January.

Personnel:

We will be fully staffed the first 3 weeks of the year in January due to biosolids testing (salmonella), which is labor intensive. We will transition back to 1 lab tech at work and 1 lab tech on standby after the completion of the salmonella testing.

To: Amy Underwood, General Manager From: Alex Bielawa, Staff Engineer Re: Engineering Report for the Month December, 2020 Date: January 15, 2021

I. Planning Projects & Studies

A. Flow Monitoring

Flow meters for Cycle E have been installed.

B. Composting Pilot

Heap 4 was constructed on January 8th.

II. Design Projects

A. Centex Lift Station Replacement

Baxter & Woodman is currently designing the Lift Station. The project is tentatively scheduled to go out for bid in April 2021.

III. Construction Projects

A. Stanley Avenue Sanitary Sewer Rehabilitation

Insituform Technologies USA, LLC. submitted Final Pay Request No. 2 this month.

Current Payment Due	\$15,316.94
Less Previous Payments	\$101,852.46
Final Contract Value	\$117,169.40
Original Contract Value	\$102,812.00

B. CHP No.1 Replacement

Baxter & Woodman - Boller Construction Company, LLC submitted Pay Request No.5 this month.

Current Payment Due	\$133,255.98
Less Previous Payments	\$763,842.21
Total Earned Less Retainage	\$820,713.97
Retainage	\$91,190.44
Total Completed to Date	\$911,904.41
Original Contract Value	\$1,082,575.00

Personnel from Nissen Energy have arrived in the United States and are currently quarantining. Substantial completion is anticipated in early February.

C. Sherman Street Sanitary Sewer Replacement

Austin Tyler Construction, Inc. did not submit a Pay Request this month.

Current Payment Due	\$0.00
Less Previous Payments	\$84,312.90
Total Earned Less Retainage	\$84,312.90
Retainage	\$9,368.10
Total Completed to Date	\$93,681.00
Original Contract Value	\$134,691.00

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: 12/22/2020

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) 459-1260 sfirsching@baxterwoodman.com	12/30/2019	None.	Assist District with analysis.	None	12/16/2020
Nutrient Study RAS Denit Job Number: [120501.33]	Derek Wold dwold@baxterwoodman.com	12/31/2020	No work during current period.	Evaluation of scenarios as requested by District.	Results after reinstating ATs 1-3.	12/17/2020
1K-028 Flow Basin Rehabilitation Construction Services Job Number: [150980.61]	Ray Koenig (708) 478-2090 rkoenig@baxterwoodman.com	4/1/2019	Final contract value agreed to District and Contractor. Final pay reqeuest processed.	As needed.		12/17/2020
Outfall Sewer Sag Repair Job Number: [180237.40]	Shane Firsching (815) 459-1260 sfirsching@baxterwoodman.com	12/31/2019	Revise project manual. Revise drawings.	Revise project manual. Revise drawings. Advertise project. Obtain refund for \$800 BNSF Permit Fee.	Provide review comments on revised Bid Documents.	12/16/2020
Centex Lift Station Design Job Number: [181059.40]	Shane Firsching (815) 459-1260 sfirsching@baxterwoodman.com	5/31/2021	Project initiation. Attended Kickoff Meeting. Scheduled survey. Requested geotech proposal for soil boring.	JULIE design stage locate. Prepare project manual. Perform survey. Perform geotechnical evaluation. Prepare base drawings.	None.	12/16/2020
WWTC WAS Thickener - Construction Services Job Number: [190153.60]	Ray Koenig (708) 478-2090 rkoenig@baxterwoodman.com	1/31/2020	Work completed to 100%, final pay request processed.	Owner awaiting final hard copies of O&M Manual, construction record drawings	none	12/17/2020

Project Title/Job	Project Manager	Completion Date	Tasks Completed This Period	Tasks Pending This Period	Items Waiting On Client	Status Date
Excess Flow Clarifier Bridge Control Panel Upgrades Job Number: [191490.50]	Jim Gramhofer (815) 459-1260 jgramhofer@goconcentric.com	5/31/2020	District installed control panels.	PLC programming. Installation.	None.	12/17/2020
2020 Miscellaneous Engineering Services Job Number: [200044.00]	Derek Wold dwold@baxterwoodman.com	12/31/2020	Code reviews and capacity analysis	Assistance as requested.	None	12/17/2020
CHP No. 1 Design Build Job Number: [200328.50]	Eider Alvarez-Puras (708) 478-2090 ealvarez- puras@baxterwoodman.com	3/9/2021	Completed miscellaneous roof work. Completed piping and plumbing. Completed construction inspections. Held December Progress Meeting.	Continue electrical connections. Install duct to offset existing room exhaust fan. Install piping insulation and NPW hydrant. Patch wall brick penetrations.	None	12/17/2020
Sludge Storage Building Job Number: [200381.40]	Chuck Brunner (815) 459-1260 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.	12/16/2020
Stanley Avenue Sanitary Sewer Rehabilitation Job Number: [200410.40]	Ray Koenig (708) 478-2090 rkoenig@baxterwoodman.com	12/31/2020	Process pay request # 1.	Review videos, independent material testing on liner and contract closeout		12/17/2020
Sherman Street Sanitary Sewer Replacement Job Number: [200411.40]	Ray Koenig (708) 478-2090 rkoenig@baxterwoodman.com	12/31/2020	General contract administration and assistance.	General contract administration, contract closeout.	None.	12/17/2020



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



ategory	Inspections Scheduled	Inspections Completed	Application Received	Agreements Signed	Cleanout Installed	Service Rehab Done	Totals	Total as Percentage
1A	Y	Y	Ν	Y	Y	N/A	19	8%
1B	Y	Y	Ν	Ν	Ν	N/A	1	0%
2A	Y	Y	Y	Y	Y	Ν	81	36%
2B	Y	Y	Y	Y	Y	Ν	17	7%
2D	Y	Y	Y	Ν	Ν	Ν	3	1%
3A	Y	Y	Y	Y	Ν	Ν	4	2%
4	Y	Y	Ν	Ν	Ν	Ν	38	17%
4A	Ν	Ν	Ν	Ν	N/A	Ν	4	2%
5	Y	Ν	Ν	Ν	Ν	Ν	0	0%
5A	Y	Y	Ν	Ν	Ν	Ν	12	5%
5AX	Y	Y	Ν	Ν	Ν	Ν	0	0%
5B	Y	Ν	Ν	Ν	Ν	Ν	12	5%
5BX	Y	Ν	Ν	Ν	Ν	Ν	1	0%
0	Ν	Ν	Ν	Ν	Ν	Ν	30	13%
X	-	-	-	-	-	-	5	2%
5X	-	-	-	-	-	-	1	0%
1A	ategory Descript - PVC service w - All PVC no Cle	ith cleanout(may r	need to be sealed	d at the main)			228	100% 11% C

