DOWNERS GROVE SANITARY DISTRICT GENERAL MANAGER'S REPORT February 7, 2020

February Board Meeting

Copies of the following items are enclosed for the February 11, 2020 meeting:

- 1) Proposed Agenda
- 2) Minutes of the January 21, 2020 regular meeting
- 3) Minutes of the January 21, 2020 executive session (confidential under separate cover)
- 4) Claim Ordinance 1886
- 5) Proposed FY 2020-21 Budget/Five Year Plan and Appropriation Ordinance
- 6) Memo regarding final disposition of executive session records
- 7) Resolution of Appreciation Nick Menninga
- 8) Special Assessment 58 Rebate
- 9) Memo regarding General Manager appointment and General Manager's compensation (confidential under separate cover)

BOLI Meeting

There is no BOLI meeting scheduled this month.

Operations Reports

Copies of the following are enclosed for January 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 Ted on Collection System Construction activities.
- 6) Progress Report from Reese on Laboratory activities.

Infiltration/Inflow Removal Work

Inspection efforts on private property under the I/I program with the intention of conducting I/I removal is ongoing in the 1-K-028 (Cass and Burlington, WT) area. A map showing progress for this area is included here, as well as a status summary sheet.

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

Financial

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

The Treasurer's Report for January 2020 covering the first nine months of FY 19-20 is included here, along with a summary cover memo.

Meetings

I attended the following meetings since the January 17, 2020 General Manager's report:

- January 23 attended DRSCW special team meeting in Naperville re: NPDES permit negotiations. Amy U. also attended.
- January 24 was guest speaker at MWRDGC monthly technical seminar series at their Stickney WRP, speaking about net zero energy at DGSD.
- January 28 attended DuPage County Board Meeting to give a presentation about Downers Grove Sanitary District. Wally attended and introduced Nick.
- January 30 attended Village of Downers Grove Administrators' lunch meeting. Amy U. also attended.
- February 4 held DRSCW Project Committee meeting at DGSD. Amy U. also attended.

Miscellaneous

Copies of the following items are enclosed:

- 1) General Manager's Reports to Employees dated January 17, 2020 and January 31, 2020.
- 2) January 28, 2020 cover letter to Amy Dragovich at IEPA transmitting the renewal application for the WWTC NPDES permit
- 3) 2019 Lift Station Annual Report
- 4) DRSCW Newsletter Winter 2020

NJM, ARU

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

DOWNERS GROVE SANITARY DISTRICT BOARD OF TRUSTEES MEETING FEBRUARY 11, 2020 – 7:00 PM

PROPOSED AGENDA

- I. APPROVAL OF MINUTES
 - A. REGULAR MEETING JANUARY 21, 2020
 - B. EXECUTIVE SESSION JANUARY 21, 2020
- II. APPROVAL OF CLAIM ORDINANCE NO. 1886
- III. PUBLIC COMMENT
- IV. OLD BUSINESS
- V. NEW BUSINESS
 - A. REVIEW OF FY 2020-21 BUDGET/FIVE YEAR PLAN AND APPROPRIATION ORDINANCE
 - B. REVIEW AND FINAL DISPOSITION OF EXECUTIVE SESSION RECORDS
 - C. RESOLUTION OF APPRECIATION NICK MENNINGA
 - D. SPECIAL ASSESSMENT 58 REBATE
- VI. EXECUTIVE SESSION PERSONNEL

MINUTES

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, January 21, 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, Trustee Amy E. Sejnost, and Trustee Paul W. Coultrap, General Manager Nicholas J. Menninga, Assistant General Manager Amy. R. Underwood, Administrative Supervisor W. Clay Campbell, Staff Engineer Alex M. Bielawa, Information Coordinator Alyssa J. Caballero and Attorney Michael G. Philipp. Also present were Frank Wurster from 5214 Victor St., Downers Grove and Kent Conness from 1846 Grant St., Downers Grove.

Minutes of Regular Meeting – December 17, 2019

A motion was made by Trustee Coultrap seconded by Trustee Sejnost approving the minutes of the regular meeting held on December 17, 2019 as presented and authorizing the President and Clerk to sign same. The motion carried.

Claim Ordinance No. 1885

A motion was made by Trustee Sejnost seconded by Trustee Coultrap adopting Claim Ordinance No. 1885 in the total amount of \$577,140.90 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:

Wastewater Treatment Center Operations Summary for 2019

General Manager Menninga presented the 2019 Wastewater Treatment Center Performance Report. He reviewed the report and responded to questions from the Board. The report includes information and comparisons to prior years on flows, available remaining capacity, treatment provided, NPDES permit compliance, sludge quantities produced, biosolids disposal, utilities consumption, digester gas, chemical usage and an overall summary.

Collection System Construction Summary for 2019

General Manager Menninga presented the 2019 Collection System Construction Summary Report. He reviewed the report and responded to questions from the Board. The report includes information regarding permits issued, annexations, Board of Local Improvements, Illinois EPA permits and public sewer main construction.

Collection System Operations Summary for 2019

General Manager Menninga presented the 2019 Collection System Performance Report as prepared by Sewer System Maintenance Supervisor Robert Swirsky. He reviewed the report and responded to questions from the Board. The report includes information regarding maintenance work progress, manhole overflows, sewer backups, public sewer blockages and building service blockages.

Collection System Work Plan for 2020

General Manager Menninga presented the Collection System Work Plan for 2020 as prepared by Sewer System Maintenance Supervisor Robert Swirsky. The report includes information on proposed work on the collection system during 2020 including cleaning and televising sewers, flow metering, the Private Property Infiltration and Inflow Removal Program and the Building Sanitary Service Repair Assistance Program and manhole inspections.

FOG Acceptance and CHP Operation Economics

General Manager Menninga presented a memo reviewing the fats, oils and grease (FOG) acceptance and Combined Heat and Power (CHP) operation economics at the wastewater treatment center. Recommendations are expected to be reflected in the budget for FY 2020-21.

Other New Business

Trustee Sejnost congratulated Safety Coordinator Jessie Gwozdz for becoming the Chair of the Safety Committee. She commented on the repairs to the hypochlorite and bisulfite storage tanks noted in Maintenance Supervisor Barta's monthly report, the Sewer Permit Technician job posting and the new first-aid kits distributed to all the District vehicles. Lastly, Trustee Sejnost commented on her recent first-hand experience with the District's BSSRAP Program and commended staff for their professionalism and hard work on the repair at her home.

Trustee Coultrap inquired about the status the Puffer, Belmont, and Grant and Lee special assessments.

Trustee Van Buren commented on the repairs to the hypochlorite and bisulfite storage tanks noted in Maintenance Supervisor Barta's monthly report. He also inquired about the progress of the reconstruction of the Westmont alley sewer to correct sags in the line.

Executive Session – Employee Compensation

A motion was made by Trustee Sejnost seconded by Trustee Coultrap to recess the regular meeting and convene an executive session at 7:45 p.m. under exception 2(c)1 of the Open Meetings Act to discuss the compensation and performance of specific employees of the District. The motion carried. (Votes recorded: Ayes-Van Buren, Sejnost and Coultrap.)

A motion was made by Trustee Sejnost seconded by Trustee Coultrap to reconvene the regular meeting at 8:05 p.m. The motion carried. (Votes recorded: Ayes- Van Buren, Sejnost and Coultrap.)

A motion was made by Trustee Sejnost seconded by Trustee Coultrap to adjourn the regular meeting at 8:09 p.m. The motion carried.

Approved: February 11, 2020		
	President	
Attest:	_	

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

Downers Grove, Illinois

Date: February 11, 2020

Claim Ordinance No. 1886

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 **\$644,496.09** being in words and figures as follows:

GENERAL LEDGER RECAP

DATE 01/16/20 PERIOD END 01/11/20 PAGE 5

G/L NUMBER COST DESCRIPTION DEBIT CREDIT ______ 01-00.1001 CASH - PAYROLL ACCOUNT 01-00.2000 FEDERAL TAX WITHHELD 8670.47-STATE TAX WITHHELD 01-00.2001 3691.34-01-00.2002 SOCIAL SECURITY WITHHELD 6112.02-01-00.2003 IMRF WITHHELD 3558.05-01-00.2013 CREDIT UNION WITHHELD 2114.31-01-00.2014 VOLUNTARY ADDITIONAL PENSION CONTRIBUTION 2957.11-01-00.2017 VOLUNTARY GROUP LIFE 224.00-01-00.2021 FLEXIBLE ACCOUNT WITHHELD - MEDICAL 396.23-01-00.2022 FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE 192.31-01-00.2024 FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION 919.90-01-00.2025 EMPLOYEE INS PREM CONTRIBUTION - POST TAX 337.80-01-00.2027 DEFERRED COMPENSATION WITHHELD - IPPFA ROTH 40.00-01-00.2028 DC PLAN LOAN REPAYMENT WITHHELD 162.27-01-11.A003 GENERAL MANAGEMENT 880.18 01-11.A004 FINANCIAL RECORDS 6630.12 ADMINISTRATIVE RECORDS 01-11.A005 504.77 01-11.A006 ENGINEERING 647.75 01-11.A007 CODE ENFORCEMENT 7107.34 01-11.A008 SAFETY ACTIVITIES 568.00 01-12.A006 ENGINEERING 1425.05 01-12.A011 MAINTENANCE - WWTC 11864.52 01-12.A013 MAINTENANCE - ENERGY RECOVERY 387.03 01-12.A014 MAINTENANCE - ELECTRICAL 5858.42 01-12.A021 WWTC - OPERATIONS 15816.62 01-12.A022 WWTC - SLUDGE HANDLING 4865.26 01-12.A023 WWTC - ENERGY RECOVERY 268.69 01-12.A030 1676.44 BUILDING AND GROUNDS 01-13.A041 LAB - WWTC 5351.56 01-13.A048 LAB - ENERGY RECOVERY 167.37 01-14.A051 SEWER MAINTENANCE 6451.75 01-14.A054 SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS 292.67 01-14.A062 INSPECTION - CONSTRUCTION OF DGSD PROJECTS 1284.44 01-14.A063 INSPECTION - PERMIT INSPECTIONS 560.00 01-14.A064 INSPECTION - MISCELLANEOUS 2657.95 01-14.A065 INSPECTION - CONSTR BY VILLAGES, UTILITIES 1710.75 01-14.A066 INSPECTION - CODE ENFORCEMENT 1260.23 01-14.A072 SEWER INVESTIGATIONS 214.70 01-15.A080 LIFT STATION MAINTENANCE 2952.45

81404.06

81404.06-

Payroll Ending Date: 01/11/20 Payroll Paid Date: 01/17/20 GL Date: 02/29/20 GENERAL LEDGER RECAP

DATE 01/16/20 PERIOD END 01/15/20 PAGE 4

Payroll Ending Date: 01/15/20
Payroll Paid Date: 01/17/20
GL Date: 02/29/20

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		26329.54-
01-00.2000	FEDERAL TAX WITHHELD		4717.64-
01-00.2001	STATE TAX WITHHELD		1886.22-
01-00.2002	SOCIAL SECURITY WITHHELD		3230.39-
01-00.2003	IMRF WITHHELD		1900.24-
01-00.2013	CREDIT UNION WITHHELD		800.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1506.74-
01-00.2020	DEFERRED COMPENSATION WITHHELD - ICMARC		300.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		62.83-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		378.95-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		285.62-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		1050.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	17007.34	
01-11.A004	FINANCIAL RECORDS	241.49	
01-11.A007	CODE ENFORCEMENT	11218.56	
01-11.A008	SAFETY ACTIVITIES	104.48	
01-12.A006	ENGINEERING	70.20	
01-12.A009	OPERATIONS MANAGEMENT	4573.27	
01-12.A011	MAINTENANCE - WWTC	4178.75	
01-12.A014	MAINTENANCE - ELECTRICAL	384.17	
01-12.A021	WWTC - OPERATIONS	387.06	
01-12.A023	WWTC - ENERGY RECOVERY	115.94	
01-13.A009	OPERATIONS MANAGEMENT	3608.44	
01-13.A042	LAB - PRETREATMENT	176.04	
01-13.A044	LAB - BOD	88.02	
01-15.A009	OPERATIONS MANAGEMENT	120.51	
01-15.A030	BUILDING AND GROUNDS	35.10	
01-15.A080	LIFT STATION MAINTENANCE	215.86	

42525.23 42525.23-

GENERAL LEDGER RECAP

COST DESCRIPTION

G/L NUMBER

DATE 01/29/20 PERIOD END 01/25/20 PAGE 6

DEBIT

CREDIT

80920.39 80920.39-

G/L NUMBER	COSI DESCRIPTION	DEBII	CREDII
	CASH - PAYROLL ACCOUNT		51645.21-
01-00.2000	FEDERAL TAX WITHHELD		8441.97-
01-00.2001	STATE TAX WITHHELD SOCIAL SECURITY WITHHELD		3667.65-
			6075.01-
	IMRF WITHHELD		3552.95-
01-00.2012	WAGE DEDUCTION ORDER		509.32-
01-00.2013	WAGE DEDUCTION ORDER CREDIT UNION WITHHELD VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		2114.31-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		2865.46-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		396.23-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		192.31-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		919.90-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		337.80-
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	1051.58	
01-11.A004	FINANCIAL RECORDS	6681.43	
01-11.A005	ADMINISTRATIVE RECORDS	353.50	
01-11.A006	ENGINEERING	226.71	
01-11.A007	CODE ENFORCEMENT	7481.07	
01-11.A008	SAFETY ACTIVITIES	782.00	
01-12.A006	ENGINEERING	1123.85	
01-12.A011	MAINTENANCE - WWTC	14422.40	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	356.94	
01-12.A014	MAINTENANCE - ELECTRICAL	5906.58	
01-12.A021	WWTC - OPERATIONS	12872.15	
01-12.A022	WWTC - SLUDGE HANDLING	1621.38	
01-12.A023	WWTC - ENERGY RECOVERY	307.38	
01-12.A030	BUILDING AND GROUNDS	4657.69	
01-13.A041	LAB - WWTC	5168.66	
01-13.A048	LAB - ENERGY RECOVERY	100.68	
01-14.A006	ENGINEERING	829.13	
01-14.A051	SEWER MAINTENANCE	6481.89	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	356.71	
01-14.A061	INSPECTION - NEW CONSTRUCTION	105.94	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1998.35	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	711.35	
	INSPECTION - MISCELLANEOUS	1678.16	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	2861.30	
01-14.A066	INSPECTION - CODE ENFORCEMENT	561.51	
01-14 2072	SEWER INVESTIGATIONS	165.15	
01-15.A080	LIFT STATION MAINTENANCE	2056.90	

Payroll Ending Date: 01/25/20 Payroll Paid Date: 01/31/20 GL Date: 02/29/20 GENERAL LEDGER RECAP

DATE 02/04/20 PERIOD END 01/31/20 PAGE 4

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		29616.18-
01-00.2000	FEDERAL TAX WITHHELD		4960.69-
01-00.2001	STATE TAX WITHHELD		2073.66-
01-00.2002	SOCIAL SECURITY WITHHELD		3576.52-
01-00.2003	IMRF WITHHELD		1901.34-
01-00.2013	CREDIT UNION WITHHELD		800.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1707.26-
01-00.2017	VOLUNTARY GROUP LIFE		80.00-
01-00.2020	DEFERRED COMPENSATION WITHHELD - ICMARC		300.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		62.83-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		378.95-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		285.62-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		1205.10-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A001	TRUSTEES	4500.00	
01-11.A003	GENERAL MANAGEMENT	17626.19	
01-11.A004	FINANCIAL RECORDS	343.15	
01-11.A005	ADMINISTRATIVE RECORDS	40.64	
01-11.A007	CODE ENFORCEMENT	11048.45	
01-11.A008	SAFETY ACTIVITIES	141.46	
01-12.A006	ENGINEERING	129.65	
01-12.A009	OPERATIONS MANAGEMENT	3801.62	
01-12.A011	MAINTENANCE - WWTC	3823.13	
01-12.A014	MAINTENANCE - ELECTRICAL	96.18	
01-12.A021	WWTC - OPERATIONS	1330.10	
01-13.A009	OPERATIONS MANAGEMENT	3713.44	
01-13.A042	LAB - PRETREATMENT	159.06	
01-14.A072	SEWER INVESTIGATIONS	32.23	
01-15.A030	BUILDING AND GROUNDS	48.09	
01-15.A080	LIFT STATION MAINTENANCE	191.82	