STATUS OF 1K-028 INSPECTIONS AND AGREEMENT ACQUISITIONS

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

2015 Basin I&I Ranking = 1 2016 Basin I&I Ranking = 27 2018 Basin I&I Ranking = 6 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: 12/31/2020

DATE	:: 12/31/2020						PREVIOUS MONTH				
CASH	BALANCES				-	TOTAL BALANCE	PREVIOUS MONTH	<u> </u>			
	UNT NAME	ACCOUNT NUMBER	R	BALANCE PER BANK STATEMENT		PER BANK STATEMENTS	MONTHLY EARNINGS CREDIT	EARNINGS CREDIT PERCENTAGE			
FLEX PAYF PETT	URSEMENT IBLE BENEFITS	XXXXXXXXXX1116 XXXXXXXXXX1111 XXXXXXXXXX		\$832,733.55 253,926.03 7,710.66 204,346.79 3,700.00 4,536.54							
ΤΟΤΑΙ	- CASH AT BANK			\$1,306,953.57		\$1,549,523.60	\$192.56	0.0124%			
	STMENTS	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
						()	10110 (02)				
CD	CIT BANK	14 MOS	1/9/2021	\$245,000.00	1.700%	\$245,000.00					\$4,859.17
CD	EVERGREEN BANK GROUP	12 MOS	2/13/2021	\$250,000.00	1.990%	\$250,000.00	\$407 740 4F		* 05 000 7 0	#7 040 00	\$4,975.00
CD	FIRST MIDWEST BANK	13 MOS	3/15/2021	\$250,000.00	1.490%	\$100,000.00	\$107,719.45		\$35,260.73	\$7,019.82	\$4,035.42
CD	TRISTATE CAPITAL	12 MOS	4/9/2021	\$249,990.00	1.100%	¢400.000.00	\$249,990.00				\$2,749.89
CD CD	ROYAL SAVINGS BANK BMO HARRIS BANK	13 MOS 12 MOS	7/2/2021 12/17/2021	\$250,000.00 \$250,000.00	0.850% 0.300%	\$100,000.00	\$150,000.00				\$2,302.08 \$750.00
CD	BINO HARRIS BANK	12 103	12/17/2021	\$250,000.00	0.300%	\$250,000.00					\$750.00
TOTAL	CDs			\$1,494,990.00	1.316%	\$945,000.00	\$507,709.45	\$0.00	\$35,260.73	\$7,019.82	\$19,671.56
TYPE	FINANCIAL INSTITUTION	TERM	LAST ACTION DATE	AMOUNT*	CURRENT RATE OF RETURN						ESTIMATED ANNUAL RETURN
ММ	AXOS BANK	ONGOING	10/30/2020	\$249,006.40	0.500%	\$249,006.40					\$1,245.03
MM	BANKFINANCIAL	ONGOING	3/13/2013	\$15,553.00	0.150%	\$15,553.00					\$23.33
MM	CIT BANK	ONGOING	11/9/2016	\$5,000.00	0.050%	\$5,000.00					\$2.50
MM	LIMESTONE BANK	ONGOING	9/9/2013	\$1,078.08	0.100%	\$1,078.08					\$1.08
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	\$249,008.86	0.600%	\$249,008.86					\$1,494.05
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			\$1,024,964.83	0.489%	\$1,019,810.74	\$5,154.09	\$0.00	\$0.00	\$0.00	\$5,016.03
ILLINC	DIS FUNDS - MONEY MARKET			\$2,805,496.01	0.093%	\$1,386,049.07	\$607,387.35	\$812,059.59	\$0.00	\$0.00	\$2,609.11
ΤΟΤΑΙ	- ALL INVESTMENTS			\$5,325,450.84	0.513%	\$3,350,859.81	\$1,120,250.89	\$812,059.59	\$35,260.73	\$7,019.82	\$27,296.70

TOTAL CASH AND INVESTMENTS \$6,632,404.41

*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

Providing a Better Environment for South Central DuPage County

Memo

To: Board of Trustees From: Amy R. Underwood, General Manager Date: January 15, 2021 Subject: Treasurer's Report for December 2020

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

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

Year-to-date	Income	Expense
General Fund	\$ 6,734,288.77 (page 1)	\$ 6,684,169.04 (page 6)
Improvement Fund	\$ 90,057.19 (page 7)	\$ 46,595.52 (page 7)
Construction Fund	\$ 193,392.02 (page 8)	\$ 14,403.64 (page 9)
Public Benefit Fund	\$ 353.48 (page 10)	\$ 0.00 (page 10)
TOTAL	\$ 7,018,091.46	\$ 6,745,168.20

C: BOLI, WCC, MGP

General Manager Amy R. Underwood

Legal Counsel Michael G. Philipp _____

Fund number & Description	Ending							
	Fund Balance							
Fund 01 : GENERAL FUND	\$4,288,027.80							
Fund 02 : IMPROVEMENT FUND	\$1,182,657.67							
Fund 03 : CONSTRUCTION FUND	\$1,211,898.14							
Fund 05 : PUBLIC BENEFIT FUND	\$37,678.46							
Recap Totals	\$6,720,262.07							