47025.21 47025.21-

Payroll Ending Date: 01/31/20 Payroll Paid Date: 02/04/20 GL Date: 02/29/20

====== VENDOR ======	======	===== IN	NOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK N
A-FORMULA MECHANICAL CORP	A000065	01/31/20	41721	01-12.B810	Boiler Exhaust Repair	1582.20	1582.20	062177
A-FORMULA MECHANICAL CORP	A000065	02/04/20	41732	01-12.B812	Geothermal Bldg Repair	715.00	715.00	062216
ADVANCED DISPOSAL	A000153	01/31/20	T80002357736	01-12.B102	Garbage & Recyle PU	305.75	305.75	062178
ALEXANDER CHEMICAL CORPORATION	A000200	01/10/20	20218	01-12.B401	Hypochlorite Solution	3298.50	3298.50	10199
ALLIED WASTE SERVICE	A000255	01/15/20	551014722556	01-12.B102	Grit Scrn Dump PU & Rentl	1007.53	1007.53	062179
ALTORFER INDUSTRIES, INC.	A000292	01/09/20	PM600286548	01-15.B529	Portable Gen 200 PM	807.00		
		01/09/20	PM600286549	01-15.B529	Portable Gen 200 PM	479.20		
		01/14/20	PM600286664	01-15.B529	Portable Gen 350 PM	1284.00		
		01/20/20	PM600286721	01-15.B529	Portable Gen 150 PM	419.94		
		01/21/20	PM600286814	01-12.B513	Emergency Gen #2 PM	1758.00		
		01/21/20	PM600286815	01-12.B513	Emergency Gen #3 PM	1758.00		
		01/21/20	PM600286819	01-15.B529	Portable Gen 150 PM	1492.25	7998.39	101998
ALTORFER INDUSTRIES, INC.	A000292	01/21/20	PM600286816	01-12.B513	Emergency Gen 1 PM	1758.00		
		01/27/20	PM600286924	01-15.B523	Earlson LS Generator PM	717.00		
		01/27/20	PM600286925	01-15.B525	Liberty Park LS Gen PM	1536.00		
			PM600286926		Earlston Generator PM	158.00		
		01/27/20	PM600286927	01-15.B522	College LS Generator PM	1993.00		
		01/29/20			Liberty Park LS Gen PM	160.00		
		01/30/20			Northwest LS Generator PM	2673.00		
		01/30/20	PM600287088	01-15.B520	Butterfield LS Gen PM	895.00		
		01/30/20			Centex LS Generator PM	717.00		
		01/31/20	PM600287111		College LS Generator PM	158.00	10765.00	10203
SYNCHB/AMAZON	A000295	01/13/20	455896453965	01-14.B117		141.72	20703.00	10203
, 110112, 11111201	11000233	01/16/20	457533878956	01-12.B506	ODS Pump Control Part	201.52		
		01/16/20		01-12.B116	Cell Phone Cases Ops	75.20		
		01/10/20	469678855744		Returned Item	148.00-		
		01/22/20	599985479854	01-12.B116	Cell Phone Cases Ops	22.14		
			7734745484		AH Outerwear	134.97		
		01/17/20	838677887488		AL Outerwear	79.99		
		01/30/20	878848653955		Wireless Chargers	39.98		
		01/31/20			AT 8 & 9 Part	99.00		
		01/08/20	948686883744			25.96		
					Admin Supplies			
			948686883744		Oil Mats WWTC	70.40 9.99		
			948686883744		SS Safety Supplies		702.06	060100
AMI AG MOYOMA MAMBERTAT HANDI TNO	* *000525		987984845354		Admin Supplies	29.99	782.86	062180
ATLAS TOYOTA MATERIAL HANDLING		01/09/20			Forklift Cage Parts	103.94	103.94	101999
AUTOZONE - AZ COMMERCIAL	A000600		2576501284		Auto Parts	32.98	41 06	0.601.03
	-000100		2576509178		Auto Parts	8.28	41.26	062183
BAXTER & WOODMAN, INC.	B000120	01/24/20			Flow Monitoring	2121.80		
		01/24/20			Outfall Sewer Sag Repair	4434.00		
		01/24/20			Misc Engineer Services	741.50		
		01/24/20			WAS Thickener	3593.75		
		01/24/20			Grant & Lee SA Eval	340.00		
		01/24/20			Misc Engineer Services	702.50	11933.55	102000
BRUCKER COMPANY	в000400	01/20/20			WWTC HVAC Filters	261.75	261.75	062182
CHICAGO METROPOLITAN FIRE	C000240	01/18/20	IN00324821	01-12.B113	Radio Use/Maint	60.00	60.00	062183

====== VENDOR =====		===== INVOICE ======						
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
CINTAS #344	C000300	01/31/20	4041534712	01-12.B117	WWTC Uniform Rental	57.72		
		01/31/20	4041534712	01-14.B117	SS Uniform Rental	13.83		
		02/07/20	4042158389	01-12.B117	WWTC Uniform Rental	109.56		
		02/07/20	4042158389	01-14.B117	SS Uniform Rental	14.33	195.44	062184
CINTAS FIRST AID & SAFETY	C000320	01/21/20	5015865924	01-11.B116	Admin First Aid Supplies	10.12		
		01/21/20	5015865924	01-12.B113	WWTC First Aid Supplies	162.20		
		01/24/20	9076617906	01-11.B117	Admin Haz Com Training	168.76		
		01/24/20	9076617906	01-13.B117	Lab Haz Com Training	126.57		
		01/24/20	9076617906	01-14.B117	SS Haz Com Training	379.67		
		01/28/20	9076906704	01-12.B117	WWTC Haz Com Training	675.00	1522.32	062185
COMCAST	C000373	02/03/20	201200550568	01-11.B112	Internet Service	148.35	148.35	062186
COMED	C000380	01/15/20	0055025057	01-15.B100	College LS Elec	331.67		
		01/15/20	0068029014	01-15.B100	Centex LS Elec	83.76		
		01/15/20	0120089072	01-15.B100	Wroble LS Elec	433.07		
		01/15/20	0458029046	01-15.B100	Liberty Park LS Elec	268.95		
		01/23/20	0562080004	01-15.B100	Venard LS Elec	372.15		
		01/15/20	1095091170	01-15.B100	Northwest LS Elec	744.51		
		01/15/20	1810068039	01-15.B100	Earlston LS Elec	201.69		
		01/15/20	3240038012	01-15.B100	Butterfield LS Elec	123.99		
		01/15/20	4657083017	01-15.B100	Hobson LS Elec	1228.78		
		01/27/20	6770572011	01-00.2005	BSSRAP Contractor Yrd Elc	520.55		
		01/27/20	6770572011	01-12.B100		70.94		
		01/27/20		01-12.B100	Big Top Elec	76.72	4456.78	062187
CONCENTRIC INTEGRATION, LLC	C000410	01/24/20			Admin Services	1564.20		
		01/24/20		01-12.B513		1414.32		
		01/24/20			LS Scada Services	3918.41	6896.93	102001
DAHM ENTERPRISES, INC	D000028	01/31/20			Sludge Removal	41310.50	41310.50	102002
DAHME MECHANICAL INDUSTRIES	D000030		20200035		Piping Replacement	11575.00	11575.00	102003
DELTA INDUSTRIES, INC.	D000210	01/23/20			Hobson LS Compress Maint	765.94	765.94	102038
DELTA SONIC	D000210		10012752		Admin Vehicle Washes	15.00	703.54	102030
DELIA SONIC	D000220		10012752		WWTC Vehicle Washes	15.00		
					SS Vehicle Washes		92 50	062188
DIDECT EMEDOV DICINECO	D000227	01/03/20	10012752		College LS Elec	52.50 382.84	82.50	002100
DIRECT ENERGY BUSINESS	D000227	01/22/20			Centex LS Elec	75.93		
		01/21/20			Wroble LS Elec	674.01		
		01/22/20			Liberty Park LS Elec	278.66		
		01/28/20			Venard LS Elec	445.93		
		01/21/20			NW LS Elec	1186.34		
		01/22/20			Earlstong LS Elec	248.91		
		01/22/20			Butterfield LS Elec	143.95		
	- 4	01/21/20			Hobson LS Elec	1733.39	5169.96	062189
VILLAGE OF DOWNERS GROVE	D000480	01/15/20			Meter Readings	419.36	419.36	062190
DRIVESHAFT UNLIMITED, INC.	D000525	02/03/20			Raw Sewage Pump 5 Part	436.00	436.00	062191
EJ EQUIPMENT, INC.	E000030	01/22/20	W02471	01-14.B115	Vac-Con Repair Hydraulics	1312.52		
		01/22/20	W02471	01-14.C225	Vac-Con Repair	1312.53		
		01/28/20	W02490	01-14.B115	SS Equip Repair	1263.16	3888.21	062192

====== VENDOR =====	=======	===== IN	NOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
EXODUS TECHNOLOGY SERVICE	E000480	02/01/20	20-110	01-11.B115	Windows 10 Upgrades	1556.25	1556.25	062193
EYE MED VISION CARE	E000600	02/01/20	164198737	01-17.E455	Vision Insurance	444.29	444.29	062194
FASTENAL COMPANY	F000060	01/15/20	ILWES74174	01-12.B505	Bar Screen Parts	10.50		
		01/16/20	ILWES74207	01-12.B507	RAS Pump 5 Parts	56.66		
		01/17/20	ILWES74245	01-12.B116	MSB Supplies	22.46		
		01/24/20	ILWES74456	01-12.B507	AT 8&9 Gate Parts	143.47		
		01/28/20	ILWES74573	01-12.B103	Biofilter Parts	136.55	369.64	102004
FEDEX KINKO'S	F000075	01/28/20	361300021426	01-13.B116	Lab Supplies	11.42	11.42	062195
FEECE OIL CO.	F000085	01/24/20	3678609	01-15.B104	LS Generator Fuel Refill	2789.43	2789.43	062196
FIRST ENVIRONMENTAL LAB	F000140	01/23/20	152651	01-13.B123	Biosolids Testing	229.20	229.20	102005
THE FLOLO CORPORATION	F000180	02/07/20	443521	01-12.B117	NW Seminar	150.00	150.00	062197
FOX VALLEY FIRE & SAFETY CO.	F000280	01/21/20	IN00329554	01-12.B113	Fire Sprinkler Service	245.65	245.65	102006
GSM FILTRATION, INC	G000080	01/28/20	3716	01-12.B509	Belts for Belt Press	2040.15	2040.15	102007
REVERE ELECTRIC	G000410	01/14/20	S4038975.001	01-12.B507	AT 8&9 Gates	637.61		
		01/13/20	S4051264.001	01-12.B507	AT 8&9 Parts	432.90		
		01/13/20	S4051264.002	01-12.B507	AT 8&9 Parts	41.50		
		01/15/20	S4051264.003	01-12.B507	Returned Parts	41.50-		
		01/16/20	S4051264.004	01-12.B507	AT 8&9 Parts	57.77		
		01/16/20	S4053281.001	01-12.B507	AT 8&9 Parts	80.58		
		01/21/20	S4058222.001	01-12.B513	AT 8&9 Parts	43.27	1252.13	062198
W. W. GRAINGER, INC.	G000520	01/14/20	9410948773	01-13.B117	See Sheet	171.12		
		01/15/20	9412397649	01-12.B507	See Sheet	33.02		
		01/16/20	9412727795	01-12.B116	See Sheet	35.85		
		01/16/20	9412805195	01-12.B507	See Sheet	692.30		
		01/16/20	9413762999	01-13.B117	See Sheet	74.12		
		01/17/20	9414116948	01-12.B512	See Sheet	43.15		
		01/17/20	9414216466	01-12.B507	See Sheet	33.02-		
		01/17/20	9414556739	01-12.B512	See Sheet	337.22		
		01/20/20	9416024926	01-12.B116	See Sheet	6.98		
		01/20/20	9416978006	01-13.B117	See Sheet	74.12-		
			9417336022	01-11.B118		272.95		
			9417707412	01-12.B512		60.78		
			9417762250	01-12.B812		12.00-		
			9418513652			11.33		
			9418767837			348.28		
			9419031225	01-13.B114		149.05		
			9419031225	01-13.B116		1006.83		
			9420656960	01-12.B513		12.32		
			9420996796	01-12.B513		53.25		
			9421353526	01-12.B513		169.93		
			9422074329			66.18		
			9422635129	01-12.B513		53.25		
			9423837013			33.80		
			9423837013			6.68		
			9427553533			175.08	4005 40	100000
		UZ/U4/20	9433160448	01-13.B114	see Sneet	311.16	4005.49	102008

====== VENDOR ======		===== IN	NOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
HACH COMPANY	Н000040	01/23/20	11805475	01-13.B122	Lab Supplies	1174.36		
		01/24/20	11807877	01-13.B114	Lab Chemicals	1154.29		
		01/27/20	11809908	01-13.B114	Lab Chemicals	183.27		
		01/31/20	11820490	01-13.B114	Lab Chemicals	191.73		
		02/04/20	11823242	01-13.B114	Lab Chemicals	1330.29		
		02/04/20	11823242	01-13.B116	Lab Supplies	264.00	4297.94	102009
ALAN HARTIGAN	н000144	01/05/20	Reimburse	01-14.B117	Outerwear Reimburse	47.80	47.80	102010
DOYLE J HEIMANN	Н000189	02/06/20	Reimburse	01-14.B901	I/I Reimbursement	1120.00	1120.00	062217
HOME DEPOT	н000400	01/15/20	3022182	01-12.B812	See Sheet	17.06		
		11/15/19	4011746	01-12.B116	See Sheet	61.09		
		02/03/20	4014968	01-12.B805	See Sheet	71.25		
		02/03/20	4043825	01-12.B805	See Sheet	22.71		
		12/09/19	40883	01-12.B116	See Sheet	4.56		
		01/23/20	5021010	01-12.B116	See Sheet	36.71		
		01/23/20	5611331	01-14.B116	See Sheet	9.27		
		01/22/20	6014547	01-12.B812	See Sheet	43.97		
		01/22/20	6624770	01-14.B116	See Sheet	48.32		
		01/31/20	7021820	01-14.B116	See Sheet	17.95		
		01/31/20	7021821	01-11.B116	See Sheet	9.97		
		01/30/20		01-14.B116	See Sheet	9.97		
		01/29/20		01-12.B116		50.91	403.74	062199
IMPACT NETWORKING INC.	I000400	01/17/20		01-11.B118		58.55	58.55	102011
ISTHA	1000470		G12700002854		Admin Vehicle Tolls	175.85		
101111	1000170		G12700002854		WWTC Vehicle Tolls	57.70		
			G12700002854		Lab Vehicle Tolls	33.85		
			G12700002854		SS Vehicle Tolls	21.30	288.70	062218
J&A SHEET METAL, INC	J000010	01/31/20			Primary Tank 5-6 Parts	1726.00	1726.00	062200
JS INSTRUMENTS & EQUIPMENT INC			4-101695		Belt Press Flow Meter	3133.10	3133.10	062201
JUST TIRES	J000300	02/03/20			Honda Civic Tire Repair	38.47	38.47	062202
					Life Insurance			
KANSAS CITY LIFE INSURANCE CO		02/01/20				402.50 350.00	402.50	102012
MBM SERVICES INC.	M000010	02/01/20			Cleaning Service		350.00	102013
MARC MAJEWSKI	M000110		Reimburse		Cell Phone Messaging Ops	326.17	326.17	102014
MCMASTER-CARR SUPPLY COMPANY	M000360		28821634		Sand For Floor Painting	57.46	57.46	102015
MENARDS - BOLINGBROOK	M000430	01/28/20			Plant Bio-Filter Parts	150.91	150.91	062203
BRIAN MENG	M000440		Reimburse		Safety Shoe Reimburse	122.55	122.55	102016
MICRO CENTER	M000550	01/17/20			Drives for Upgrading PC's	369.80	369.80	102017
MOTION INDUSTRIES, INC.	M000750		IL10-679271		Secondary Clarifier Part	18.23		
			IL10-679755		Primary 7 Cross Coll Part	18.36		
			IL10-679801		Secondary Clarifier Parts	134.81		
			IL10-679802		Secondary Clarifier Part	289.26		
			IL10-680077		Secondary Clarifier Part	140.96	601.62	102018
NCPERS GROUP LIFE INSURANCE	N000010	01/13/20	3266022020	01-00.2017	Dec & Feb Vol Life Ins	592.00	592.00	062204
NAPA AUTO PARTS	N000040	02/03/20	4343-647331	01-15.B529	Auto Parts	141.33		
		02/03/20	4343-647372	01-15.B529	Auto Parts	142.99		
		02/03/20	4343-647420	01-12.B512	Auto Parts	22.76	307.08	062205
NICOR GAS	N000330	01/15/20	3892638	01-11.B101	Admin Gas	162.34		

TAME			NUMBER	C/I MIMPE	EVDENCE DECORTORION	EVDENCE	GILEGE AME	GITEGY NO
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		01/15/20	4440979	01-12.B101	Plant Gas	294.56		
		01/15/20	4664113	01-12.B101	Chem Feed Gas	177.96	634.86	062206
IISSEN ENERGY INC	N000350	02/07/20	171	01-12.B513	CHP 2 Parts	1909.50		
		02/07/20	172	01-12.B513	CHP 2 Parts	627.36	2536.86	102019
ORTHERN TOOL & EQUIPMENT	N000560	01/22/20	44178681	01-12.B501	Fuel Hose/Reel For BioTrk	539.99	539.99	102020
CI PAYMENTS INC.	0000300	01/27/20	1000016841	01-11.B110	OLR Fees	35.30	35.30	102021
PACE ANALYTICAL	P000010	01/22/20	2040078635	01-13.B123	Januar NPDES Testing	100.00	100.00	102022
PETTY CASH	P000350	02/06/20	Cash Box	01-11.B117	Supervisor Lunch	76.33		
		02/06/20	Cash Box	01-11.B119	Postage Due	1.77	78.10	062207
PHENOVA	P000360	01/23/20	265920	01-13.B114	Lab Chemicals	853.76	853.76	102023
POLYDYNE INC.	P000395	01/21/20	1422775	01-12.B402	Belt Press Polymer	2142.54		
		01/30/20	1425897	01-12.B402	Belt Press Polymer	2142.54	4285.08	102024
PORTER PIPE AND SUPPLY CO.	P000420	01/22/20	12014677-00	01-12.B505	Raw Sewage Pump 1-5 Part	97.33	97.33	102025
RINCIPAL LIFE INSURANCE CO	P000650	01/18/20	1093099	01-17.E455	Dental Insurance	2507.61	2507.61	102026
. J. O'NEIL, INC.	R000008	02/07/20	1	01-12.B508	WAS Thickener Project	34868.70	34868.70	062219
AINBOW ELECTRIC CO.	R000070	01/30/20	MRINV2484	01-15.B524	Hobson Biofilter Motor	340.15		
		01/28/20	MRINV9612	01-12.B513	Effluent Pump 1 Motor	1637.09	1977.24	102027
EAWAY SUPPLY CO.	S000200	01/17/20	151974	01-12.B116	MSB Supplies	148.50		
		01/23/20	152157	01-12.B116	MSB Supplies	58.00		
		01/23/20	152158	01-13.B116	Lab Supplies	29.00		
		01/30/20	152416	01-12.B116	MSB Supplies	134.64	370.14	102028
ELECTIVE INSURANCE COMPANY	S000210	01/24/20	417-147-515	01-17.E452	Biosolids Truck Add On	192.00	192.00	062208
EYFARTH SHAW	S000280	01/16/20	3411984	01-11.B124	Legal Services	1483.75	1483.75	102029
HERWIN-WILLIAMS CO.	S000320	01/31/20	3683-6	01-12.B512	Paint Sprayer Purchase	916.09		
		01/31/20	3685-1	01-12.B810	Dig 4 & 5 Paint	83.48		
		02/03/20	3819-6	01-12.B805	Bar Scrn Bldg Pipe Paint	53.41	1052.98	102030
IGNS NOW	S000390	02/05/20	SN195-56786	01-12.B812	Net Zero Center Sign	1556.15	1556.15	062220
ITEONE LANDSCAPE SUPPLY	S000405	01/27/20	252.35	01-11.B118	Admin Rock Salt	126.18		
		01/27/20	252.35	01-12.B812	WWTC Rock Salt	126.17	252.35	062209
TAPLES INC.	S000640	01/24/20	8056656477	01-11.B118	Office Chair	207.57	207.57	102031
TENSTROM PETROLEUM	S000670	01/22/20	S149220	01-12.B513	Compliance Testing	565.00	565.00	062210
TEPHENS PLUMBING AND	S000680	01/14/20	217924	01-14.B910		343.25		
TELLESING TECHNETING TEND	500000	01/19/20			Shear Repair	431.15		
		01/13/20		01-14.B910	Shear Repair	377.75	1152.15	062211
ERRACE SUPPLY COMPANY	T000250		01008085		Cylinder Rentals	52.70	1132.13	002211
ERRACE SOFFEI COMPANI	1000230		70461892		AT 8&9 Gate Repair	25.27	77.97	102032
SABLUEBOOK	U000150	01/23/20			Lab Chemicals	319.02	77.57	102032
SABLUEBOOK	0000130	01/21/20			Lab Supplies	686.25		
		01/21/20			Lab Supplies	93.00		
		01/29/20			Skimmer Rake & Ext Pole	74.61	1216 00	062212
	*****	01/30/20			Skimmer Rake	143.94	1316.82	062212
NITED PARCEL SERVICE	U000300		3Y0091030		Overnight Sample Ship	21.10		
			3Y0091040		Shipping to Return Item	8.33	29.43	062213
NO CONSTRUCTION CO., INC.	U000450	02/04/20			Bio Filter Odor Cont Proj	4887.00		
		02/05/20			RAS Sys2 to Aer Tank 7	2086.00	6973.00	102033
JNO CONSTRUCTION CO., INC.	U000450	02/05/20	1091	01-12.B103	Bio Filter Excavation	3008.00		



===== VENDOR =====		===== IN	VOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		01/31/20	7	01-14.B910	BSSRAP Projects	55339.15	58347.15	102039
VWR INTERNATIONAL INC.	V000030	01/21/20	8088902626	01-13.B114	Lab Chemicals	384.69		
		01/22/20	8088919074	01-13.B114	Lab Chemicals	140.00		
		01/23/20	8088941513	01-13.B114	Lab Chemicals	246.12		
		01/21/20	808902625	01-13.B114	Lab Chemicals	286.49		
		01/21/20	808902625	01-13.B116	Lab Supplies	1011.15	2068.45	062214
VERIZON WIRELESS	V000135	01/28/20	785846626	01-11.B112	Admin Cell Service	264.56		
		01/28/20	785846626	01-12.B112	WWTC Cell Service	1094.77		
		01/28/20	785846626	01-14.B112	SS Cell Service	466.70		
		01/28/20	785846626	01-15.B112	LS Cell Service	270.09	2096.12	062215
WAGNER COMMUNICATIONS, INC	W000070	02/01/20	2002000072	01-11.B112	Answering Service	183.91	183.91	102034
WESCO DISTRIBUTION, INC.	W000250	01/16/20	439040	01-15.B523	Earlston MCC	15500.00	15500.00	102035
WESTFAX	W000350	01/31/20	1351778	01-11.B112	EFax Service	8.99	8.99	102036
						=======	=======	
					Total Payments:	285159.82	285159.82	
					ACH Payments Total:	205310.90	.00	
				Ch	neck Payments Total:	79848.92	285159.82	



====== VENDOR ======		===== IN	VOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
AT&T	A000075	02/03/20	0812676875	01-11.B112	DSL Internet Service	88.99	88.99	101979
BDP SERVICES LLC	В000020	01/30/20	REFUND	01-05.3001	Overpayments 3 accounts	1467.92	1467.92	062174
CHASE	В000050	01/21/20	PR 01/11/20	01-00.2000	Fed Tax	8670.47		
		01/21/20	PR 01/11/20	01-00.2002	Empl Soc Sec Tax	6112.02		
		01/21/20	PR 01/11/20	01-17.E461	Emplr Soc Sec Tax	6112.01	20894.50	101968
CHASE	В000050	01/21/20	SPR 01/15/20	01-00.2000	Fed Tax	4717.64		
		01/21/20	SPR 01/15/20	01-00.2002	Empl Soc Sec Tax	3230.39		
		01/21/20	SPR 01/15/20	01-17.E461	Emplr Soc Sec Tax	3230.42	11178.45	101972
CHASE	в000050	02/03/20	PR 01/25/20	01-00.2000	Fed Tax	8441.97		
		02/03/20	PR 01/25/20	01-00.2002	Empl Soc Sec Tax	6075.01		
		02/03/20	PR 01/25/20	01-17.E461	Emplr Soc Sec Tax	6075.02	20592.00	101980
CHASE	B000050	02/06/20	SPR 01/31/20	01-00.2000	Fed Tax	4960.69		
		02/06/20	SPR 01/31/20	01-00.2002	Empl Soc Sec Tax	3576.52		
		02/06/20	SPR 01/31/20	01-17.E461	Emplr Soc Sec Tax	3576.54	12113.75	101984
D.G. SANIT DIST #XXXXXXXXX111	7 D000400	02/12/20	Reimburse	01-00.1001	PR Acct Reimburse	159619.18	159619.18	101995
D.G. SANIT DIST #XXXXXXXXX111	4 D000420	02/04/20	Reimburse	01-05.3001	User Refund Acct Reimburs	4653.20	4653.20	101991
D.G. SANIT DIST #XXXXXXXXX111	2 D000440	02/12/20	Reimburse	01-12.B116	Plant Supplies	111.18		
		02/12/20	Reimburse	01-13.B117	Lab Empl Seminars	180.00		
		02/12/20	Reimburse	01-14.B910	BSSRAP Rodding Refund	371.32		
		02/12/20	Reimburse	01-17.E452	Notary Renewal AK	59.99	722.49	101996
DUPAGE CREDIT UNION	D000650	01/17/20	PR 01/11/20	01-00.2013	Empl Authorized W/Holding	2114.31	2114.31	101970
DUPAGE CREDIT UNION	D000650	01/17/20	SPR 01/15/20	01-00.2013	Empl Authorized W/Holding	800.00	800.00	101974
DUPAGE CREDIT UNION	D000650	01/31/20	PR 01/25/20	01-00.2013	Empl Authorized W/Holding	2114.31	2114.31	101982
DUPAGE CREDIT UNION	D000650	02/04/20	SPR 01/31/20	01-00.2013	Empl Authorized W/Holding	800.00	800.00	101986
GRAND DUKES RESTAURANT	G000528	02/04/20	Empl Lunch	01-11.B117	Admin Employees	256.13		
		02/04/20	Empl Lunch	01-12.B117	Plant Employees	358.58		
		02/04/20	Empl Lunch	01-13.B117	Lab Employees	76.84		
		02/04/20	Empl Lunch	01-14.B117	SS Employees	128.07	819.62	062176
3500 LACEY ROAD LLC	н000055	01/30/20	REFUND	01-05.3001	Overpayment 2 Accounts	4602.67	4602.67	062175
HEALTH CARE SERVICE CORP.	н000190	01/27/20	165585	01-17.E455	Health Insurance	39491.00	39491.00	101978
ILLINOIS DEPARTMENT OF REVENUE	E I000240	01/21/20	PR 01/11/20	01-00.2001	State Tax	3691.34	3691.34	101969
ILLINOIS DEPARTMENT OF REVENUE	E I000240	01/21/20	SPR 01/15/20	01-00.2001	State Tax	1886.22	1886.22	101973
ILLINOIS DEPARTMENT OF REVENUE	E I000240	02/03/20	PR 01/25/20	01-00.2001	State Tax	3667.65	3667.65	101981
ILLINOIS DEPARTMENT OF REVENUE	E I000240	02/06/20	SPR 01/31/20	01-00.2001	State Tax	2073.66	2073.66	101985
ILLINOIS MUNICIPAL	I000300	02/07/20	Pension	01-00.2003	Empl Pension Deposit	14331.98		
		02/07/20	Pension	01-00.2014	Empl Vol Pension Deposit	11559.60		
		02/07/20		01-17.E460	Emplr Pension Deposit	33664.15	59555.73	101992
INVOICE CLOUD	I000750	02/10/20	607-2020-1		Biller Portal Fees	344.40	344.40	101993
LINKEDIN	L000244	01/26/20	4361388006		Inspector Job Ad	362.37	362.37	101989
LINKEDIN	L000244	02/05/20	4385687766		Inspector Job Listing	84.09	84.09	101994
MIDAMERICA ADMIN HRA ACCOUNT	M000557	01/27/20			HRA Acct Funding	700.00	700.00	101977
NATIONAL PUBLIC EMPLOYER	N000337	01/27/20			WCC Membership	230.00	230.00	062172
TRANSAMERICA RETIREMENT	T000415	01/23/20			Def Comp IPPFA Roth	40.00	230.00	002112
TREMPARENTEA RELIGINERY	1000413	01/17/20			Def Comp Loan Repay IPPFA	162.27	202.27	101971
TRANSAMERICA RETIREMENT	T000415	01/17/20	SPR 01/15/20	01-00.2026	Def Comp IPPFA	1050.00	202.27	1017/1
INMOMPLEATER RETIREMENT	1000413				_		1127 06	101075
		01/1//20	SPR 01/15/20	01-00.2028	Def Comp Loan Repay IPPFA	77.06	1127.06	101975



===== VENDOR =====	=======	===== IN	NOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
TRANSPORT RETURNS	TO 0 0 41 F	01/21/00	DD 01/05/00	01 00 0007	D.S. G. D. H. TDDD	40.00		
TRANSAMERICA RETIREMENT	T000415		PR 01/25/20	01-00.2027	-	40.00		
			PR 01/25/20	01-00.2028			202.27	101983
TRANSAMERICA RETIREMENT	T000415	02/04/20	SPR 01/31/20	01-00.2026	Def Comp IPPFA	1205.10		
		02/04/20	SPR 01/31/20	01-00.2028	Def Comp Loan Repay IPPFA	77.06	1282.16	101987
US DEPARTMENT OF	U000050	01/30/20	PR 01/25/20	01-00.2012	Wage Deduction	254.66	254.66	062173
U.S. POSTAL SERVICE	U000130	01/25/20	Refill	01-11.B119	Postage Meter Refill	1000.00	1000.00	101990
VANTAGEPOINT TRANSFER AGENTS	V000120	01/17/20	SPR 01/15/20	01-00.2020	Def Comp ICMARC	300.00	300.00	101976
VANTAGEPOINT TRANSFER AGENTS	V000120	02/04/20	SPR 01/31/20	01-00.2020	Def Comp ICMARC	300.00	300.00	101988
						=======	=======	
					Total Payments:	359336.27	359336.27	
					ACH Payments Total:	351961.40	.00	
				Ch	eck Payments Total:	7374.87	359336.27	
DATE								
REVIEWED								
TRUSTEE APP	ROVAL							
				PRESIDENT				
				CLERK				



ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 02/11/20

01-00.1000 01-00.1001 01-00.2000	CASH		
			644496.09-
01-00.2000	CASH - PAYROLL ACCOUNT	159619.18	
	FEDERAL TAX WITHHELD	26790.77	
01-00.2001	STATE TAX WITHHELD	11318.87	
01-00.2002	SOCIAL SECURITY WITHHELD	18993.94	
01-00.2003	IMRF WITHHELD	14331.98	
01-00.2005	CLEARING	520.55	
01-00.2012	WAGE DEDUCTION ORDER	254.66	
01-00.2013	CREDIT UNION WITHHELD	5828.62	
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	11559.60	
01-00.2017	VOLUNTARY GROUP LIFE	592.00	
01-00.2020	DEFERRED COMPENSATION WITHHELD - ICMARC	600.00	
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	2255.10	
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	10723.79	
01-11.B101	NATURAL GAS	162.34	
01-11.B110	BANK CHARGES	35.30	
01-11.B112	COMMUNICATION	1114.16	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	3490.25	
01-11.B116	SUPPLIES	76.04	
01-11.B117	EMPLOYEE/DUTY COSTS	731.22	
01-11.B118	BUILDING AND GROUNDS	1015.25	
01-11.B119	POSTAGE	1010.10	
01-11.B121	USER BILLING MATERIALS	344.40	
01-11.B124	CONTRACT SERVICES	3267.75	
01-11.C225	OPERATION/REPAIR	190.85	
01-12.B100	ELECTRICITY	147.66	
01-12.B101	NATURAL GAS	472.52	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	1313.28	
01-12.B103	ODOR CONTROL	8182.46	
01-12.B112	COMMUNICATION	1420.94	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	642.93	
01-12.B116	SUPPLIES	1207.31	
01-12.B117	EMPLOYEE/DUTY COSTS	1473.41	
01-12.B131	SLUDGE HAULING/DISPOSAL SERVICES	41310.50	
01-12.B401	CHEMICALS - DISINFECTION	3298.50	
01-12.B402	CHEMICALS - SLUDGE DEWATERING	4285.08	
01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	539.99	
01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	12118.83	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	219.88	
01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	4795.82	
01-12.B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	38462.45	
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	5173.25	
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	1876.53	
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	11776.47	



ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 02/11/20

Date: 02/07/20 Time: 12:38pm

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.B805	BLDG AND GROUNDS - INFLUENT PUMPING	147.37	
01-12.B806	BLDG AND GROUNDS - PRIMARY TREATMENT	1726.00	
01-12.B810	BLDG AND GROUNDS - SLUDGE DIGESTION	1665.68	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	2714.78	
01-12.C225	OPERATION/REPAIR	72.70	
01-13.B114	CHEMICALS	5549.87	
01-13.B116	SUPPLIES	3101.65	
01-13.B117	EMPLOYEE/DUTY COSTS	554.53	
01-13.B122	MONITORING EQUIPMENT	1174.36	
01-13.B123	OUTSIDE LAB SERVICES	350.30	
01-13.C225	OPERATION/REPAIR	33.85	
01-14.B112	COMMUNICATION	466.70	
01-14.B113	EMERGENCY/SAFETY EQUIPMENT	9.99	
01-14.B115	EQUIPMENT/EQUIPMENT REPAIR	2575.68	
01-14.B116	SUPPLIES	85.51	
01-14.B117	EMPLOYEE/DUTY COSTS	1386.84	
01-14.B124	CONTRACT SERVICES	2121.80	
01-14.B901	SEWER SYSTEM REPAIRS - I/I PROGRAM	1120.00	
01-14.B902	SEWER SYSTEM REPAIRS - REPLACEMENT	4434.00	
01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	56862.62	
01-14.C225	OPERATION/REPAIR	1424.80	
01-15.B100	ELECTRICITY	8958.53	
01-15.B104	FUEL - GENERATORS	2789.43	
01-15.B112	COMMUNICATION	270.09	
01-15.B116	SUPPLIES	33.80	
01-15.B520	EQPT/EQPT REPAIR - BUTTERFIELD	895.00	
01-15.B521	EQPT/EQPT REPAIR - CENTEX	717.00	
01-15.B522	EQPT/EQPT REPAIR - COLLEGE	2151.00	
01-15.B523	EQPT/EQPT REPAIR - EARLSTON	16217.00	
01-15.B524	EQPT/EQPT REPAIR - HOBSON	1106.09	
01-15.B525	EQPT/EQPT REPAIR - LIBERTY PARK	1696.00	
01-15.B526	EQPT/EQPT REPAIR - NORTHWEST	2831.00	
01-15.B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	8693.40	
01-17.E452	LIABILITY/PROPERTY	251.99	
01-17.E455	EMPLOYEE GROUP HEALTH	43545.40	
01-17.E460	IMRF	33664.15	
01-17.E461	SOCIAL SECURITY	18993.99	
		==========	=======================================