COST	ACTUAL CURRENT	BUDGET CURRENT	ACTUAL	BUDGET	ACTUAL- BUDGET	VAR	TOTAL
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	00	BUDGET
DEPT 05 REVENUES							
3000 PROPERTY TAXES	7,395.91-	0	1 251 260 12	1 254 500	3,131.88	2	1 254 500
	-		1,251,368.12-				1,254,500-
3001 USER RECEIPTS 3002 SURCHARGES	316,151.54-25,481.86-		2,235,687.02- 213,205.86-		110,990.98		3,451,000-
3002 SURCHARGES 3004 PLAN REVIEW FEES	25,481.88-	31,250- 0	213,205.88-	250,000-	36,794.14 1,270.05	14.7- 84.7-	375,000- 2,000-
		0		1,500-			
3005 CONSTRUCTION INSPECTION FEES 3006 PERMIT INSPECTION FEES	.00 223.00-		.00	360- 14,664-	360.00	100.0- 26.1-	500-
	1,378.94-	,	10,834.00- 16,655.87-		3,830.00 8,680.13		22,000- 38,000-
3007 INTEREST ON INVESTMENTS				25,336-		34.3-	
3013 SAMPLING AND MONITORING	7,680.14- 3,031.23-		69,205.53-	48,332-	20,873.53-	43.2	72,500-
3014 REPLACEMENT TAXES			48,517.19-	46,200-	2,317.19-	5.0	75,000-
3015 MISCELLANEOUS INCOME	.00	833-	21,199.01-	6,664-	14,535.01-	218.1	10,000-
3021 TELEVISION INSPECTION	.00	0	.00	150-	150.00	100.0-	150-
3023 PROPERTY LEASE PAYMENTS	2,901.80-		23,099.30-	23,232-	132.70	.6-	34,850-
3024 MONTHLY SERVICE FEES	375,945.79-		2,751,298.52-		31,569.52-		4,120,800-
3027 GREASE WASTE	11,286.50-		92,988.40-	133,336-	40,347.60	30.3-	200,000-
3040 RENEWABLE ENERGY CREDITS	.00	0	.00	1,500-	1,500.00	100.0-	3,000-
DEPT 05 TOTALS	751,476.71-	678,047-	6,734,288.77-	6,872,181-	137,892.23	2.0- 9	9,659,300-
FUND REVENUE TOTAL			6,734,288.77-		137,892.23		======= 9,659,300-
DEPT 11 0 & M EXPENSES - ADMINISTRATION						======	
SECT A SALARIES AND WAGES	0.0	0	12 500 00	12 500	0.0	0	10 000
A001 TRUSTEES	.00		13,500.00	13,500	.00	.0	18,000
A002 BOLI	.00	0	.00	675	675.00-	100.0-	900
A003 GENERAL MANAGEMENT	19,796.14	19,536	162,996.41	166,666	3,669.59-	2.2-	244,200
A004 FINANCIAL RECORDS	14,865.15	15,552	137,966.05	132,678	5,288.05	4.0	194,400
A005 ADMINISTRATIVE RECORDS	1,806.49	2,024	17,705.37	17,267	438.37	2.5	25,300
A006 ENGINEERING	845.12	988	2,178.84	8,429	6,250.16-	74.2-	12,350
A007 CODE ENFORCEMENT	27,024.55	29,792	262,162.06	266,163	4,000.94-	1.5-	372,400
A008 SAFETY ACTIVITIES	1,919.34	1,780	19,029.86	15,186	3,843.86	25.3	22,250
A030 BUILDING AND GROUNDS	.00	120	872.32	1,024	151.68-	14.8-	1,500
A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE	350.00	0	3,050.00	0	3,050.00	.0	0
SECT A TOTALS	66,606.79	69,792	619,460.91	621,588	2,127.09-	.3-	891,300
SECT B OPERATIONS AND MAINTENANCE							
B100 ELECTRICITY	284.06	300	2,773.08	3,000	226.92-	7.6-	4,000
B101 NATURAL GAS	74.52	300	380.48	1,750	1,369.52-		
B102 WATER, GARBAGE AND OTHER UTILITIES	.00	0	705.20	820	114.80-	14.0-	
B110 BANK CHARGES	1,668.88	1,500	13,608.62	12,000	1,608.62	13.4	18,000
B112 COMMUNICATION	1,153.43	1,608	14,653.27	12,864	1,789.27	13.9	19,300
	1,100,10	1,000	1,000.27	12,001	1,000.27		10,000

10,372.49

114.44

1,109.00

1,111.23

6,000

1,667

3,000

625

230.99 3,500 15,989.79 28,000 12,010.21-

1,568.93

3,314.69

18,567.40

48,306.40 69,000 20,693.60-

5,000

26,000

13,336

3,431.07-

7,432.60-

10,021.31-

42.9- 42,000

30.0- 93,000

68.6-

75.1-

28.6-

7,500

20,000

34,000

B113 EMERGENCY/SAFETY EQUIPMENT

B115 EQUIPMENT/EQUIPMENT REPAIR

B117 EMPLOYEE/DUTY COSTS

B118 BUILDING AND GROUNDS

B116 SUPPLIES

	ACTUAL	BUDGET			ACTUAL-		
COST	CURRENT	CURRENT	ACTUAL	BUDGET	BUDGET	VAR	TOTAL
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	8	BUDGET
B119 POSTAGE	50.00	792	2,263.81	6,336	4,072.19-	64.3-	9,500
B120 PRINTING/PHOTOGRAPHY	.00	300	6,273.45	10,800	4,526.55-	41.9-	12,000
B121 USER BILLING MATERIALS	8,761.46	6,333	45,278.71	50,664	5,385.29-	10.6-	76,000
B124 CONTRACT SERVICES	1,766.50	8,500	34,232.50	68,000	33,767.50-	49.7-	102,000
B137 MEMBERSHIPS/SUBSCRIPTIONS	.00	0	6,842.00	9,320	2,478.00-	26.6-	11,100
SECT B TOTALS	26,697.00	34,425	214,758.33	316,890	102,131.67-	32.2-	452,600
SECT C VEHICLES							
C222 GAS/FUEL	15.90	225	216.64	1,200	983.36-	82.0-	2,000
C225 OPERATION/REPAIR	.00	0	370.02	1,950	1,579.98-	81.0-	2,600
SECT C TOTALS	15.90	225	586.66	3,150	2,563.34-	81.4-	4,600
DEPT 11 TOTALS	93,319.69	104,442	834,805.90	941,628	106,822.10-		L,348,500
DEPT 12 O & M EXPENSES - WWTC							
SECT A SALARIES AND WAGES							
	2 2 2 7 7 6 6	2 0 2 0	22 621 66	24 011	0 700 66	25 0	26 500
A006 ENGINEERING	3,327.66	2,920	33,631.66	24,911	8,720.66	35.0 7.5-	36,500
A009 OPERATIONS MANAGEMENT A010 MAINTENANCE - BUDGET	8,233.92	8,328	65,748.72	71,048	5,299.28-		104,100
A010 MAINTENANCE - BODGE1 A011 MAINTENANCE - WWTC	.00 29,762.71	42,404 0	.00 229,434.08	361,759 0	656.05	.2	530,050 0
A011 MAINTENANCE - WWIC A012 MAINTENANCE - VEHICLES	.00	0	1,134.77	0	.00	.0	0
A012 MAINTENANCE - VEHICLES A013 MAINTENANCE - ENERGY RECOVERY	649.06	0	5,108.55	0	.00	.0	0
A013 MAINTENANCE - ENERGI RECOVERI A014 MAINTENANCE - ELECTRICAL	14,456.48	0	126,737.65	0		.0	0
A014 MAINIENANCE - ELECTRICAL A020 WWTC - BUDGET	.00	46,112	.00	0 393,393	.00 31,590.50	.0 8.0	576,400
A021 WWIC - OPERATIONS	30,610.42	40,112	264,410.72	0	.00	.0	370,400 0
A022 WWIC - SLUDGE HANDLING	13,908.07	0	154,953.44	0	.00	.0	0
A023 WWTC - ENERGY RECOVERY	451.04	0	5,619.34	0	.00	.0	0
A030 BUILDING AND GROUNDS	6,739.06	10,988	70,981.91	93,741	22,759.09-	24.3-	137,350
A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE	37.50	10,988	162.50	93,741 0	162.50	.0	137,330
AUSU WORK FROM HOME REIMBURSEMENT ALLOWANCE		-		0	===================		-
SECT A TOTALS	108,175.92	110,752	957,923.34	944,852	13,071.34		L,384,400
SECT B OPERATIONS AND MAINTENANCE							
B100 ELECTRICITY	8,819.11	8,000	84,545.25	75,000	9,545.25	12.7	109,000
B101 NATURAL GAS	484.43	1,300	2,043.91	4,700	2,656.09-	56.5-	10,000
B102 WATER, GARBAGE AND OTHER UTILITIES	378.33	1,300	17,422.97	24,300	6,877.03-	28.3-	36,000
B103 ODOR CONTROL	.00	200	1,217.00	3,100	1,883.00-	60.7-	4,000
B104 FUEL - GENERATORS	.00	0	273.12	10,500	10,226.88-	97.4-	14,000
B112 COMMUNICATION	1,059.32	1,667	11,729.61	13,336	1,606.39-	12.1-	20,000
B113 EMERGENCY/SAFETY EQUIPMENT	751.34	792	8,970.38	6,336	2,634.38	41.6	9,500
B116 SUPPLIES	1,156.87	2,692	15,201.49	21,536	6,334.51-	29.4-	32,300
B117 EMPLOYEE/DUTY COSTS	2,715.60	2,100	8,135.74	18,300	10,164.26-	55.5-	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	80,432	27,186.17-	33.8-	120,650

PAGE 3

COST	ACTUAL CURRENT	BUDGET CURRENT	ACTUAL	BUDGET	ACTUAL- BUDGET	VAR	TOTAL
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	8 8	BUDGET
B401 CHEMICALS - DISINFECTION	.00	0	31,578.36	0	.00	.0	0
B402 CHEMICALS - SLUDGE DEWATERING	3,213.81	0	21,667.47	0	.00	.0	0
B501 EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS	.00	2,050	119,125.58	178,400	59,274.42-	33.2-	216,126
B502 EQPT/EQPT REPAIR - DISINFECTION	479.74	1,293	12,645.57	18,344	5,698.43-	31.1-	23,511
B503 EQPT/EQPT REPAIR - EXCESS FLOW	2,496.94	707	42,982.26	20,656	22,326.26	108.1	23,487
B504 EQPT/EQPT REPAIR - GRIT REMOVAL	1,078.15	884	2,145.33	15,322	13,176.67-	86.0-	38,859
B505 EQPT/EQPT REPAIR - INFLUENT PUMPING	.00	3,094	766.15	30,752	29,985.85-	97.5-	43,132
B506 EQPT/EQPT REPAIR - PRIMARY TREATMENT	82.89	2,210	6,934.97	35,930	28,995.03-	80.7-	51,020
B507 EQPT/EQPT REPAIR - SECONDARY TREATMENT	503.10	3,315	93,547.56	115,520	21,972.44-	19.0-	141,276
B508 EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	3,716.91	0	406,616.43	500,000	93,383.57-	18.7-	504,244
B509 EQPT/EQPT REPAIR - SLUDGE DEWATERING	.00	101,369	19,719.14	281,651	261,931.86-	93.0-	687,168
B510 EQPT/EQPT REPAIR - SLUDGE DIGESTION	459.76	3,625	36,311.48	55,500	19,188.52-	34.6-	99,997
B511 EQPT/EQPT REPAIR - TERTIARY TREATMENT	703.95	1,326	703.95	18,108	17,404.05-	96.1-	28,414
B512 EQPT/EQPT REPAIR - WWTC GENERAL	2,559.57	1,043	19,164.32	25,222	6,057.68-	24.0-	35,010
B513 EQPT/EQPT REPAIR - WWTC UTILITIES	124,055.03	170,400	736,389.81	669,050	67,339.81	10.1	795,606
B801 BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOS	.00	292	.00	2,336	2,336.00-	100.0-	3,500
B802 BLDG AND GROUNDS - DISINFECTION	.00	100	15,668.52	29,350	13,681.48-	46.6-	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	97.68	88	97.68	704	606.32-	86.1-	1,061
B805 BLDG AND GROUNDS - INFLUENT PUMPING	.00	664	1,292.00	5,312	4,020.00-	75.7-	7,963
B806 BLDG AND GROUNDS - PRIMARY TREATMENT	.00	442	.00	3,536	3,536.00-	100.0-	5,305
B807 BLDG AND GROUNDS - SECONDARY TREATMENT	.00	88	.00	704	704.00-	100.0-	1,061
B809 BLDG AND GROUNDS - SLUDGE DEWATERING	.00	715	14.71	12,720	12,705.29-	99.9-	15,561
B810 BLDG AND GROUNDS - SLUDGE DIGESTION	.00	310	1,254.67	22,480	21,225.33-	94.4-	23,713
B811 BLDG AND GROUNDS - TERTIARY TREATMENT	9,023.00	567	9,567.35	4,536	5,031.35	110.9	6,805
B812 BLDG AND GROUNDS - WWTC GENERAL	8,069.66	22,470	127,464.61	189,150	61,685.39-	32.6-	202,019
B813 BLDG AND GROUNDS - WWTC UTILITIES	206.19	133	206.19	1,064	857.81- ==========	80.6-	1,591
SECT B TOTALS	172,111.38	345,290	2,205,828.71	2,840,247	634,418.29-	22.3- 3	3,714,050
- SECT C VEHICLES							
C222 GAS/FUEL	1,502.50	2,417	8,003.75	19,336	11,332.25-	58.6-	29,000
C225 OPERATION/REPAIR	7.50	667	1,342.74	5,336	3,993.26-	74.8-	8,000
C226 VEHICLE PURCHASES	.00	0	.00	10,000	10,000.00-	100.0-	10,000
SECT C TOTALS =	1,510.00	3,084	9,346.49		25,325.51- =======		
= DEPT 12 TOTALS					646,672.46-		
= DEPT 13 O & M EXPENSES - LABORATORY							
SECT A SALARIES AND WAGES							
A009 OPERATIONS MANAGEMENT			54,187.18		1,948.82-		
A040 LABORATORY - BUDGET	.00	13,356					
A041 LAB - WWTC	13,742.87		101,507.85	0	.00	.0	0
A042 LAB - PRETREATMENT	1,598.35	0		0	.00	.0	0
A043 LAB - SURCHARGE PROGRAM	.00	0	34.38	0	.00	.0	0
A047 LAB - MICRO	.00	0	857.71	0	.00	.0	0
A048 LAB - ENERGY RECOVERY	270.98	0	2,269.24	0	.00	.0	0