644496.09 644496.09-

Vendor	Invoice Date	Amount	Coding	Coding Description	Purchase Location	Emp.	Procurement	Project Name (If applicable)	ltem Description
Grainger	01/14/20	\$171.12	01-13.B117	EMPLOYEE/DUTY COSTS	In-Store	MS		Safety	Safety Shoes
Grainger	01/15/20	\$33.02	01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	In-Store	NW		Aeration Tank 1-4 Restore Operation	Aeration Tank 3 Weir Installation
Grainger	01/16/20	\$35.85	01-12.B116	WWTC SUPPLIES	Delivered	RF		Supplies	Screw Driver and Bits
Grainger	01/16/20	\$692.30	01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	Delivered	RF		Aeration Tanks 8 & 9 Actuators	Data Cable (2 Wire) 1000Ft
Grainger	01/16/20	\$74.12	01-13.B117	EMPLOYEE/DUTY COSTS	In-Store	MS		Safety	Safety Shoes
Grainger	01/17/20	\$43.15	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	NW		Tool bag to lower items down into tanks etc.	Canvas Bucket Bag
Grainger	01/17/20	-\$33.02	01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	In-Store	NW		Aeration Tank 1-4 Restore Operation	Aeration Tank 3 Weir Installation
Grainger	01/16/20	\$337.22	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	01/20/20	\$6.98	01-12.B116	WWTC SUPPLIES	Delivered	AC		Supplies	Pen Light Replacement Lamps
Grainger	01/20/20	-\$74.12	01-13.B117	EMPLOYEE/DUTY COSTS	In-Store	MS		Safety	Safety Shoe Return
Grainger	01/20/20	\$272.95	01-11.B118	ADMIN BUILDING & GROUNDS	Delivered	CS		Administration	Table
Grainger	01/21/20	\$60.78	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	01/21/20	-\$12.00	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	CP		WWTC Lighting Upgrade	ComEd BILD Utility Credit
Grainger	01/21/20	\$11.33	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	MR		Tool Replacement (Worn out)	11-in-1 Screwdriver
Grainger	01/22/20	\$348.28	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	RF		Replacement Electrical Tool (Worn/broken)	200' Fiberglass Fish Tape
Grainger	01/21/20	\$149.05	01-13.B114	CHEMICALS	Delivered	DRB	circle k, shopped with vendors	lab chemical supplies	nitrate ISA and pH buffers
Grainger	01/21/20	\$1,006.83	01-13.B116	LAB SUPPLIES	Delivered	DRB	circle k, shopped with vendors	lab supplies	sampler pole, filter paper and ammonia electrode
Grainger	01/23/20	\$12.32	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	RF		PLC Upgrade Blower Bldg	DIN Mounting Track
Grainger	01/23/20	\$53.25	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	RF		Blower Building PLC Expansion/Upgrade	Lever Type Fuse Holders
Grainger	01/23/20	\$169.93	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	In-Store	RF		Blower Building PLC Expansion/Upgrade	DIN Rail & Terminal Strips
Grainger	01/24/20	\$66.18	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	RF		Blower Building PLC Expansion/Upgrade	Vinyl Wire Labels for Wire Printer
Grainger	01/24/20	\$53.25	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	In-Store	RF		Blower Building PLC Expansion/Upgrade	Lever Type Fuse Holders
Grainger	01/27/20	\$33.80	01-15.B116	LIFT STATION SUPPLIES	Delivered	NW		Stationary Generator Light Upgrade	L.E.D. Light Bulbs (Qty. 10)
Grainger	01/29/20	\$6.68	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	СР		MSB East Overhead Door Opener	V-Belt
Grainger	01/29/20	\$175.08	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	MM			Nitrile gloves and hearing protection
Grainger	02/04/20	\$311.16	01-13.B114	CHEMICALS	Delivered	DRB		lab chemical supplies	Orion Nitrate
Home Depot	01/15/20	\$17.06	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	CP		Net Zero Energy Public Education Center	Spray Paint & Electrical Supplies
Home Depot	11/15/19	\$61.09	01-12.B116	WWTC SUPPLIES	In-Store	СР		Painting Supplies	Mini Rollers, Regular Rollers, Brace, Mending Plate
Home Depot	02/03/20	\$71.25	01-12.B805	BLDG & GROUNDS - INFLUENT PUMPING	In-Store	СР		Pipe Painting in Bar Screen Building	Painting Supplies, Plastic Drop Cloths, Mixing Containers, Tape, Tarps, Lacquer Thinner etc.
Home Depot	02/03/20	\$22.71	01-12.B805	BLDG & GROUNDS - INFLUENT PUMPING	In-Store	BS		Pipe Painting in Bar Screen Building	Duct Tape for Pipe Painting
Home Depot	12/09/19	\$4.56	01-12.B116	WWTC SUPPLIES	In-Store	JM		Supplies	PVC Couplings & Fittings
Home Depot	01/23/20	\$36.71	01-12.B116	WWTC SUPPLIES	In-Store	CP		Supplies	Super Glue, Mounting Tape & Storage Totes
Home Depot	01/23/20	\$9.27	01-14.B116	SEWER SYSTEM SUPPLIES	In-Store	AH			Velcro Strap
Home Depot	01/22/20	\$43.97	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	CP		Net Zero Energy Public Education Center	Cove Base Adhesive & Tools, Drain Cover & Knee Pads
Home Depot	01/22/20	\$48.32	01-14.B116	SEWER SYSTEM SUPPLIES	In-Store	AH		TV Truck	Propane Cylinder, Measuring Tapes
Home Depot	01/31/20	\$17.95	01-14.B116	SEWER SYSTEM SUPPLIES	In-Store	DJ		Supplies	Latching Box & Tape Measure For Inspector Truck
Home Depot	01/31/20	\$9.97	01-11.B116	ADMIN SUPPLIES	In-Store	AB		Supplies	Tape Measure for Van
Home Depot	01/30/20	\$9.97	01-14.B116	SEWER SYSTEM SUPPLIES	In-Store	AH			Rachet Tie Down
Home Depot	01/29/20	\$50.91	01-12.B116	WWTC SUPPLIES	In-Store	NW		Maintenance Repair Supplies	Saw Blades and Mallet

	2/6/2020 2/11/2020 Reimburse		Petty Cash Checking Reimbursem	ent		D-440
Date	Purchased Fro	m	Description	Code	Amount	Ck No.
01/17/20	Notary Express		AK Renewal	17.E452	59.99	3630
01/22/20	MWAA		KL & MS Expo	13.B117	120.00	3631
01/27/20	B&W		DRB Seminar	13.B117	60.00	3633
02/04/20	Janis Howat		BSSRAP Rodding Refund	14.B910	371.32	3634
02/05/20	Costco		Plant Supplies	12.B116	111.18	3635
			Total Receipt	ts/Reimbursement	722.49	
Expense b	y code					
12.B116		111.18				

180.00

371.32

59.99

722.49

13.B117

14.B910

17.E452

Date: 2/6/2020 Petty Cash Reimbursement P - 350

Due Date: 2/11/2020

Invoice #: Cash Box

Date	Purchased From	Reimbursed To	Description	Code	Amount		
1/23/2020	Katys Dumplings		Supervisor Lunch	11.B117	76.33		
1/28/2020	USPS		Postage Due	11.B119	1.16		
2/5/2020	USPS		Postage Due	11.B119	0.61		
			Tot	Total Receipts			

Expense by code

11.B117 76.33 11.B119 1.77

78.10

DOWNERS GROVE SANITARY DISTRICT

<u>M E M O</u>

DATE: February 7, 2020

TO: Board of Trustees

FROM: Amy R. Underwood

Assistant General Manager

RE: Five Year Financial Plan

Enclosed please find copies of the following items:

- 1. Five year financial plan for Fiscal Years 2020-2021 to 2024-2025.
- 2. Notice of availability of Appropriation Ordinance/Budget for public review.
- 3. Revised Budget Calendar.
- 4. Appropriation Ordinance for Fiscal Year 2020-2021.

Staff will review these documents with the Board at the February 11 meeting. We will be seeking Board approval to publish the notice of availability in the Downers Grove Reporter on February 12. Final action is scheduled for the March 17 Board meeting.

cc: KJR, RTJ, MJS, WCC, MGP, NJM

DOWNERS GROVE SANITARY DISTRICT
FIVE YEAR FINANCIAL PLAN
FISCAL YEARS 2020-2021 TO 2024-2025

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		<u>LIST OF EXHIBITS</u>	
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Introduction

This five year plan presents recommended expenditures and revenues necessary to meet the operation, maintenance, replacement, capital improvement and debt service requirements of the District over the five year period from May 1, 2020 to April 30, 2025. The plan contains separate projections for the combined general corporate and replacement fund (operation, maintenance and replacement needs), the construction fund (Wastewater Treatment Center capital improvements), the improvement fund (sewer system and pump station capital improvements) and the public benefit fund. A brief overview of each of these separate projections is provided below.

General Corporate Fund – This plan treats the replacement fund as a restricted portion of the general corporate fund. The balance in the replacement fund is maintained throughout the five year period at the April 30, 1991 level of \$820,000. This treatment allows major replacements to be included in the operation and maintenance budget of the general corporate fund, allows all interest earned on the replacement fund to be fully utilized, and applies the balance in the replacement fund towards meeting the minimum recommended working balance in the general corporate fund.

The plan includes expenditures for the replacement and rehabilitation of the wastewater collection system, including building service repairs to help control sewer system backups and overflows. The goal is to sustain annual replacement and rehabilitation expenses at a level equal to 1.0% of the replacement value of the sewer infrastructure. After FY 2020-21, sewer rehabilitation and replacement costs are sustained at the 1.0% level on an ongoing basis. Expenses include the portion of ARRA loan repayments to the Illinois Environmental Protection Agency (IEPA) associated with sewer rehabilitation work previously conducted with ARRA loan funding.

Planned replacements and major maintenance items for non-sewer fixed assets necessary for continued reliable operation are identified. The FY 2020-21 non-sewer annual replacement, rehabilitation and upgrade expenses budget represents about 225% of the FY 2018-19 annual depreciation of non-sewer fixed assets.

The user rate is proposed to increase from the current level of \$1.70 per 1,000 gallons to \$1.80 per 1,000 gallons for FY 2020-21 with \$0.15 increases projected again in FY 2021-22, FY 2022-23 and FY 2023-24 and a \$0.25 increase projected in FY 2024-25. A higher user rate increase is projected for FY 2024-25 in anticipation of the use of phosphorus reducing chemicals needed to meet a total phosphorus permit limit. Monthly service fees are proposed to remain at the current amount of \$17.00 through FY 2024-25. This accommodates the desired levels of sewer system replacement and rehabilitation expenditures while keeping up with inflation. The surcharge rates are proposed to increase by approximately ten percent for FY 2020-21 and FY 2021-22 with a larger increase proposed in FY 2024-25 due to an anticipated phosphorus limit. Other user charges such as sampling and monitoring charges will increase as the cost to provide services increases with inflation.

<u>Construction Fund</u> – The primary source of revenue to the construction fund is sewer permit fees. These fees are utilized for improvements and additions at the WWTC and for the repayment of loans from the IEPA. Revenues are accumulated for the next major expansion of WWTC capacity, purchase of adjacent property, or other capital improvements that upgrade the facility. The receipt of grant funding associated with recent energy-related improvements was

an additional revenue source in FY 2019-20. Construction of a chemical feed system for phosphorus removal is anticipated in FY 2023-24 and FY 2024-25.

Improvement Fund – The primary sources of revenue to the improvement fund are trunk and lateral sewer service charges. The plan proposes to pay for sewer system additions from this fund. Revenues are accumulated for sewer and lift station capital improvements. This fund is used to finance special assessments extending sewers into unsewered areas, with funds repaid by the owners of properties benefited by the new sewers using vouchers. Renovation of the Centex Lift Station is anticipated in FY 2021-22.

<u>Public Benefit Fund</u> – The public benefit fund may only be used to pay for the portion of sewer extensions or sewer special assessments which the Board of Trustees deems to be of benefit to an area larger than the immediate service area.

	5)/45/40	E)/ 40 47	E)/ 47 40	577.40.40	F)/ 40 00	FY 19-20	E) / 00 04	F1/ 00 04	F) / 0 / 00	F) / 00 00	E) / 00 04	EV 04 05
	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
11. Administration												
A. Salary & Wages												
001. Trustees	\$18,000	\$18,000	\$18,000	\$18,000	\$18,000	\$18,000	\$18,000		\$18,000	\$18,000	\$18,000	\$18,000
002. B.O.L.I.	0	0	0	0	900	0	900		900	900	900	900
003. General Management	213,764	220,051	212,437	234,862	463,000	348,861	244,200		252,750	261,600	270,750	280,250
004. Financial Records	209,439	181,647	186,692	197,403	193,400	203,449	194,400		201,200	208,250	215,550	223,100
005. Administrative Records	39,398	42,091	40,688	49,549	61,500	28,712	25,300		26,200	27,100	28,050	29,000
006. Engineering						9,153	12,350		12,800	13,250	13,700	14,200
007. Code Enforcement	302,401	306,940	328,764	375,864	354,300	421,150	372,400		385,450	398,950	412,900	427,350
008. Safety Activities	1,747	784	1,212	810	2,550	12,095	22,250		23,000	23,800	24,650	25,500
030. Building & Grounds	5,661	5,629	1,988	1,333	0	302	1,500		1,550	1,600	1,650	1,750
Subtotal	\$790,410	\$775,142	\$789,783	\$877,821	\$1,093,650	\$1,041,721	\$891,300	\$1,020,000	\$921,850	\$953,450	\$986,150	\$1,020,050
B. Operation & Maintenance												
100. Electricity	\$3,733	\$3,228	\$5,092	\$2,118	\$4,000	\$3,091	\$4,000		\$4,250	\$4,500	\$4,750	\$5,050
101. Natural Gas	647	1,053	1,161	1,278	3,000	1,829	3,000		3,100	3,200	3,300	3,400
102. Water, Garbage, Other	817	858	1,316	454	1,150	990	1,200		1,200	1,250	1,250	1,300
110. Bank Charges	21,652	16,000	15,709	14,746	18,500	15,091	18,000		18,400	18,700	19,100	19,500
112. Communication	13,874	16,413	12,907	13,883	16,000	16,076	19,300		19,700	20,100	20,500	20,800
113. Emergency/Safety Eqpt							42,000		17,900	19,300	15,800	19,300
115. Eqpt/Eqpt Repair	74,037	103,498	86,011	87,084	81,500	81,000	93,000		107,000	111,000	108,000	90,000
116. Supplies	3,395	5,741	6,811	6,792	7,300	8,667	7,500		7,600	7,700	7,800	7,900
117. Employee/Duty Costs	19,724	16,052	10,280	11,050	13,000	19,089	20,000		20,400	20,700	21,100	21,500
118. Building & Grounds	13,004	16,680	53,584	12,541	24,000	24,821	34,000		103,000	64,000	43,000	25,000
119. Postage	7,830	8,223	6,262	6,308	11,500	6,988	9,500		8,000	8,300	9,700	9,100
120. Printing/Photography	10,551	9,705	7,935	11,509	11,400	11,350	12,000		12,000	12,000	12,500	12,500
121. User Billing Material	66,947	65,076	60,735	64,580	74,500	63,158	76,000		76,300	76,500	76,900	74,500
124. Contract Services	64,181	73,879	92,766	135,569	119,700	95,380	102,000		102,500	106,500	106,550	111,100
137. Memberships/Subscriptions	11,345	11,554	9,929	6,969	10,700	9,713	11,100		11,100	11,100	11,200	11,200
Subtotal	\$311,736	\$347,961	\$370,498	\$374,883	\$396,250	\$357,244	\$452,600	\$540,000	\$512,450	\$484,850	\$461,450	\$432,150
C. Vehicles												
222. Gas/Fuel	\$914	\$859	\$933	\$858	\$1,800	\$1,494	\$2,000		\$2,000	\$2,100	\$2,100	\$2,200
225. Operation/Repair	365	429	334	1,113	1,400	2,330	2,600		2,650	2,700	2,750	2,800
226. Vehicle Purchase	9,256	0	0	0	0	0	0		14,000	14,500	15,000	0
Subtotal	\$10,534	\$1,288	\$1,267	\$1,971	\$3,200	\$3,824	\$4,600	\$10,000	\$18,650	\$19,300	\$19,850	\$5,000
TOTALS	\$1,112,681	\$1,124,391	\$1,161,547	\$1,254,674	\$1,493,100	\$1,402,789	\$1,348,500	\$1,570,000	\$1,452,950	\$1,457,600	\$1,467,450	\$1,457,200

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
12. Wastewater Treatment Center												
A. Salary & Wages												
006. Engineering						\$23,317	\$36,500		\$37,800	\$39,100	\$40,450	\$41,900
009. Oper. Management	\$112,177	\$117,227	\$112,052	\$99,519	\$23,450	107,290	104,100		107,750	111,550	115,450	119,500
010. Maintenance	461,136	475,079	498,714	542,819	582,600	496,068	530,050		548,600	567,800	587,650	608,250
020. WWTC	482,983	484,585	513,848	531,533	617,400	558,611	576,400		596,600	617,500	639,100	661,450
030. Building & Grounds	38,198	59,807	65,648	57,751	50,500	89,149	137,350		142,150	147,100	152,250	157,600
Subtotal	\$1,094,494	\$1,136,698	\$1,190,263	\$1,231,621	\$1,273,950	\$1,274,434	\$1,384,400	\$1,590,000	\$1,432,900	\$1,483,050	\$1,534,900	\$1,588,700
B.Operation & Maintenance												
100. Electricity	\$190,174	\$188,832	\$140,576	\$75,263	\$72,000	\$87,297	\$109,000		\$50,000	\$53,000	\$56,200	\$59,550
101. Natural Gas	4,321	6,600	6,820	6,010	12,000	8,289	10,000		10,600	11,250	11,950	12,650
102. Water, Garbage, Other	36,423	36,131	28,603	22,573	33,000	22,615	36,000		37,100	38,200	39,350	40,500
103. Odor Control	2,997	10,574	4,591	3,603	30,000	7,285	4,000		4,100	4,250	4,350	4,500
104. Fuel - Generators	7,688	1,731	16,023	15,301	15,500	7,063	14,000		14,400	14,850	15,300	15,750
112. Communication	10,554	12,907	15,620	15,094	17,500	16,439	20,000		20,000	20,200	20,300	20,500
113. Emergency/Safety Eqpt	12,375	18,943	9,538	15,005	17,200	13,990	9,500		9,800	10,100	10,400	10,700
400. Chemicals	62,145	100,026	84,369	127,772	111,700	119,485	120,650		124,250	128,000	131,850	657,800
500. Eqpt/Eqpt Repair	928,720	714,380	763,286	642,336	1,407,100	921,080	2,687,850		1,132,450	911,950	1,026,000	931,300
116. Supplies	41,080	28,716	29,175	27,058	29,750	35,734	32,300		32,550	33,500	34,550	35,550
117. Employee/Duty Costs	16,030	18,680	22,151	19,573	25,000	21,265	26,000		26,500	27,000	27,500	28,000
800. Building & Grounds	261,251	285,646	200,700	222,016	257,700	254,972	301,950		237,150	251,000	232,650	264,400
124. Contract Services	82,796	85,280	127,218	131,034	203,700	203,705	209,800		216,100	222,600	24,950	25,700
130. NPDES Permit Fees	53,000	53,000	53,000	53,000	53,000	53,000	53,000		53,000	53,000	53,000	53,000
131. Sludge Hauling/Disposal Services			20,000	64,274	80,000	134,005	80,000		20,000	10,000	10,000	10,000
Subtotal	\$1,709,553	\$1,561,447	\$1,521,669	\$1,439,911	\$2,365,150	\$1,906,223	\$3,714,050	\$4,460,000	\$1,988,000	\$1,788,900	\$1,698,350	\$2,169,900
C. Vehicles												
222. Gas/Fuel	\$19,652	\$12,376	\$18,255	\$16,834	\$30,000	\$20,979	\$29,000		\$29,850	\$30,750	\$31,700	\$32,650
225. Operation/Repair	9,655	3,594	9,911	10,073	7,500	6,456	8,000		8,250	8,500	8,750	9,000
226. Vehicle Purchase	28,473	0	4,851	10,778	41,000	42,746	10,000		60,500	41,000	26,000	71,000
Subtotal	\$57,780	\$15,969	\$33,017	\$37,685	\$78,500	\$70,182	\$47,000	\$60,000	\$98,600	\$80,250	\$66,450	\$112,650
TOTALS	\$2,861,828	\$2,714,115	\$2,744,949	\$2,709,217	\$3,717,600	\$3,250,839	\$5,145,450	\$6,110,000	\$3,519,500	\$3,352,200	\$3,299,700	\$3,871,250