TREASURER'S REPORT

DATE 01/07/21 MONTH ENDED 12/31/20 PAGE 4

COST NUMBER DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
SECT A TOTALS	19,369.99	19,936	165,263.29	170,079	4,815.71-	2.8-	249,200
SECT B OPERATIONS AND MAINTENANCE							
B114 CHEMICALS	102.00	1,483	6,937.84	11,868	4,930.16-	41.5-	17,800
B115 EQUIPMENT/EQUIPMENT REPAIR	1,187.64	1,333	3,629.65	10,664	7,034.35-	66.0-	16,000
B116 SUPPLIES	292.57	1,758	9,681.34	14,064	4,382.66-	31.2-	21,100
B117 EMPLOYEE/DUTY COSTS	486.08	467	1,616.12	3,736	2,119.88-	56.7-	5,600
B122 MONITORING EQUIPMENT	.00	0	42.95	6,750	6,707.05-	99.4-	9,000
B123 OUTSIDE LAB SERVICES	2,433.78	1,642	16,162.73	13,136	3,026.73	23.0	19,700
SECT B TOTALS	4,502.07	6,683	38,070.63	60,218	22,147.37-	36.8-	89,200
SECT C VEHICLES							
C222 GAS/FUEL	29.25	46	186.01	368	181.99-	49.5-	550
C225 OPERATION/REPAIR	144.39	50	164.84	150	14.84	9.9	200
SECT C TOTALS	173.64	96	350.85	518	167.15-	32.3-	750
					 27,130.23-		
					=================		
SECT A SALARIES AND WAGES A006 ENGINEERING	52.82	1,228	4,969.06	10,476	5,506.94-	52.6-	15,350
A050 SEWER MAINTENANCE - BUDGET	.00	16,280	.00	138,889	24,264.99	17.5	203,500
A051 SEWER MAINTENANCE	15,768.84	0	153,637.58	0	.00	.0	0
A054 SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	1,141.43	0	9,516.41	0	.00	.0	0
A060 INSPECTION - BUDGET	.00	19,568	.00	166,940	52,511.65-	31.5-	244,600
A061 INSPECTION - NEW CONSTRUCTION	.00	0	1,096.72	0	.00	.0	0
A062 INSPECTION - CONSTRUCTION OF DGSD PROJECTS	2,932.47	0	28,459.51	0	.00	.0	0
A063 INSPECTION - PERMIT INSPECTIONS	378.72	0	7,361.37	0	.00	.0	0
A064 INSPECTION - MISCELLANEOUS	4,970.67	0	17,722.75	0	.00	.0	0
A065 INSPECTION - CONSTR BY VILLAGES, UTILITIES	3,157.40	0	42,424.64 17,363.36	0	.00	.0	0
A066 INSPECTION - CODE ENFORCEMENT A070 SEWER INVESTIGATIONS - BUDGET	3,031.17	0 820		0 6,996	.00 6,519.33-	.0 93.2-	0 10,250
A070 SEWER INVESTIGATIONS - BODGET	51.21	820 0	.00 476.67	0,990	.00	.0	10,250
A092 SEMENTINUESTIGATIONS A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE	50.00	0	650.00	0	650.00	.0	0
SECT A TOTALS	31,534.73	37,896	283,678.07	323,301	39,622.93-	12.3-	473,700
SECT B OPERATIONS AND MAINTENANCE							
B112 COMMUNICATION	739.28	958	4,220.86	7,664	3,443.14-	44.9-	11,500
B113 EMERGENCY/SAFETY EQUIPMENT	150.00	363	2,618.25	2,904	285.75-	9.8-	4,350
B115 EQUIPMENT/EQUIPMENT REPAIR	3,160.94	4,954	14,808.89	39,632	24,823.11-	62.6-	59,450
B116 SUPPLIES	1,277.21	333	3,421.48	2,664	757.48	28.4	4,000
B117 EMPLOYEE/DUTY COSTS	1,410.26	1,125	4,958.91	9,000	4,041.09-	44.9-	13,500
B124 CONTRACT SERVICES	80,807.50	8,750	80,807.50	70,000	10,807.50	15.4	105,000
B127 JULIE SYSTEM	.00	1,396	8,370.70	11,168	2,797.30-	25.1-	16,750

COST	ACTUAL CURRENT	BUDGET CURRENT	ACTUAL	BUDGET	ACTUAL- BUDGET	VAR	TOTAL
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	8	BUDGET
B128 OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM	176.00 E 3,020.00	4,250 1,000	18,683.00 3,020.00	29,000 8,000	10,317.00- 4,980.00-	35.6- 62.3-	43,000
B129 REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAG B900 SEWER SYSTEM REPAIRS - BUDGET	.00	160,000	-,	8,000	4,980.00-		12,000 1,603,600
B900 SEWER SISTEM REPAIRS - BODGET B901 SEWER SYSTEM REPAIRS - I/I PROGRAM	1,167.75	100,000	282,580.95	1,190,000	.00	.0	1,003,000
B901 SEWER SISTEM REPAIRS - 171 PROGRAM B902 SEWER SYSTEM REPAIRS - REPLACEMENT	3,366.85	0	105,557.73	0	.00	.0	0
B902 SEWER SISTEM REPAIRS - REPLACEMENT B903 SEWER SYSTEM REPAIRS - REHABILITATION	758.75	0	106,687.47	0	.00	.0	0
B910 SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	49,066.61	0	415,203.40	0	.00	.0	0
B912 SEWER SYSTEM REPAIRS - BSSRAP - NONTARGET :	• • • • • • •	0	1,227.15	0	.00	.0	0
B913 SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/I		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	145,101.15		1,148,673.04		221,358.96-		
SECT C VEHICLES							
C222 GAS/FUEL	1,498.60	2,167	6,052.25	17,336	11,283.75-	65.1-	26,000
C225 OPERATION/REPAIR	223.96	558	3,501.99	4,464	962.01-	21.6-	6,700
C226 VEHICLE PURCHASES	26,613.00	0	50,201.00	44,500	5,701.00	12.8	44,500
SECT C TOTALS	28,335.56	2,725	59,755.24	66,300		9.9-	77,200
DEPT 14 TOTALS	204,971.44		1,492,106.35		267,526.65-		
DEPT 15 O & M EXPENSES - LIFT STATIONS SECT A SALARIES AND WAGES							
A006 ENGINEERING	.00	312	60.08	2,662	2,601.92-	97.7-	3,900
A009 OPERATIONS MANAGEMENT	.00	792	.00	6,757	6,757.00-	100.0-	9,900
A030 BUILDING AND GROUNDS	.00	736	258.35	6,279	6,020.65-	95.9-	9,200
A080 LIFT STATION MAINTENANCE	428.76	6,192	9,919.30	52,826	42,906.70-	81.2-	77,400
SECT A TOTALS	428.76	8,032	10,237.73	68,524	58,286.27-	85.1-	100,400
SECT B OPERATIONS AND MAINTENANCE							
B100 ELECTRICITY	9,083.73	10,625	65,995.75	85,000	19,004.25-	22.4-	127,500
B104 FUEL - GENERATORS	.00	0	831.43	3,375	2,543.57-	75.4-	4,500
B112 COMMUNICATION	367.24	500	2,901.53	4,000	1,098.47-	27.5-	6,000
B113 EMERGENCY/SAFETY EQUIPMENT	59.00	0	59.00	1,000	941.00-	94.1-	1,000
B116 SUPPLIES	.00	0	122.01	300	177.99-	59.3-	400
B520 EQPT/EQPT REPAIR - BUTTERFIELD	.00	100	451.47	1,875	1,423.53-	75.9-	2,294
B521 EQPT/EQPT REPAIR - CENTEX	.00	330	103.16	3,715	3,611.84-	97.2-	5,033
B522 EQPT/EQPT REPAIR - COLLEGE	.00	927	4,021.26	8,991	4,969.74-	55.3-	12,697
B523 EQPT/EQPT REPAIR - EARLSTON	.00	100	602.51	1,775	1,172.49-	66.1-	2,183
B524 EQPT/EQPT REPAIR - HOBSON	777.96	0	12,828.41	19,947	7,118.59-	35.7-	19,947
B525 EQPT/EQPT REPAIR - LIBERTY PARK	.00	120	1,453.16	3,270	1,816.84-	55.6-	3,748
B526 EQPT/EQPT REPAIR - NORTHWEST	.00	425	103.16	5,000	4,896.84-	97.9-	6,674
B527 EQPT/EQPT REPAIR - VENARD	.00	120	2,053.44	4,920	2,866.56-	58.3-	5,404
B528 EQPT/EQPT REPAIR - WROBLE	.00	110	558.16	3,600	3,041.84-	84.5-	10,472
B529 EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	1,205.51	2,260	4,677.95	27,830	23,152.05-	83.2-	36,848
B820 BLDG AND GROUNDS - BUTTERFIELD	160.20	0	1,109.15	0	1,109.15	.0	0

ACTUAL BUDGET ACTUAL-COST CURRENT CURRENT ACTUAL BUDGET BUDGET VAR TOTAL NUMBER DESCRIPTION MONTH MONTH Y-T-D Y-T-D VARIANCE 8 BUDGET _____ B821 BLDG AND GROUNDS - CENTEX 126.20 0 1,125.15 0 1,125.15 .0 0 B823 BLDG AND GROUNDS - EARLSTON 126.20 0 1,099.15 .0 0 1,099.15 0 0 0 B824 BLDG AND GROUNDS - HOBSON 0 2,213.35 126.20 2,213.35 .0 126.20 0 0 B825 BLDG AND GROUNDS - LIBERTY PARK 1,139.15 1,139.15 .0 0 270.02 15,000 1,358.97 25,000 23,641.03- 94.6- 25,000 B826 BLDG AND GROUNDS - NORTHWEST 0 1,125.15 0 B827 BLDG AND GROUNDS - VENARD 0 .0 126.20 1,125.15 B828 BLDG AND GROUNDS - WROBLE 126.20 0 5,952.15 5,000 952.15 19.0 5,000 B829 BLDG AND GROUNDS - LIFT STATIONS GENERAL .00 .00 19,136 19,136,00- 100.0-27,700 2.142 SECT B TOTALS 12,680.86 32,759 111,884.62 223,734 111,849.38- 50.0- 302,400 _____ _____ DEPT 15 TOTALS 13,109.62 40,791 122,122.35 292,258 170,135.65- 58.2- 402,800 _____ DEPT 17 O & M EXPENSES - INSURANCE & EMPLOYEE BENEFITS INSURANCE AND EMPLOYEE BENEFITS SECT E 0 207,068.80 208,000 931.20-.5- 208,000 E452 LIABILITY/PROPERTY 59.99 42,833 44,513.27- 13.0-E455 EMPLOYEE GROUP HEALTH 38,675.95 298,150.73 342,664 514,000 26,235 199,689.36 218,705 8.7- 318,000 E460 IMRF 22,238,98 19.015.64-E461 SOCIAL SECURITY 16,810.84 18,653 153,442.24 159,801 6,358.76-4.0- 232,000 _____ SECT E TOTALS 87,721 858,351.13 929,170 70,818.87-77.785.76 7.6-1.272.000 _____ _____ DEPT 17 TOTALS 77,785.76 87,721 858,351.13 929,170 70,818.87- 7.6- 1,272,000 _____ DEPT 91 SA EXPENSE _____ DEPT 91 TOTALS .00 0 .00 0 .00 0 _____ FUND EXPENSE TOTAL 695,029.51 942,545 6,684,169.04 7,973,275 1,289,105.96- 16.2-10,931,950 _____ FUND 01 TOTALS 56,447,20- 264,498 50,119,73- 1,101,094 1,151,213,73- 104,6- 1,272,650 _____