						FY 19-20						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Projected	FY 20-21	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
	Actual	Actual	Actual	Actual	Budget	Actual	Budget	Appropriation	Projected	Projected	Projected	Projected
					_		_		-	-	-	-
13. Laboratory												
A. Salary & Wages												
009. Oper. Management	\$65,021	\$67,465	\$54,228	\$75,106	\$64,600	\$72,273	\$82,250		\$85,150	\$88,150	\$91,200	\$94,400
040. Laboratory	128,283	131,733	156,506	145,486	170,850	162,660	166,950		172,750	178,800	185,100	191,550
Subtotal	\$193,304	\$199,198	\$210,735	\$220,591	\$235,450	\$234,933	\$249,200	\$290,000	\$257,900	\$266,950	\$276,300	\$285,950
B. Operation & Maintenance												
114. Chemicals	\$12,051	\$8,328	\$9,566	\$11,478	\$17,200	\$16,914	\$17,800		\$18,500	\$19,300	\$20,000	\$20,800
115. Egpt/Egpt Repair	5,851	68,634	29,948	18,238	16,200	16,472	16,000		70,500	36,000	32,000	35,000
116. Supplies	11,869	14,505	11,721	8,171	20,750	12,728	21,100		22,000	22,800	23,800	24,700
117. Employee/Duty Costs	2,489	2,307	2,498	3,039	5,500	1,943	5,600		5,700	5,800	5,900	6,000
122. Monitoring Equipment	3,395	5,674	377	769	9,000	6,634	9,000		4,000	9,000	4,000	9,000
123. Outside Lab Services	14,180	17,033	13,344	16,701	19,050	16,481	19,700		20,500	21,300	22,200	23,100
Subtotal	\$49,835	\$116,480	\$67,454	\$58,395	\$87,700	\$71,171	\$89,200	\$110,000	\$141,200	\$114,200	\$107,900	\$118,600
C. Vehicles												
222. Gas/Fuel	\$333	\$299	\$392	\$362	\$500	\$519	\$550		\$550	\$550	\$600	\$600
225. Operation/Repair	141	168	96	106	200	1,271	200		200	200	250	250
226. Vehicle Purchase	0	6,762	0	0	0	0	0		0	14,500	0	0
Subtotal	\$474	\$7,230	\$487	\$469	\$700	\$1,789	\$750	\$10,000	\$750	\$15,250	\$850	\$850
TOTALS	\$243,613	\$322,907	\$278,675	\$279,455	\$323,850	\$307,893	\$339,150	\$410,000	\$399,850	\$396,400	\$385,050	\$405,400

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 19-20 Projected	FY 20-21	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
	Actual	Actual	Actual	Actual	Budget	Actual	Budget	Appropriation	Projected	Projected	Projected	Projected
14. Collection System												
A. Salary & Wages												
006. Engineering						\$9,545	\$15,350		\$15,900	\$16,450	\$17,000	\$17,600
050. Sewer Maintenance	\$139,670	\$152,688	\$161,571	\$184,433	\$163,350	187,604	203,500		210,650	218,000	225,650	233,550
060. Inspection	279,822	280,008	271,723	295,613	271,300	204,231	244,600		253,150	262,050	271,200	280,700
070. Investigations	10,557	10,733	10,595	9,245	12,150	3,092	10,250		10,600	10,950	11,350	11,750
Subtotal	\$430,049	\$443,429	\$443,889	\$489,291	\$446,800	\$404,472	\$473,700	\$540,000	\$490,300	\$507,450	\$525,200	\$543,600
B. Operation & Maintenance												
112. Communication	7,121	8,987	8,534	7,605	10,500	8,632	11,500		11,600	11,700	11,800	11,900
113. Emer/Safety Equipment	1,786	9,558	4,697	1,031	5,050	2,731	4,350		4,000	3,600	3,700	3,800
115. Eqpt/Eqpt Repair	56,623	198,834	73,191	27,514	45,450	51,008	59,450		57,000	67,700	69,700	86,800
116. Supplies	5,609	4,026	4,893	4,943	5,500	4,573	4,000		5,600	5,800	5,950	6,150
117. Employee/Duty Costs	7,289	11,967	9,951	7,708	13,500	9,786	13,500		13,700	14,000	14,200	14,500
124. Contract Services	135,226	81,513	71,093	107,940	132,100	162,665	105,000		105,000	105,000	105,000	105,000
900. Collection System Repair	1,018,488	1,889,063	1,887,222	1,972,430	1,481,600	1,345,915	1,631,600		2,181,600	2,181,600	2,181,600	2,181,600
127. JULIE	16,093	16,950	17,386	16,526	16,900	16,236	16,750		17,300	17,850	18,400	18,950
128. Overhead Sewer Program	18,961	6,633	11,080	22,634	15,000	11,088	15,000		15,000	15,000	15,000	15,000
129. Public Sewer Blockage Program	5,583	16,379	3,232	5,426	12,000	4,000	12,000		12,000	12,000	12,000	12,000
Subtotal	\$1,272,780	\$2,243,910	\$2,091,278	\$2,173,756	\$1,737,600	\$1,616,634	\$1,873,150	\$2,250,000	\$2,422,800	\$2,434,250	\$2,437,350	\$2,455,700
C. Vehicles												
222. Gas/Fuel	\$13,935	\$10,023	\$14,490	\$13,263	\$26,500	\$14,462	\$26,000		\$27,550	\$29,200	\$30,950	\$32,800
225. Operation/Repair	2,404	8,841	10,189	6,188	6,500	13,054	6,700		6,900	7,100	7,300	7,550
226. Vehicle Purchase	133	0	36,242	411	20,000	25,720	44,500		(10,000)	0	325,000	18,000
Subtotal	\$16,472	\$18,863	\$60,921	\$19,862	\$53,000	\$53,237	\$77,200	\$90,000	\$24,450	\$36,300	\$363,250	\$58,350
TOTALS	\$1,719,301	\$2,706,203	\$2,596,088	\$2,682,909	\$2,237,400	\$2,074,343	\$2,424,050	\$2,880,000	\$2,937,550	\$2,978,000	\$3,325,800	\$3,057,650

						FY 19-20						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Projected	FY 20-21	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
	Actual	Actual	Actual	Actual	Budget	Actual	Budget	Appropriation	Projected	Projected	Projected	Projected
15. Lift Stations												
A. Salary & Wages												
006. Engineering						\$2,801	\$3,900		\$4,000	\$4,150	\$4,300	\$4,450
009. Oper. Management	\$94	\$350	\$5,734	\$9,494	\$450	3,545	9,900		10,250	10,600	11,000	11,400
030. Building & Grounds	750	1,274	1,943	1,355	0	3,422	9,200		9,550	9,900	10,250	10,600
080. Lift Station Maint.	38,896	36,061	73,740	69,327	70,050	68,148	77,400		80,100	82,900	85,800	88,800
Subtotal	\$39,740	\$37,685	\$81,418	\$80,176	\$70,500	\$77,915	\$100,400	\$120,000	\$103,900	\$107,550	\$111,350	\$115,250
B. Operation & Maintenance												
100. Electricity	\$102,003	\$102,568	\$109,875	\$115,955	\$123,450	\$120,268	\$127,500		\$135,150	\$143,250	\$151,850	\$160,950
104. Fuel - Generators	2,595	3,600	3,337	3,729	5,000	3,000	4,500		4,650	4,800	4,950	5,100
112. Communication	5,892	3,932	4,040	4,228	5,500	4,428	6,000		6,000	6,000	6,000	6,000
113. Emer/Safety Eqpt.	0	145	74	0	250	354	1,000		1,100	1,100	1,100	1,200
500. Eqpt/Eqpt Repair	161,721	145,386	93,296	155,538	171,200	110,872	105,300		98,250	123,000	130,550	127,800
116. Supplies	215	493	387	432	400	173	400		450	450	450	500
800. Building & Grounds	18,480	14,140	61,657	36,795	46,900	72,698	57,700		68,950	42,250	47,700	48,850
Subtotal	\$290,906	\$270,264	\$272,665	\$316,677	\$352,700	\$311,793	\$302,400	\$360,000	\$314,550	\$320,850	\$342,600	\$350,400
TOTALS	\$330,645	\$307,949	\$354,083	\$396,853	\$423,200	\$389,708	\$402,800	\$480,000	\$418,450	\$428,400	\$453,950	\$465,650
17. Insurance & Employee Benefits												
E. Insurance & Payroll										****		
452. Liability/Property	\$201,984	\$203,477	\$182,779	\$173,012	\$192,500	\$189,830	\$208,000		\$214,000	\$214,000	\$215,000	\$215,000
455. Employee Group Coverage	409,005	429,914	456,818	509,573	529,250	477,832	514,000		548,000	580,000	614,000	650,000
460. I.M.R.F.	310,245	297,755	311,454	320,556	277,350	256,686	318,000		339,050	362,050	385,100	411,100
461. Social Security	189,946	192,335	209,026	213,468	235,150	213,535	232,000		240,000	249,000	257,000	266,000
TOTALS	\$1,111,180	\$1,123,481	\$1,160,077	\$1,216,608	\$1,234,250	\$1,137,882	\$1,272,000	\$1,460,000	\$1,341,050	\$1,405,050	\$1,471,100	\$1,542,100
GRAND TOTALS	\$7,379,248	\$8,299,047	\$8,295,420	\$8,539,717	\$9,429,400	\$8,563,454	\$10,931,950	\$12,910,000	\$10,069,350	\$10,017,650	\$10,403,050	\$10,799,250

						FY 19-20						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Projected	FY 20-21	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
	Actual	Actual	Actual	Actual	Budget	Actual	Budget	Appropriation	Projected	Projected	Projected	Projected
REVENUES												
User receipts	\$3,195,706	\$3,107,149	\$3,181,525	\$3,132,389	\$3,315,400	\$3,125,540	\$3,451,000	\$3,451,000	\$3,268,800	\$3,859,700	\$4,054,900	\$4,398,500
Surcharges	343,098	352,938	335,186	333,079	325,000	344,219	375,000	375,000	425,000	425,000	425,000	525,000
Monthly service fees	2,842,996	3,201,483	3,571,582	3,843,884	4,069,100	4,101,926	4,120,800	4,120,800	4,120,800	4,120,800	4,120,800	4,120,800
Plan review fees	642	0	2,481	364	1,000	618	2,000	2,000	3,000	4,000	4,000	4,000
Const inspection fees	462	928	0	0	500	150	500	500	500	500	500	500
Permit inspection fees	25,505	24,366	27,661	25,810	22,000	24,903	22,000	22,000	22,000	22,000	22,000	22,000
Interest	5,333	7,111	14,562	43,087	35,000	52,866	38,000	38,000	38,000	38,000	38,000	38,000
Sampling & monitoring charges	79,421	88,834	94,702	100,401	70,000	104,993	72,500	72,500	75,000	77,500	80,000	82,500
Real estate taxes	1,105,162	1,126,923	1,144,467	1,183,080	1,188,550	1,219,187	1,254,500	1,254,500	1,290,900	1,328,300	1,366,800	1,406,400
Television inspection fees	159	227	0	0	150	0	150	150	150	150	150	150
Replacement taxes	84,306	88,559	72,184	74,500	75,000	75,824	75,000	75,000	75,000	75,000	75,000	75,000
Lease payments	33,096	33,043	33,375	33,899	33,500	34,340	34,850	34,850	35,350	35,800	36,300	36,800
Miscellaneous	6,984	29,070	15,017	14,225	10,000	13,482	10,000	10,000	10,000	10,000	10,000	10,000
Grease Waste	160,384	213,518	201,690	224,488	220,000	202,995	200,000	200,000	220,000	220,000	220,000	220,000
Renewable Energy Credits			4,644	11,627	3,000	3,722	3,000	3,000	3,000	3,000	3,000	3,000
TOTAL REVENUES	\$7,883,253	\$8,274,150	\$8,699,075	\$9,020,833	\$9,368,200	\$9,304,765	\$9,659,300	\$9,659,300	\$9,587,500	\$10,219,750	\$10,456,450	\$10,942,650
TOTAL EXPENSES	\$7,379,248	\$8,299,047	\$8,295,420	\$8,539,717	\$9,429,400	\$8,563,454	\$10,931,950	\$12,910,000	\$10,069,350	\$10,017,650	\$10,403,050	\$10,799,250
EXCESS (DEFICIT) REVENUES												
OVER EXPENSES	\$504,005	(\$24,897)	\$403,655	\$481,117	(\$61,200)	\$741,311	(\$1,272,650)	(\$3,250,700)	(\$481,850)	\$202,100	\$53,400	\$143,400
ENDING FUND BALANCE	\$2,417,752	\$2,392,855	\$2,796,510	\$3,277,627	\$3,216,427	\$4,018,938	\$2,746,288	\$768,238	\$2,264,438	\$2,466,538	\$2,519,938	\$2,663,338
				. , .				,,				
RESTRICTED FOR REPLACEMENT	\$820,000	\$820,000	\$820,000	\$820,000	\$820,000	\$820,000	\$820,000		\$820,000	\$820,000	\$820,000	\$820,000
UNRESTRICTED	\$1,597,752	\$1,572,855	\$1,976,510	\$2,457,627	\$2,396,427	\$3,198,938	\$1,926,288		\$1,444,438	\$1,646,538	\$1,699,938	\$1,843,338
ENDING FUND BALANCE AS PERCENTAGE												
OF TOTAL EXPENSES	33%	29%	34%	38%	34%	47%	25%		22%	25%	24%	25%
USER RATE	\$1.65	\$1.65	\$1.65	\$1.65	\$1.70	\$1.70	\$1.80		\$1.95	\$2.10	\$2.25	\$2.50
INCREASE FROM PRIOR YEAR'S RATE	0.0%	0.0%	0.0%	0.0%	3.0%	3.0%	5.9%		8.3%	7.7%	7.1%	11.1%
MONTHLY SERVICE FEE	\$12.00	\$13.50	\$15.00	\$16.00	\$17.00	\$17.00	\$17.00		\$17.00	\$17.00	\$17.00	\$17.00
INCREASE FROM PRIOR YEAR'S FEE	9.1%	12.5%	11.1%	6.7%	6.3%	6.3%	0.0%		0.0%	0.0%	0.0%	0.0%

GENERAL CORPORATE FUND EXPENDITURES

Summary

The annual budgets for operation, maintenance and replacement for the next five years are contained in Exhibit 1. The proposed budget amounts represent the best estimates of actual expenditures each year. Necessary contingencies for FY 2020-21 are provided in the proposed appropriation amounts for the major categories in each department. The appropriation amounts represent the legal limit on spending during the year as established in the appropriation ordinance.

Total operation, maintenance and replacement expenditures for FY 2020-21 are budgeted at \$10,931,950 and actual expenditures are expected to be 100% of budget. Actual expenditures for FY 2019-20 are projected to be \$8,543,754, which is approximately 9% less than was budgeted. For the past few years, the ending fund balance has been above the target level, which is 25% of the total annual expenses. The increase in expenditures in FY 2020-21 is planned in order to spend down the surplus on projects that were slated for FY 2019-20 that were not completed as well as projects necessary to improve the operation of the WWTC, as discussed in further detail below. The following table presents budget and actual totals for the last ten years and projected budget totals for the next five years:

	O & M	Actual	0/ of Actual	Annual Increase in Actual
		Actual	% of Actual	
<u>Fiscal Year</u>	<u>Budget</u>	<u>Expenditures</u>	<u>to Budget</u>	<u>Expenditures</u>
2010-11	11,599,550	10,118,798	87%	30.7%
2011-12	7,507,300	7,786,276	104%	-23.1%
2012-13	7,275,100	7,414,342	102%	-4.8%
2013-14	7,589,050	7,559,060	100%	2.0%
2014-15	7,509,450	7,546,493	100%	-0.2%
2015-16	7,824,150	7,379,248	94%	-2.2%
2016-17	8,343,000	8,299,047	99%	12.5%
2017-18	8,796,200	8,295,420	94%	0.0%
2018-19	9,204,250	8,539,717	93%	2.9%
2019-20	9,429,400	8,563,454*	91%*	0.3%*
2020-21	10,931,950	10,931,950*	100%*	28.0%*
2021-22	10,069,350	10,069,350*	100%*	-7.9%*
2022-23	10,017,650	10,017,650*	100%*	-0.5%*
2023-24	10,403,500	10,403,500*	100%*	3.8%*
2024-25	10,799,250	10,799,250*	100%*	3.8%*
*projected				

Increases in FY 2010-11 represent sewer system rehabilitation and replacement projects leveraging ARRA funding that was available in that time period, with the decrease in FY 2011-12 representing the end of this program funding opportunity. The decrease in FY 2012-13 was primarily due to reduced operating costs associated with low rainfall totals during this period. The increase from FY 2015-16 to FY 2016-17 represents the successful completion of new and outstanding sewer system rehabilitation and replacement projects, and new equipment in the sewer televising truck. The increase from FY 2017-18 to FY 2018-19 represents an increase in the annual expenditures for sewer replacement and rehabilitation. The projected increase from FY 2019-20 to FY 2020-21 is due to carryover of FY 2019-20 projects as well as CHP engine

replacement and solids handling projects. These improvements will enhance the operation of the existing facilities to reduce future operating expenses. The increase in FY 2023-24 reflects the replacement of the heavy duty sewer system jetter/vacuum truck. The increase in FY 2024-25 includes the addition of phosphorus reducing chemicals. This expense is partially offset by discontinuation of the DRSCW special assessment for stream restoration projects after FY 2022-23.