DATE 01/07/21 MONTH ENDED 12/31/20 PAGE 7

FUND 02 IMPROVEMENT FUND	0 PA	GE /				
COST NUMBER DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET	
DEPT 05 REVENUES						
3007 INTEREST ON INVESTMENTS 3010 TRUNK SEWER SERVICE CHARGES	407.05-	1,408- 7,500-	5,313.93- 84,743.26-			
dept 05 totals	407.05-	8,908-	90,057.19-	71,264-	106,900-	
DEPT 30 CAPITAL EXP - ARRA - LOAN REPAYMENT						
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 STA						
dept 36 totals	.00	0	.00	0	0	
DEPT 47 CAPITAL EXP - CENTEX LIFT STATION U						
0502 DESIGN ENGINEERING/ARCHITECTURAL	.00	8,333	.00	16,666	50,000	
DEPT 47 TOTALS	.00	8,333	.00	16,666	50,000	
DEPT 74 CAPITAL EXP - SEWER - UNSEWERED ARE.						
0500 PROJECT BUDGET	.00	0	.00	7,500	7,500	
dept 74 totals	.00	0	.00	7,500	7,500	
FUND EXPENSE TOTAL	.00	8,333	46,595.52	70,766	150,700	
FUND 02 TOTALS	407.05-		43,461.67-	498-	43,800	

	TREASURER'S REPORT						
	01/07/21 MONTH ENDED 12/31/20) PA	GE 8				
FUND 03	CONSTRUCTION FUND	ACTUAL CURRENT	BUDGET CURRENT	ACTUAL	BUDGET	TOTAL	
NUMBER	DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	BUDGET	
DEPT 05	REVENUES						
3007 INTERE	ST ON INVESTMENTS	65.62-	1,371-	1,386.63-	10,968-	16,450-	
3009 SEWER	PERMIT FEES	.00	20,833-	192,005.39-	166,664-	250,000-	
DEPT 0	5 TOTALS	65.62-	22,204-	193,392.02-	177,632-	266,450-	
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500 PROJEC	T BIIDGET	.00	0	.00	14,450	28,900	
	T ON LOAN PRINCIPAL	.00	0	14,403.64	0	0	
	-						
DEPT 3	0 TOTALS	.00	0	14,403.64	14,450	28,900	
DEPT 31	CAPITAL EXP - WWTC - CHP BIOGAS						
DEPT 3	1 TOTALS	.00	0	.00	0	0	
DEPT 32	CAPITAL EXP - WWTC - SECOND TURBOBL	OWER					
DEPT 3	2 TOTALS	.00	0	.00	0	0	
2222232							
DEPT 33	CAPITAL EXP - WWTC - DIGESTER MIXIN	GAS PIPING					
DEPT 3	3 TOTALS	.00	0	.00	0	0	
DEPT 34	CAPITAL EXP - WWTC - GREASE WASTE D						
	-						
DEPT 3	4 TOTALS	.00	0	.00	0	0	
DEPT 35	CAPITAL EXP - WWTC - CHP BIOGAS PHA						
_							
DEPT 3	5 TOTALS	.00	0	.00	0	0	
DEPT 37	CAPITAL EXP - WWTC - GREASE RECEIVIN	NG STATN NO2					
DEPT 3	7 TOTALS	.00	0	.00	0	0	
DEPT 38	CAPITAL EXP - WWTC - PROPERTY ACQUI						
DEPT 3	8 TOTALS	.00	0	.00	0	0	
DEPT 39	CAPITAL EXP - WWTC - GRIT BLOWER REI						

TREASURER'S REPORT

DATE FUND 03	01/07/21 CONSTRUCTIO	TREASURER'S REPOR MONTH ENDED 12/31/ N FUND		PAGE	9				
NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDG CURR MONT	RENT	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET	
								===============	
DEPT	39 TOTALS		. (00	0	.00	0	0	
DEPT 40	CAPITAL EXP	- WWTC - LOAN REPAYMEN	T						
DEPT	40 TOTALS		.(00	0	.00	0	0	
FUND	EXPENSE TOTAL		.(======= DO 	0	14,403.64	14,450		
FUND	03 TOTALS		65.6	62- 2 =======	22,204- ========	178,988.38-			

TREASURER'S REPORT DATE 01/07/21 MONTH ENDED 12/31/20 FUND 05 PUBLIC BENEFIT FUND) P.	AGE 10				
COST NUMBER DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET	
DEPT 05 REVENUES						
3007 INTEREST ON INVESTMENTS	43.46	- 46-	353.48-	368-	550-	
= DEPT 05 TOTALS	43.46	- 46-	353.48-	======== 368-	550-	
= DEPT 59 CAPITAL EXP - SEWER - SEWER EXTENSIO	DNS					
- DEPT 59 TOTALS	. 00	0	.00	0	0	
- DEPT 65 CAPITAL EXP - SEWER - REIMB FOR ADDE						
DEPT 65 TOTALS	.00	-	.00	0 ==========	0	
FUND EXPENSE TOTAL	.00	0	.00	0	0	
FUND 05 TOTALS	43.46		353.48- 	368-	550-	

FUND 71 SEWER EXTENSIONS ESCROW						
COST NUMBER DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET	
dept 05 revenues						
3007 INTEREST ON INVESTMENTS	8.63-	- 0	70.19-	0	0	
DEPT 05 TOTALS	8.63-	- 0	70.19-	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	8.63-	- 0	70.19-		0	

 TREASURER'S REPORT

 DATE
 01/07/21

 MONTH ENDED
 12/31/20

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GENERAL MANAGER'S REPORT TO EMPLOYEES

WWTC Operations Data – November

The DMR for November indicates that the final effluent averaged 1.2 mg/L CBOD, 0.6 mg/L suspended solids and 0.25 mg/L ammonia nitrogen over a daily average flow of 8.85 MGD. There were no permit excursions in November.

<u>Financial Data – November</u>

In November, the District received \$675,134 in the General fund, including \$296,572 in user charges, \$38,656 in surcharges and \$303,351 in monthly fees. General fund expenses totaled \$1,295,364. The Improvement fund had revenues of \$6,985 and expenses of \$0. The Construction fund had revenues of \$23,390 and expenses of \$0.

<u>Sewer Permits – November</u>

There were 12 sewer permits issued in November – 6 single family, 1 repair and 5 disconnections.

Paid Leave Information

A memo indicating the holidays that will be observed by the District in 2021 and the vacation leave awarded to you is attached. Please note that the information on this memo is accurate as of December 12, 2020 for hourly employees and December 15, 2020 for supervisors and any personal or vacation leave taken after that date is not reflected in these totals. The new personal leave and vacation time for 2021 is not reflected on the current pay stub and will be shown on the next pay stub you receive.

Next Hourly Paycheck

Please note that the next hourly paycheck for period ending December 26 will be paid to employees on Friday, January 1, 2021 (New Year's Day). **That day is a Federal Reserve Bank holiday which means that funds from the District will likely not be available to employees until Monday, January 4, 2021.** Our JPMorgan Chase Bank representative has indicated that on Friday, January 1 your account may show your paycheck as "pending" but the funds will not be available at that time.

TopHealth

The January issue of TopHealth is enclosed.

Personnel

The District still has an open Sewer System Permit Technician position. We are currently in the process of interviewing candidates for the position and anticipate extending an offer soon.

COVID-19 Measures

Effective December 18, if you have been traveling to and returning from out-of-state, you will be asked to self-quarantine prior to returning to work. In addition, if you travel by air, you will also be asked to self-quarantine prior to returning to work.

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

This project will be rebid in the spring. Baxter & Woodman has submitted the revisions to the plans and specifications for District staff review.

2) WWTC WAS Mechanical Thickening

The WAS thickener has been placed into service. Staff is working with Concentric to ensure that SCADA data is being collected correctly into Hach WIMS.

3) Composting Pilot

The third composting heap should be done by the end of the year, and a fourth heap will be built in January.

4) Sherman Street Sanitary Sewer Replacement

The project is complete.

5) CHP #1 Replacement

Mechanical and electrical work is ongoing.

6) Centex Lift Station Replacement

District Staff had a kickoff meeting with Baxter & Woodman last week. Soil borings and survey work are in the process of being scheduled.

HAPPY HOLIDAYS TO YOU AND YOUR FAMILY!

GENERAL MANAGER'S REPORT TO EMPLOYEES

Personnel

The District still has an open Sewer System Permit Technician position. We are currently in the process of interviewing candidates for the position and anticipate extending an offer soon.

Employee W-2's

Your W-2 for 2020 is almost complete and will be provided to you in the next few weeks in a separate envelope.

COVID-19 Measures

Effective January 1, if you have been traveling to and returning from out-of-state, you will be asked to self-quarantine prior to returning to work. In addition, if you travel by air, you will also be asked to self-quarantine prior to returning to work.

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

This project will be rebid in the spring. Baxter & Woodman has submitted the revisions to the plans and specifications for District staff review.

2) Composting Pilot

The third composting heap is complete, and a fourth heap will be built in January.

3) CHP #1 Replacement

Mechanical and electrical work is ongoing. Start-up and commissioning are planned to start in mid-January.

4) Centex Lift Station Replacement

Soil borings and survey work are in the process of being scheduled.

HAPPY NEW YEAR TO YOU AND YOUR FAMILY!

GENERAL MANAGER'S REPORT TO EMPLOYEES

WWTC Operations Data – December

The DMR for December indicates that the final effluent averaged 1.42 mg/L CBOD, 0.90 mg/L suspended solids and 0.13 mg/L ammonia-nitrogen over a daily average flow of 9.99 MGD. There were no permit excursions in December.

Financial Data – December

In December, the District received \$751,477 in the General fund, including \$316,152 in user charges, \$25,482 in surcharges and \$375,946 in monthly fees. General fund expenses totaled \$695,030. The Improvement fund had revenues of \$407 and expenses of \$0. The Construction fund had revenues of \$66 and expenses of \$0.

<u>Sewer Permits – December</u>

There was 1 sewer permit issued in December – 1 single family.

Personnel

We have extended an offer for the Sewer System Permit Technician position to an applicant and the applicant accepted. We are currently in the process of having the applicant complete all of the necessary post-offer conditions associated with the offer and position. If successful with fulfilling all conditions, we anticipate the applicant would start sometime in mid to late February.

Employee W-2's

Your W-2 for 2020 is being distributed starting today through your supervisor and will continue into next week. It will be placed in a separate manila envelope with your name on it.

COVID-19 Measures

Effective January 15, if you have been traveling to and returning from out-of-state, you will be asked to self-quarantine prior to returning to work. In addition, if you travel by air, you will also be asked to self-quarantine prior to returning to work.

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

This project will be rebid in the spring. Baxter & Woodman has submitted the revisions to the plans and specifications for District staff review.

2) Composting Pilot

The fourth compost heap was built on January 8th. This is intended to be the final heap of the pilot. The District had originally planned to do only three heaps, but it was decided to extend the pilot into January and February to evaluate the system during cold weather conditions.

3) CHP #1 Replacement

Start-up and commissioning are planned to start on January 22nd.

4) Centex Lift Station Replacement

Survey work is complete. Soil borings are expected to be scheduled in the near future.