Analysis by Type of Expenditure

I. Salaries and Wages

<u>Year</u>	Salaries and Wages	<u>Change</u>	Equivalents
FY 2015-16	2,547,998	0.1%	36.4
FY 2016-17	2,592,153	1.7%	37.1
FY 2017-18	2,716,088	4.8%	37.8
FY 2018-19	2,899,501	6.8%	38.7
FY 2019-20	3,033,475	4.6%	38.5
FY 2020-21	3,099,000	2.2%	38.8
FY 2021-22	3,206,850	3.5%	38.6
FY 2022-23	3,318,450	3.5%	38.6
FY 2023-24	3,433,900	3.5%	38.6
FY 2024-25	3,553,550	3.5%	38.6

The small increase in FY 2015-16 reflects the retirement of a long-time supervisor at the beginning of the year and a temporary shortage of part time clerical staff. The increase in FY 2016-17 reflects turnover in the sewer system department and normal salary adjustments with nearly full staffing. Increases in FY 2017-18 and FY 2018-19 reflect turnover at the sewer technician position and some overlapping hires needed to address pending retirements. The increase in FY 2019-20 reflects the retirement of an inspector, the addition of a staff engineering position, and some overlapping hires needed to address pending retirements. The increase in FY 2020-21 is lower than previously years as it reflects turnover at two higher salary positions, the general manager and sewer construction supervisor positions, due to retirement. Hiring of an additional full time mechanic is also reflected in FY 2020-21. After FY 2020-21, annual salary adjustments of 3.5% at full staffing account for future increases.

II. O & M Expenses – Utilities

<u>Year</u>	<u>Utilities</u>	<u>Change</u>
FY 2015-16	338,117	-19.9%
FY 2016-17	339,270	0.3%
FY 2017-18	293,443	-13.5%
FY 2018-19	223,652	-23.8%
FY 2019-20	244,379	9.3%
FY 2020-21	290,700	19.0%
FY 2021-22	241,400	-17.0%
FY 2022-23	254,650	5.5%
FY 2023-24	268,650	5.5%
FY 2024-25	283,400	5.5%

Cull Time

The first phase of the CHP gas utilization system was started up during FY 2014-15, and FY 2015-16 reductions in utility costs reflect resulting reduced electricity usage. Further reductions in FY 2017-18 and FY 2018-19 reflect implementation of the second phase of the CHP gas utilization system. The increases in FY 2019-20 and FY 2020-21 are due to one of the CHP gas utilization systems being out of service. The out of service CHP system is planned for replacement in FY 2020-21, and the projected decrease in FY 2021-22 reflects the expected decrease in electrical expenses with the second system in service. Electric price increases are projected to grow at 6% per year. Natural gas use is expected to remain low compared to historic levels.

III. O & M Expenses – Other

O & M Expenses - Excluding Utilities	<u>Change</u>
3,296,692	3.1%
4,200,792	27.4%
4,030,120	-4.1%
4,139,970	2.7%
4,018,686	-2.9%
6,140,700	52.8%
5,137,600	-16.3%
4,888,400	-4.9%
4,779,000	-2.2%
5,243,350	9.7%
	3,296,692 4,200,792 4,030,120 4,139,970 4,018,686 6,140,700 5,137,600 4,888,400 4,779,000

The increase from FY 2015-16 to FY 2016-17 was due to completion of new and ongoing sewer replacement and rehab projects and new televising equipment in the sewer TV truck. The increase from FY 2017-18 to FY 2018-19 represents an increase in the annual expenditures for sewer replacement and rehabilitation. The planned FY 2020-21 expenses are significantly higher than previous years due to replacement of a CHP engine, a cover for three sludge drying beds and a composting pilot as well as the WAS thickener project not being completed in FY 2019-20 as originally planned. All these projects will improve operations. In general, expenses over the next five years are increased in comparison to the last five years to address aging infrastructure and to improve operating performance. FY 2024-25 also reflects the addition of phosphorus removing chemicals in anticipation of a future total phosphorus limit. Major planned expenses are detailed in Exhibit 2.

IV. Vehicles

<u>Year</u>	<u>Vehicles</u>	Replacements	<u>Change</u>
FY 2015-16	85,260	4	-30.1%
FY 2016-17	43,351	1	-49.2%
FY 2017-18	95,692	2	120.7%
FY 2018-19	59,986	1	-37.3%
FY 2019-20	129,032	3	115.1%
FY 2020-21	129,550	3	0.4%
FY 2021-22	142,450	4	10.0%
FY 2022-23	151,100	4	6.1%
FY 2023-24	450,400	4	198.1%
FY 2024-25	176,850	4	-60.7%

Vehicle expenses fluctuate based on vehicle replacement needs and average \$146,367 per year during the ten year period shown. Small vehicles are generally scheduled for replacement after six years of use, while larger heavy duty vehicles have a longer service life. Small CNG vehicles are scheduled for replacement after 10 years. Replacement of the heavy duty sewer system jetter/vacuum truck is anticipated in FY 2023-24. Proposed vehicle replacements are detailed in Exhibit 2 under budget codes 11C226, 12C226, 13C226 and 14C226.

V. Insurance and Employee Benefits

<u>Year</u>	Ins/Emp Benefits	<u>Change</u>
FY 2015-16	1,111,180	-11.8%
FY 2016-17	1,123,481	1.1%
FY 2017-18	1,160,077	3.3%
FY 2018-19	1,216,608	4.9%
FY 2019-20	1,137,882	-6.5%
FY 2020-21	1,272,000	11.8%
FY 2021-22	1,341,050	5.4%
FY 2022-23	1,405,050	4.8%
FY 2023-24	1,471,100	4.7%
FY 2024-25	1,542,100	4.8%

The proposed increases in these expenditures are due to anticipated premium increases on all coverages, particularly employee group, workers compensation, property and liability. While premium rates related to property and liability lines of coverage are trending generally flat, workers compensation premiums are anticipated to have greater variability over the next few years. Projected increases in the District's IMRF contribution rate are due to a decrease in the IMRF assumed earnings rate and anticipated retirement activity in the near future.

						FY 19-20						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Projected	FY 20-21	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
	Actual	Actual	Actual	Actual	Budget	Actual	Budget	Appropriation	Projected	Projected	Projected	Projected
SUMMARY AND ANALYSIS EXPENSE ANALYSIS BY DEPARTMENT ADMINISTRATION												
SALARIES AND WAGES % CHANGE FROM PRIOR YEAR	\$790,410 2.0%	\$775,142 -1.9%	\$789,783 1.9%	\$877,821 11.1%	\$1,093,650 24.6%	\$1,041,721 18.7%	\$891,300 -14.4%	\$1,020,000	\$921,850 3.4%	\$953,450 3.4%	\$986,150 3.4%	\$1,020,050 3.4%
OFFICE EXPENSES % CHANGE FROM PRIOR YEAR	\$311,736 -10.6%	\$347,961 11.6%	\$370,498 6.5%	\$374,883 1.2%	\$396,250 5.7%	\$357,244 -4.7%	\$452,600 26.7%	\$540,000	\$512,450 13.2%	\$484,850 -5.4%	\$461,450 -4.8%	\$432,150 -6.3%
VEHICLE EXPENSES % CHANGE FROM PRIOR YEAR	\$10,534 -41.8%	\$1,288 -87.8%	\$1,267 -1.7%	\$1,971 55.6%	\$3,200 62.4%	\$3,824 94.0%	\$4,600 20.3%	\$10,000	\$18,650 305.4%	\$19,300 3.5%	\$19,850 2.8%	\$5,000 -74.8%
TOTAL ADMINISTRATION EXPENSES % CHANGE FROM PRIOR YEAR	\$1,112,681 -2.6%	\$1,124,391 1.1%	\$1,161,547 3.3%	\$1,254,674 8.0%	\$1,493,100 19.0%	\$1,402,789 11.8%	\$1,348,500 -3.9%	\$1,570,000	\$1,452,950 7.7%	\$1,457,600 0.3%	\$1,467,450 0.7%	\$1,457,200 -0.7%

COMMENTS

Salaries and Wages Salary levels generally increase with projected salary adjustments. The higher salary level in FY 19-20 was a result of

succession planning for the general manager position.

Office Outside work including re-roofing the administration center is included. Inside work including remodeling the reception

area and new carpeting are included. Office servers and software updates are included.

Vehicles Vehicles and repairs and replacement of vehicles in FY 21-22, FY 22-23 and FY

23-24.

						FY 19-20						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Projected	FY 20-21	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
	Actual	Actual	Actual	Actual	Budget	Actual	Budget	Appropriation	Projected	Projected	Projected	Projected
SUMMARY AND ANALYSIS EXPENSE ANALYSIS BY DEPARTMENT WASTEWATER TREATMENT CENTER												
SALARIES AND WAGES % CHANGE FROM PRIOR YEAR	\$1,094,494 -3.7%	\$1,136,698 3.9%	\$1,190,263 4.7%	\$1,231,621 3.5%	\$1,273,950 3.4%	\$1,274,434 3.5%	\$1,384,400 8.6%	\$1,590,000	\$1,432,900 3.5%	\$1,483,050 3.5%	\$1,534,900 3.5%	\$1,588,700 3.5%
OPERATION & MAINTENANCE EXPENSES % CHANGE FROM PRIOR YEAR	\$1,709,553 -4.5%	\$1,561,447 -8.7%	\$1,521,669 -2.5%	\$1,439,911 -5.4%	\$2,365,150 64.3%	\$1,906,223 32.4%	\$3,714,050 94.8%	\$4,460,000	\$1,988,000 -46.5%	\$1,788,900 -10.0%	\$1,698,350 -5.1%	\$2,169,900 27.8%
VEHICLE EXPENSES % CHANGE FROM PRIOR YEAR	\$57,780 7.9%	\$15,969 -72.4%	\$33,017 106.8%	\$37,685 14.1%	\$78,500 108.3%	\$70,182 86.2%	\$47,000 -33.0%	\$50,000	\$98,600 109.8%	\$80,250 -18.6%	\$66,450 -17.2%	\$112,650 69.5%
TOTAL PLANT EXPENSES % CHANGE FROM PRIOR YEAR	\$2,861,828 -3.9%	\$2,714,115 -5.2%	\$2,744,949 1.1%	\$2,709,217 -1.3%	\$3,717,600 37.2%	\$3,250,839 20.0%	\$5,145,450 58.3%	\$6,100,000	\$3,519,500 -31.6%	\$3,352,200 -4.8%	\$3,299,700 -1.6%	\$3,871,250 17.3%

COMMENTS

Salaries and Wages WWTC salaries and wages reflect full staffing, including an additional mechanic starting in FY 20-21, and projected annual salary adjustments.

FYE 20-21. Completion of the WAS thickener project, which was originally intended to be done in FY 19-20, has been carried over into FY 20-21. Planned upgrades and replacements are detailed in Exhibit 2 under codes 12B500 and

12B800.

Vehicles Vehicle costs vary based on replacement needs. Vehicle replacements are detailed in Exhibit 2 under budget code

12C226.

						FY 19-20						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Projected	FY 20-21	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
	Actual	Actual	Actual	Actual	Budget	Actual	Budget	Appropriation	Projected	Projected	Projected	Projected
SUMMARY AND ANALYSIS EXPENSE ANALYSIS BY DEPARTMENT LABORATORY												
SALARIES AND WAGES	\$193,304	\$199,198	\$210,735	\$220,591	\$235,450	\$234,933	\$249,200	\$290,000	\$257,900	\$266,950	\$276,300	\$285,950
% CHANGE FROM PRIOR YEAR	7.2%	3.0%	5.8%	4.7%	6.7%	6.5%	6.1%		3.5%	3.5%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$49,835	\$116,480	\$67,454	\$58,395	\$87,700	\$71,171	\$89,200	\$110,000	\$141,200	\$114,200	\$107,900	\$118,600
% CHANGE FROM PRIOR YEAR	-7.1%	133.7%	-42.1%	-13.4%	50.2%	21.9%	25.3%		58.3%	-19.1%	-5.5%	9.9%
VEHICLE EXPENSES	\$474	\$7,230	\$487	\$469	\$700	\$1,789	\$750	\$10,000	\$750	\$15,250	\$850	\$850
% CHANGE FROM PRIOR YEAR	-77.8%	1424.7%	-93.3%	-3.9%	49.4%	282.0%	-58.1%	+ ,	0.0%	1933.3%	-94.4%	0.0%
TOTAL LABORATORY EXPENSES	\$243,613	\$322,907	\$278,675	\$279.455	\$323,850	\$307,893	\$339,150	\$410,000	\$399,850	\$396,400	\$385,050	\$405,400
% CHANGE FROM PRIOR YEAR	3.2%	32.5%	-13.7%	0.3%	15.9%	10.2%	10.2%	,,	17.9%	-0.9%	-2.9%	5.3%

COMMENTS

Salaries and Wages Projected lab salaries and wages reflect future annual salary adjustments with 2 full-time analysts.

Operation and Maintenance Major expenditures include casework replacements, mold abatement and scheduled equipment replacements.

Vehicles Vehicle fuel and repair costs for the five year period, with replacement of the lab car identified for FY 22-23.

						FY 19-20								
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Projected	FY 20-21	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25		
	Actual	Actual	Actual	Actual	Actual	Actual	Budget	Actual	Budget	Appropriation	Projected	Projected	Projected	Projected
SUMMARY AND ANALYSIS EXPENSE ANALYSIS BY DEPARTMENT COLLECTION SYSTEM														
SALARIES AND WAGES % CHANGE FROM PRIOR YEAR	\$430,049 1.8%	\$443,429 3.1%	\$443,889 0.1%	\$489,291 10.2%	\$446,800 -8.7%	\$404,472 -17.3%	\$473,700 17.1%	\$540,000	\$490,300 3.5%	\$507,450 3.5%	\$525,200 3.5%	\$543,600 3.5%		
OPERATION & MAINTENANCE EXPENSES % CHANGE FROM PRIOR YEAR	\$1,272,780 15.9%	\$2,243,910 76.3%	\$2,091,278 -6.8%	\$2,173,756 3.9%	\$1,737,600 -20.1%	\$1,616,634 -25.6%	\$1,873,150 15.9%	\$2,250,000	\$2,422,800 29.3%	\$2,434,250 0.5%	\$2,437,350 0.1%	\$2,455,700 0.8%		
VEHICLE EXPENSES % CHANGE FROM PRIOR YEAR	\$16,472 -65.8%	\$18,863 14.5%	\$60,921 223.0%	\$19,862 -67.4%	\$53,000 166.8%	\$53,237 168.0%	\$77,200 45.0%	\$90,000	\$24,450 -68.3%	\$36,300 48.5%	\$363,250 900.7%	\$58,350 -83.9%		
TOTAL COLLECTION SYSTEM EXPENSES % CHANGE FROM PRIOR YEAR	\$1,719,301 9.6%	\$2,706,203 57.4%	\$2,596,088 -4.1%	\$2,682,909 3.3%	\$2,237,400 -16.6%	\$2,074,343 -22.7%	\$2,424,050 16.9%	\$2,880,000	\$2,937,550 21.2%	\$2,978,000 1.4%	\$3,325,800 11.7%	\$3,057,650 -8.1%		

COMMENTS

Salaries and Wages The plan reflects full staffing and normal planned annual increases.

Operation and Maintenance Continuing implementation of the Building Sanitary Service Repair Assistance Program is reflected. Expenses for

planned structural rehab work are at target levels after FY 20-21.

Vehicles Vehicle costs reflect fuel and normal maintenance and repairs. Future vehicle purchases are shown in Exhibit 2 under

section 14C226. FY 23-24 includes replacement of the combination vacuum/jet truck.

						FY 19-20						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Projected	FY 20-21	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
	Actual	Actual	Actual	Actual	Budget	Actual	Budget	Appropriation	Projected	Projected	Projected	Projected
SUMMARY AND ANALYSIS EXPENSE ANALYSIS BY DEPARTMENT LIFT STATIONS												
SALARIES AND WAGES % CHANGE FROM PRIOR YEAR	\$39,740 23.9%	\$37,685 -5.2%	\$81,418 116.0%	\$80,176 -1.5%	\$70,500 -12.1%	\$77,915 -2.8%	\$100,400 28.9%	\$120,000	\$103,900 3.5%	\$107,550 3.5%	\$111,350 3.5%	\$115,250 3.5%
OPERATION & MAINTENANCE EXPENSES % CHANGE FROM PRIOR YEAR	\$290,906 -11.6%	\$270,264 -7.1%	\$272,665 0.9%	\$316,677 16.1%	\$352,700 11.4%	\$311,793 -1.5%	\$302,400 -3.0%	\$360,000	\$314,550 4.0%	\$320,850 2.0%	\$342,600 6.8%	\$350,400 2.3%
TOTAL LIFT STATION EXPENSES % CHANGE FROM PRIOR YEAR	\$330,645 -8.5%	\$307,949 -6.9%	\$354,083 15.0%	\$396,853 12.1%	\$423,200 6.6%	\$389,708 -1.8%	\$402,800 3.4%	\$480,000	\$418,450 3.9%	\$428,400 2.4%	\$453,950 6.0%	\$465,650 2.6%

COMMENTS

Salaries and Wages The budget reflects salary adjustments based on the proportion of recent time spent on lift stations.

Operation and Maintenance Major planned expenses include replacement of portable pumps and internal testing of the Wroble forcemain.

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
SUMMARY AND ANALYSIS EXPENSE ANALYSIS BY DEPARTMENT INSURANCE AND EMPLOYEE BENEFITS												
TOTAL INSURANCE/EMPLOYEE BENEFITS % CHANGE FROM PRIOR YEAR	\$1,111,180 -11.8%	\$1,123,481 1.1%	\$1,160,077 3.3%	\$1,216,608 4.9%	\$1,234,250 1.5%	\$1,137,882 -6.5%	\$1,272,000 11.8%	\$1,460,000	\$1,341,050 5.4%	\$1,405,050 4.8%	\$1,471,100 4.7%	\$1,542,100 4.8%

COMMENTS

Projected expenses for insurance and employee benefits reflect the following factors:

- 1. Expecting annual net increases in liability and property premiums of 5%.
- 2. Workers compensation premiums are anticipated to increase noticeably in FY 20-21 to reflect the start of an experience modifier for noteworthy claims activity in 2018. Looking ahead, it is anticipated that the modifier will decline substantially in future years as the District had very little claims activity in 2019 and the District is making progress with its current safety initiatives.
- 3. Increases of 6% for employee group medical and dental each year.
- 4. IMRF contributions are expected to increase moderately each year over the next five years. This is due in part to a decrease in the IMRF assumed investment earnings rate from 7.50% to 7.25%. In addition, there are several long-term employee retirements anticipated in the next five years which will impact projected employer contribution rates. Positive investment returns in 2019 (estimated to be 18%) are not yet reflected and will be represented in the budget/five year plan next year.
- 5. No change is expected in the District's social security contribution rate.

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
11B115 (ADMIN-Eqpt/Eqpt Repair)					
MS Office software licensing updates			20000		
Replace data servers		30,000	0.000	30,000	
3. Update website	Φ0	#20.000	9,000	#20.000	ФО.
Annual Totals	\$0	\$30,000	\$29,000	\$30,000	\$0
11B118 (ADMIN-Building & Grounds)					
Upgrade front entrance		40,000	40,000		
2. Re-roof admin building				15,000	
3. Replace carpeting		25,000			
Annual Totals	\$0	\$65,000	\$40,000	\$15,000	\$0
11B137 (ADMIN-Dues/Subscriptions)					
National association of clean water agencies	1,200	1,200	1,200	1,250	1,250
Illinois association of wastewater agencies	4,600	4,600	4,650	4,650	4,700
Annual Totals	\$5,800	\$5,800	\$5,850	\$5,900	\$5,950
11C226 (ADMIN-Vehicle Purchases)					
Administration vehicles		18,000	18,500	19,000	
2. Sale of old vehicles	**	(4,000)	(4,000)	(4,000)	•
Annual Totals	\$0	\$14,000	\$14,500	\$15,000	\$0
12B500 (WWTC-Eqpt/Eqpt Repair)					
1.Raw sewage pumping					
a. Raw sewage pump VFD replacement	6,000				
2.Grit removal system					
a. Conveyor overhaul	20,000				
b. Grit classifier overhaul				15,000	
c. Grit pump overhaul	8,250		8,500	8,750	9,000
3.Primary treatment					
a. Scum trough replacement	10,250	10,500	10,750		
b. Sludge collector replacement	14,250	6,500	10,000	10,250	14,000
4.Secondary treatment					
a. Protective coatings - secondary clarifiers	50,000	32,500	33,500	32,500	33,500
b. Hoffman/PD blower overhaul				24,500	25,000
c. Aeration tank influent gate actuator					8,500
d. DO probe replacement	40.500		40.000	15,000	40.000
e. Railing, decking and concrete repairs	42,500	27,500	13,000		40,000
f. RAS pump overhaul	7,250	6,500	7,500	7,750	
g. RAS system VFDs	15,000				
5. Intermediate clarifiers			20,000	20.050	24.050
a. Protective coatings			30,000	30,850	31,650
b. Railings	7 500	7 750	15,000	15,400	15,850
Intermediate sludge pump overhaul Sand filters	7,500	7,750			
a.Waste washwater pump overhaul	5,000	5,250			
7.Disinfection equipment	5,000	5,250			
a.Fiberglass tank inspections/repairs					35,000
b.ORP probe replacement		8,000			55,500
c.OSEC brine pump replacement - feed/transfer	8,000	11,000			
d.Bisulfite pump replacements	3,000	, 000	8,750	9,000	
e.Hypochlorite feed pump replacements			11,250	11,500	
f.Hypochlorite feed pump VFD replacements	2,250	2,350	,200	,000	
26	_,	_, ~~~			

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
8.Excess flow tanks					
a.Overhaul sludge grinder				12,000	
b.Clarifier scum trough replacement		20,000		,	
c.Overhaul sludge pumps		7,500	7,750		
d. Clarifier motor overhaul and brake replacement	15,000	.,	.,		
9.Sludge concentrators	,				
a. New mechanical thickener	500,000				
10.Sludge digestion	222,222				
a. Re-coat/repair covers		56,500			
b. Digester 3 gas wasting control upgrade	20,000	,			
c. Digester 5 gas flare repair and control uprade	30,000				
d. Replace digester 2 mixing equipment	,			150,000	
e. Digester mixing compressor overhaul	6,500		6,750	,	14,000
f. Digester 4 cleaning	•		100,000		,
11.Sludge dewatering system			•		
a. Belt press feed pump replacement			10,500	10,750	
b. Drying bed repairs		25,000	25,750	26,500	27,250
c. Cover drying beds	665,950	,	,	-,	,
12.Biosolids aging and disposal	222,222				
a.Articulated wheel loader replacement			65,000		
b. Auger replacements	30,000		,		
c. Dump truck - 12 yd, replacement	•			100,000	
d.Trommel screen replacement		175,000		•	
e. Curtiss lagoon drain system repairs	15,000	15,000			
f. Repave South Sludge Drying Pad	70,000	•			
g. Composting pilot	78,000				
h. Composting - permanent installation		210,000			
13.Maintenance/utilities					
a. Replace portable pump				9,000	
b. Main switchgear maintenance	600		300		675
c. CHP replacement	600,000				
d. CHP Engine overhaul		30,000	62,000	32,000	60,000
e. CHP Generator re-build	17,500	18,000	18,500	38,000	19,500
g. Emergency generator control panel replacement				100,000	
h. SCADA PLC Upgrades	40,000	41,250	42,500	43,750	45,000
i. Yard piping repairs	45,000	46,350	47,750	49,200	50,700
Annual Totals	\$2,329,800	\$762,450	\$535,050	\$751,700	\$429,625
12B800 (WWTC-Building & Grounds)					
1. Roof repairs	25,000	23,000	25,000	18,000	20,000
2. Road / sidewalk repair	45,000	15,000	25,000	15,000	25,000
3. Window / door replacement	23,250	19,500	22,750	21,250	21,000
4. HVAC repairs	10,500	7,500	3,000		
5. Outside stairs, railings, gratings, and fencing	16,500				15,000
6. Tuckpointing	40,000	40,000	40,000	40,000	40,000
7. Interior painting	35,000	30,000	30,000	30,000	35,000
8. Tree clearing	7,500				
Annual Totals	\$202,750	\$135,000	\$145,750	\$124,250	\$156,000

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
12B124 (WWTC-Contract Services) 1.DRSCW membership/stream restoration Annual Totals	209,800 \$209,800	216,100 \$216,100	222,600 \$222,600	24,950 \$24,950	25,700 \$25,700
,	4 _00,000	Ψ= . σ, . σ σ	4 ,000	Ψ= .,σσσ	Ψ=0,. σσ
12B130 (WWTC-NPDES Permit Fees) 1.Annual permit fees Annual Totals	53,000 \$53,000	53,000 \$53,000	53,000 \$53,000	53,000 \$53,000	53,000 \$53,000
12C226 (WWTC-Vehicle Purchases) 1. Operations supervisor pickup 2. Maintenance supervisor pickup 3. Electric cart	15,000	26,000 26,000 15,500	16,000		28,000 28,000
OPS/Maintenance/Electrical trucks Lift station pickup	,,,,,	7, 2, 2	40,000	35,000	30,000
6. Sale of old vehicles Annual Totals	(5,000) \$10,000	(7,000) \$60,500	(15,000) \$41,000	(9,000) \$26,000	(15,000) \$71,000
13B115 (LAB-Eqpt/Eqpt Repair) 1. Casework/mold abatement 2. Auto-kampler replacement		50,000 9,500	45.000	6,000	
Autoclave Incubators	5,000		15,000 10,000	5,000	
5. Rotovapor6. Autotitrator7. Spectrophotometer				10,000	5,000 10,000
8. pH/Mult-function Meter 9. TSS Drying Oven				12,222	5,000 4,000
Annual Totals	\$5,000	\$59,500	\$25,000	\$21,000	\$24,000
13C226 (LAB-Vehicle Purchase) 1. Lab car 2. Lab van			18,500		
3. Sale of old vehicle			(4,000)		
Annual Totals	\$0	\$0	\$14,500	\$0	\$0
14B115 (SEWER SYSTEM-Eqpt/Eqpt Repair) 1.Flow meter replacement			9,000	9,250	9,550
Annual Totals	\$0	\$0	\$9,000	\$9,250	\$9,550
14B124 (SEWER SYSTEM-Contract Services) 1.Contract Televising	100,000	100,000	100,000	100,000	100,000
Annual Totals	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
14B900 (SEWER SYSTEM-System Repairs) 1.Structural/O&M					
a.Main sewers	75,000	75,000	75,000	75,000	75,000
b.Manholes c. Building sanitary services	25,000 550,000	25,000 550,000	25,000 550,000	25,000 550,000	25,000 550,000
2.Sewer replacements and rehabilitation	330,000	330,000	330,000	330,000	330,000
a. Sewer rehab/replacement	575,000	1,100,000	1,100,000	1,100,000	1,100,000
3. I/I Program		100,000	100,000	100,000	100,000
4. Outfall pipe rehabilitation and repair	225,000	150,000	150,000	150,000	150,000
IEPA ARRA loan repayment Annual Totals	181,600 \$1,631,600	181,600 \$2,181,600	181,600 \$2,181,600	181,600 \$2,181,600	181,600 \$2,181,600
			•		

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
14C226 (SEWER SYSTEM-Vehicle Purchases) 1. Inspection/technician vans/trucks	53,000			30,000	20,000
Supervisor pickup Combination vacuum/jet truck				375,000	28,000
Sale of old vehicles	(8,500)	(10,000)		(80,000)	(10,000)
Annual Totals	\$44,500	(\$10,000)	\$0	\$325,000	\$18,000
15B500 (LIFT STATIONS-Eqpt/Eqpt Repair)					
1.Butterfield lift station					
a. Pump overhaul				3,600	3,700
2.Centex lift station	0.050	0.050			
a. Pump overhaul	2,850	2,950			
College lift station a. Pump overhaul		15,000		16,000	
b. Air relief valves	10,000	15,000		10,000	
A. Earlston lift station	10,000				
a. Replace pump					25,000
5.Hobson lift station					_0,000
a. Pump overhaul	9,750			10,500	10,750
6.Northwest	,			-,	2,
a. Pump overhaul	3,500				
7.Wroble lift station					
a. Pump overhaul		5,000	5,150		
b. Forcemain internal investigation			50,000		
c. VFD replacement	6,500				
8. General maintenance					
a. Portable pump replacements		8,500		25,000	17,500
Annual Totals	\$32,600	\$31,450	\$55,150	\$55,100	\$56,950
15B800 (LIFT STATIONS-Building & Grounds)					
Northwest access road improvements	25,000				
2. Cathodic protection testing	2,000			2,100	
3. Painting		7,500	15,000	17,500	20,750
Earlston biofilter replacement		15,000			
5. Hobson elevator repair/rehabilitation		20,000			
Wroble fence upgrade	5,000				
Annual Totals	\$32,000	\$42,500	\$15,000	\$19,600	\$20,750
IMPROVEMENT FUND					
1. Future special assessments		200,000	200,000	200,000	200,000
IEPA loan repayment	93,200	93,200	93,200	93,200	93,200
3. Renovate Centex LS	50,000	950,000			
Annual Totals	\$143,200	\$1,243,200	\$293,200	\$293,200	\$293,200
CONSTRUCTION FUND					
IEPA loan repayment	28,900	28,900	28,900	28,900	28,900
2. Chemical feed system - phosphorus removal			121,000	605,000	484,000
Annual Totals	\$28,900	\$28,900	\$28,900	\$28,900	\$28,900
GRAND TOTALS	\$4,828,950	\$5,019,000	\$3,809,100	\$4,079,450	\$3,474,225

GENERAL CORPORATE FUND REVENUES

Summary

General corporate fund revenues are detailed on the last page of Exhibit 1. Actual revenues for the last five years and budgeted revenues for the next five years are presented in this exhibit. Revenues are adequate to fund the expenditure levels recommended in this plan. The fund balance is held near 25% of annual expenses, with revenues projected to outpace expenditures enough to sustain the fund balance at the target of 25% of annual expenses by the end of the five year plan.

Analysis by Revenue Type

The District's annual residential charge for wastewater collection and treatment includes user charges, the monthly service charge and the real estate tax levy for sewer rehabilitation, as detailed in Exhibit 3.

User Receipts

This plan reflects an increase in the user rate from \$1.70 to \$1.80 per 1000 gallons of metered water consumption. User rate increases of \$0.15 are anticipated in FY 2021-22, FY 2022-23 and FY 2023-24 and an increase of \$0.25 is anticipated in FY 2024-25. User receipts during FY 2019-20 are projected at \$3,125,540 based upon a rate of \$1.70 per 1000 gallons, a billable flow of 5.221 MGD and late charges and delinquent account fees of 1.25%. This estimate of billable flow compares with recent experience as indicated below:

		Amount of
	Net Billable	Summer Usage
Fiscal Year	Flow (MGD)	<u>Adjustments</u>
1998-99	6.535	103,061
1999-00	6.666	129,980
2000-01	6.606	86,980
2001-02	6.561	106,306
2002-03	6.661	135,641
2003-04	6.601	83,400
2004-05	6.333	96,616
2005-06	6.645	296,891
2006-07	6.236	125,215
2007-08	6.223	183,910
2008-09	5.893	112,621
2009-10	5.913	110,369
2010-11	5.753	112,363
2011-12	5.633	107,538
2012-13	5.768	251,934
2013-14	5.537	109,116
2014-15	5.242	60,919
2015-16	5.257	68,643
2016-17	5.243	82,814
2017-18	5.291	139,711
2018-19	5.121	94,995
2019-20	5.221*	76,759
*projected for final	3 months	

^{*}projected for final 3 months

FY 2017-18 had a dry summer, compared to recent years, temporarily reversing the recent downward trend of billable flow. FY 2020-21 projections of user receipts are based on a billable flow of 5.221 MGD, which represents a billable flow equal to the FY 2019-20 levels. Water supply utilities' efforts at reducing water consumption are expected to continue to result in future reductions in billable flow. After FY 2020-21, this plan reflects a 2.0% per year reduction in billable flow consistent with target reductions established by water supply utilities, corroborated by historic trends.

Surcharges

Surcharges for discharges in excess of normal domestic waste strengths (200 mg/l BOD and 250 mg/l SS) are proposed to increase by ten to fifteen percent in both FY 2020-21 and FY 2021-22. This increase will bring the per pound cost of treating BOD and SS closer to the per pound costs that non-surcharge customers pay. The plan includes another surcharge increase in FY 2024-25 to fairly spread out the anticipated expense of phosphorus reducing chemicals across all customers.

Monthly Service Fees

The plan reflects a monthly fee of \$17.00 per month through FY 2024-25. The number of customers is not expected to change over the 5 year period.

Plan Review Fees

Plan review fees are assessed based upon the estimated construction cost of proposed sanitary sewer extensions. These fees are expected to increase over the next few years.

Construction Inspection Fees

Construction inspection fees represent the cost of inspections by District personnel of sanitary sewer extensions. These fees are not expected to change over the next five years.

Permit Inspection Fees

The cost of inspections by District personnel of service connections and new building construction is recovered from permit inspection fees. The number of inspections is expected to remain constant as construction activity continues at current levels.

Interest

Interest is estimated based on the average fund balance each year and an interest rate of roughly 1.5%.

Sampling and Monitoring Charges

Sampling and monitoring charges are assessed to all users subject to surcharge or pretreatment to recover the costs to sample and analyze wastewater from these users and are projected to increase as the cost to provide these services increases.

Real Estate Taxes

The real estate tax levy is included in the general corporate fund and is utilized for operation, maintenance and repair of sewerage facilities. It is proposed that these levies be increased by 5% each year. The amount of future levies is limited in accordance with the tax cap limitation, reflected in budgeted increases of 2.9% each year over the 5 year planning period.

<u>Television Inspection Fees</u>

Television inspection fees are assessed to developers for the costs of televising new sewers prior to the expiration of the one-year warranty period.

Replacement Taxes

Personal property replacement taxes received from the state, estimated at \$75,000 per year for FY 2020-21 and projected to continue at this level, will be used to fund sewer system repairs.

Lease Payments

During FY 1996-97, the District signed a lease with the Village of Downers Grove for District property located on Walnut Avenue, adjacent to the Village's public works facility. The lease agreement provides for lease payments by the Village to the District.

<u>Miscellaneous</u>

Miscellaneous revenues include revenues from levying and collecting special assessments, fees to administer recapture agreements, and costs received for other District services. These revenues are estimated at \$10,000 each year.

Grease Waste

Hauled restaurant grease trap waste continues to be accepted for treatment at the WWTC. Haulers are charged a fee to discharge this waste. The capacity of grease receiving and handling facilities was increased during FY 2017-18. The expansion of grease receiving facilities allows for additional future deliveries and associated revenue.

Renewable Energy Credits

Renewable energy credits can be sold as they are generated by the District's eligible CHP equipment. The budget reflects current market pricing and production.

GENERAL CORPORATE FUND FUND BALANCE

Summary

The projected fund balance of the consolidated general corporate and replacement fund as of 4/30/21 is \$2,746,288. This fund balance remains stable in future years to meet staff's recommendation that the fund balance be maintained at 25% of total annual expenditures. Projected fund balance levels are presented on the last page of Exhibit 1.

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budgeted	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
USER CHARGES											
RATE PER 1000 GALS	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$1.70	\$1.80	\$1.95	\$2.10	\$2.25	\$2.50
AVERAGE ANNUAL USAGE	96,000	96,000	96,000	96,000	96,000	96,000	96,000	96,000	96,000	96,000	96,000
ANNUAL USER CHARGES	\$158.40	\$158.40	\$158.40	\$158.40	\$158.40	\$163.20	\$172.80	\$187.20	\$201.60	\$216.00	\$240.00
PROPERTY TAXES											
YEAR TAXES PAID	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
MEDIAN ASSESSED VALUE	\$83,920	\$84,020	\$88,150	\$88,150	\$93,940	\$95,680	\$101,229	\$107,101	\$113,313	\$119,885	\$126,838
DISTRICT TAX RATE	0.0436	0.0448	0.0434	0.0413	0.0404	0.0398	0.0394	0.0390	0.0386	0.0382	0.0378
ANNUAL TAXES PAID	\$36.59	\$37.64	\$38.26	\$36.41	\$37.95	\$38.08	\$39.88	\$41.77	\$43.74	\$45.80	\$47.94
MONTHLY SERVICE FEE											
MONTHLY SERVICE FEE	\$11.00	\$12.00	\$13.50	\$15.00	\$16.00	\$17.00	\$17.00	\$17.00	\$17.00	\$17.00	\$17.00
ANNUAL SERVICE FEE	\$132.00	\$144.00	\$162.00	\$180.00	\$192.00	\$204.00	\$204.00	\$204.00	\$204.00	\$204.00	\$204.00
TOTAL ANNUAL COST	\$326.99	\$340.04	\$358.66	\$374.81	\$388.35	\$405.28	\$416.68	\$432.97	\$449.34	\$465.80	\$491.94
TOTAL MONTHLY COST	\$27.25	\$28.34	\$29.89	\$31.23	\$32.36	\$33.77	\$34.72	\$36.08	\$37.44	\$38.82	\$41.00
ANNUAL PERCENT CHANGE	3.4%	4.0%	5.5%	4.5%	3.6%	4.4%	2.8%	3.9%	3.8%	3.7%	5.6%
TEN YEAR AVERAGE ANNUAL PERCENT CHANGE	3.4%	3.8%	3.6%	3.3%	3.3%	3.1%	3.2%	3.4%	3.7%	3.9%	4.1%

DOWNERS GROVE SANITARY DISTRICT FIVE YEAR FINANCIAL PLAN CONSTRUCTION FUND FISCAL YEARS 2020-21 TO 2024-25

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
REVENUES											
Sewer permit fees Interest Repayments - equipment replacement Plant switchgear	\$498,015 \$8,655	\$532,902 \$3,007 \$68,250	\$296,607 \$324 \$194,588	\$189,349 \$1,559	\$250,000 \$10,000	\$184,700 \$7,700	\$250,000 \$16,450	\$250,000 \$20,050	\$250,000 \$23,700	\$250,000 \$27,400	\$250,000 \$31,150
Digester 4 mixing replacement State of Illinois Grant ICECF Grant	\$200,000 \$174,000 \$51,000	\$110,252 \$49,000	\$197,876		\$500,000	\$500,000					
Total Revenues	\$931,670	\$763,411	\$689,395	\$190,908	\$760,000	\$692,400	\$266,450	\$270,050	\$273,700	\$277,400	\$281,150
EXPENSES											
IEPA loan repayment Digester gas utilization equpment Grit blower efficency upgrade Grease receiving expansion	\$28,807 \$99,512	\$28,807 \$1,243,647 \$34,036 \$8,786	\$28,807 \$378,775 \$594,682	\$28,807	\$28,900	\$28,900	\$28,900	\$28,900	\$28,900	\$28,900	\$28,900
Digester 4 mixing replacement Digester 1 mixing and gas piping upgrades	\$309,821	\$301,022	\$400 1,002								
Grease waste delivery ramp Turboblower purchase and install Chemical feed system - phosphorus removal	\$101,878 \$157,380	\$9,573							\$121,000	\$605,000	\$484,000
Total Expenses	\$697,397	\$1,625,871	\$1,002,265	\$28,807	\$28,900	\$28,900	\$28,900	\$28,900	\$149,900	\$633,900	\$512,900
Excess (Deficiency) of Revenues over Expenses	\$234,272	(\$862,460)	(\$312,870)	\$162,100	\$731,100	\$663,500	\$237,550	\$241,150	\$123,800	(\$356,500)	(\$231,750)
Ending Fund Balance	\$1,328,600	\$466,140	\$153,270	\$315,371	\$1,046,471	\$978,871	\$1,216,421	\$1,457,571	\$1,581,371	\$1,224,871	\$993,121

CONSTRUCTION FUND

Summary

The construction fund is intended to provide funds for improvements and expansions to the WWTC. The primary source of revenue to the construction fund, sewer permit fees, is directly related to development activity within the District. As development proceeds, sewer permit fees are generated and accumulated to construct WWTC facilities. As of December 31, 2019, there are 12,901 population equivalents of hydraulic capacity remaining on the WWTC. It is not anticipated that the next incremental expansion in capacity, from 11.0 MGD to 12.0 MGD, will be needed during the next five years. Permit fees are projected to continue at historic levels over the 5 year plan. The plan for the construction fund envisions the continued accumulation of funds for future improvements, expansions or property acquisition adjacent to the WWTC if such property becomes available for purchase.

Revenues

- 1. Sewer permit fees These fees are projected to remain at \$250,000 per year going forward. Development activity is not expected to decline during the 5 year period.
- 2. Interest Interest is estimated based on the average fund balance each year and an interest rate of 1.5%.
- 3. Grant Funds for Plant Upgrades The majority of the \$500,000 grant, which covers a portion of the cost of the CHP biogas utilization project, has been received. It is anticipated that the rest of the grant will be received in FY 2019-20 as the associated net zero public education center will be complete.

Expenses

- 1. IEPA loan repayment Repayments to IEPA associated with ARRA-funded treatment plant projects being repaid from this fund are expected to be \$28,900 per year until the loan principal is fully repaid in 2031.
- 2. Chemical feed system for the addition of phosphorus reducing chemicals is expected to be designed in FY 2022-23 and constructed in FY 2023-24 and FY 2024-25.

Fund Balance

The balance in the construction fund is projected to be \$993,121 by April 30, 2025, as depicted in Exhibit 4. This balance will be reserved for future improvements and expansions to the WWTC.

DOWNERS GROVE SANITARY DISTRICT FIVE YEAR FINANCIAL PLAN IMPROVEMENT FUND FISCAL YEARS 2020-21 TO 2024-25

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
REVENUES											
Trunk and lateral sewer service charges Recapture	\$263,161	\$185,010 \$33,987	\$115,496	\$47,857	\$90,000	\$64,806	\$90,000	\$90,000	\$90,000	\$90,000	\$90,000
Interest Repayments	7,136	9,929	14,183	21,542	17,150	22,913	16,900	9,450	2,250	2,100	2,000
Special assessment vouchers Sewer replacements		300,000	317,200					200,000	200,000	200,000	200,000
Total Revenues	\$270,297	\$528,925	\$446,879	\$69,399	\$107,150	\$87,719	\$106,900	\$299,450	\$292,250	\$292,100	\$292,000
EXPENSES											
Unsewered areas Planning Special assessments Lift station improvements	\$1,994	\$4,055	\$3,163	\$6,174	\$7,500	\$7,500	\$7,500	\$7,500 200,000	\$7,500 200,000	\$7,500 200,000	\$7,500 200,000
Liberty Park upgrades Centex upgrades		10,099	894,366	150,658			50,000	950,000			
IEPA Loan Repayment Total Expenses	93,191 \$95,185	93,191 \$107,345	93,191 \$990,720	93,191 \$250,024	93,200 \$100,700	93,191 \$100,691	93,200 \$150,700	93,200 \$1,250,700	93,200 \$300,700	93,200 \$300,700	93,200 \$300,700
Excess (Deficiency) of Revenues over Expenses	\$175,112	\$421,579	(\$543,841)	(\$180,625)	\$6,450	(\$12,972)	(\$43,800)	(\$951,250)	(\$8,450)	(\$8,600)	(\$8,700)
Ending Fund Balance	\$1,464,515	\$1,886,095	\$1,342,254	\$1,161,629	\$1,168,079	\$1,148,657	\$1,104,857	\$153,607	\$145,157	\$136,557	\$127,857

IMPROVEMENT FUND

Summary

The improvement fund is intended to be utilized for sewer system and pump station expansions and improvements. The primary source of revenue to the improvement fund, trunk and lateral sewer service charges, is directly related to development activity within the District. This source of revenue for this fund is projected to continue at recent levels over the 5 year plan. As development proceeds, charges are generated and accumulated to construct additional system capacity and improvements, as needed. The unsewered area plan does not currently identify any specific capacity needs to serve remaining unsewered areas in the facility planning area. I/I removal generally provides the most cost-effective way of creating system capacity where needed. The plan anticipates an upgrade of the Centex Lift Station in FY 2020-21 and FY 2021-22. The plan for the improvement fund envisions the gradual accumulation of funds for future improvements or expansions.

Revenues

- 1. Trunk and lateral sewer service charges These charges are projected at \$90,000 annually for the five year period.
- 2. Interest Interest is estimated based on the average fund balance each year and an interest rate 1.5%.
- Annual repayments from special assessments These amounts represent reimbursements from special assessment projects for costs advanced by the improvement fund.

Expenses

- 1. Planning for unsewered areas The plan depicting the locations of proposed sanitary sewers in currently unsewered areas within the District facility planning area was prepared in FY 2006-07 and is updated annually.
- 2. Special assessments in unsewered areas The improvement fund advances funds to approved special assessment projects and is then reimbursed by the issuance of vouchers for each special assessment project. Exhibit 5 anticipates limited potential future Special Assessment project activity starting in FY 2021-22.
- 3. IEPA Loan Repayment Repayments to IEPA associated with ARRA-funded collection system projects being repaid from this fund are expected to be \$93,200 per year until the loan principal is fully repaid in 2031.
- 4. Centex Lift Station Improvements The budget includes anticipated costs associated with upgrading the Centex Lift Station as it reaches the end of its useful service life, beginning in FY 2020-21.

Fund Balance

The balance in the improvement fund is projected to be \$127,857 on April 30, 2025. Future expenses for sewer extensions into unsewered areas will be determined based upon the maintenance of an adequate balance in this fund.

DOWNERS GROVE SANITARY DISTRICT FIVE YEAR FINANCIAL PLAN PUBLIC BENEFIT FUND FISCAL YEARS 2020-21 TO 2024-25 **EXHIBIT** 6

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
REVENUES											
Interest Total Revenues	\$66 \$66	\$260 \$260	\$349 \$349	\$542 \$542	\$550 \$550	\$910 \$910	\$550 \$550	\$550 \$550	\$600 \$600	\$600 \$600	\$600 \$600
EXPENSES											
Sewer deepening Total Expenses	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Excess (Deficiency) of Revenues over Expenses	\$66	\$260	\$349	\$542	\$550	\$910	\$550	\$550	\$600	\$600	\$600
Ending Fund Balance	\$35,317	\$35,577	\$35,926	\$36,468	\$37,018	\$37,378	\$37,928	\$38,478	\$39,078	\$39,678	\$40,278

PUBLIC BENEFIT FUND

Summary

The public benefit fund may only be used to pay for the portion of sewer extensions or sewer special assessments which the Board of Trustees deems to be of benefit to an area larger than the immediate service area. The projected balance in this fund as of April 30, 2020 is \$37,378.

Revenues

Interest is estimated at 1.5% on the average fund balance.

Expenses

There are no planned expenses over the duration of the five year plan.

Fund Balance

The remaining fund balance at the end of FY 2024-25, projected to be \$40,278, will be available to fund improvements with public benefit.

When this fund is depleted, the tax cap limitation would prevent the District from adopting a tax levy for public benefit without decreasing the general corporate levy for sewer system repairs by an identical amount. As funding of any future public benefit expenditures may be made from the improvement or general corporate funds, it would not be necessary to continue the public benefit fund.

PROJECTS NOT INCLUDED IN PLAN

There are several major projects which have not been included in this financial plan. As these projects may be incorporated into the plan in a future update, it is useful to list them for reference.

I. WWTC

A. Improvements/Enhancements

- 1. Capacity expansion from 11.0 MGD to 12.0 MGD and from 12.0 MGD to 15.0 MGD, as needed.
- 2. Additional sludge drying beds.
- 3. Increase paved area for sludge treatment and storage.
- 4. Nitrogen removal processes.
- 5. Improved odor control facilities.
- 6. Secondary clarifier feed flow splitter.
- 7. Aeration tank feed flow splitter.

B. Replacements

- 1. Influent bar screens.
- 2. Raw sewage pumps nos. 1 5.
- 3. Excess clarifier sludge scraping equipment.

II. SEWER SYSTEM

- A. Permanent flow metering network.
- B. Purchase of sewer grouting equipment.

III. LIFT STATIONS

- A. Install odor control equipment at the Butterfield, Centex, College, Liberty Park, Northwest, Venard and Wroble lift stations.
- B. Major upgrades to Butterfield and College lift stations
- C. Second NWLS forcemain crossing under I-355.

IV. ADMINISTRATION

A. Relocate office to WWTC site.

DOWNERS GROVE SANITARY DISTRICT APPROPRIATION ORDINANCE/BUDGET AVAILABLE FOR PUBLIC REVIEW

The Appropriation Ordinance/Budget of the Downers Grove Sanitary District for the fiscal year May 1, 2020 to April 30, 2021 will be considered for adoption at a regular meeting of the Board of Trustees on March 17, 2020 at 7:00 p.m. at the District office. A copy of the proposed Appropriation Ordinance/Budget will be available for public inspection at the District office beginning February 12, 2020. The District office is located at 2710 Curtiss Street, Downers Grove. Office hours are 8:00 a.m. to 4:30 p.m., Monday through Friday. All Board of Trustees meetings are open to the public.

DOWNERS GROVE SANITARY DISTRICT BUDGET CALENDAR FOR PREPARATION OF FISCAL YEAR 2020-21 BUDGET

<u>TASK</u>	COMPLETION DATE	<u>PERSON</u> <u>RESPONSIBLE</u>
1) Prepare and distribute budget calendar.	Complete	WCC
2) Distribute last year's performance evaluation forms.	Complete	WCC
3) Submit revisions (if any) to employee evaluation forms.	Complete	SUPERVISORS
4) Submit completed preliminary budget requests.	Complete	SUPERVISORS
5) Distribute new employee evaluation forms.	Complete	WCC
6) Completion of DGSD survey re wages and benefits.	Complete	NJM/ARU
7) Submit completed employee evaluations and wage recommendations.	Complete	SUPERVISORS
8) Prepare proposed salary schedule for submittal to Board (for increases effective March 23, 2020 and April 1, 2020).	Complete	NJM/ARU
9) Review salary schedule.	Complete	BOARD
10) Review and adjust updated budget requests.	Complete	SUPERVISORS/NJM
11) Complete proposed five year financial plan and appropriation ordinance for submittal to Board.	02/07/20	NJM/ARU
12) Initial review of budget documents and authorize publication of availability of appropriation ordinance for public review.	02/11/20	BOARD & STAFF
13) Publish notice that appropriation ordinance is available for public review.	02/12/20	WCC
14) Prepare ordinance revisions concerning fees and charges and submit to Board.	03/13/20	NJM/ARU
15) Second review of budget documents at regular meeting.	03/17/20	BOARD & STAFF
16) Approve five year financial plan and adopt appropriation ordinance and ordinance revisions concerning fees and charges.	03/17/20	BOARD
17) Publish appropriation ordinance and user rate ordinance (if applicable).	03/19/20	WCC
18) File appropriation ordinance and budget with County Clerk and County Chairman's Office.	04/17/20	WCC
19) Prepare levy ordinance and submit to Board.	06/12/20	ARU
20) Adopt levy ordinance.	06/16/20	BOARD
21) File levy ordinance with County Clerk and County Chairman's Office.	06/24/20	WCC

APPROPRIATION ORDINANCE

AN ORDINANCE MAKING APPROPRIATIONS FOR THE CORPORATE PURPOSES OF THE DOWNERS GROVE SANITARY DISTRICT FOR THE FISCAL YEAR COMMENCING ON THE FIRST DAY OF MAY, A.D. 2020 AND ENDING APRIL THIRTIETH, A.D. 2021.

BE IT ORDAINED by the Downers Grove Sanitary District, a body politic and corporate of the County of DuPage and State of Illinois:

SECTION 1. That the sums hereinafter set forth, or as much thereof as may be authorized by law, be and the same are hereby appropriated for the corporate purposes of the Downers Grove Sanitary District as hereinafter specified, for the fiscal year commencing on the First Day of May, A.D. 2020 and ending on the Thirtieth Day of April, A.D. 2021.

I.	ADMINISTRATION	
	A. Salary and Wages	\$ 1,020,000
	B. Office Oper & Maint Expenses	540,000
	C. Vehicles Oper, Maint & Purchase	10,000
	•	\$1,570,000
II.	PLANT	
	A. Salary and Wages	\$ 1,590,000
	B. Operation & Maintenance Expenses	4,460,000
	C. Vehicles Oper, Maint & Purchase	50,000
	-	\$6,110,000
III.	LABORATORY SERVICES	
	A. Salary and Wages	\$ 290,000
	B. Operation & Maintenance Expenses	110,000
	C. Vehicles Oper, Maint & Purchase	10,000
	•	\$ 410,000
IV.	SYSTEM	
	A. Salary and Wages	\$ 540,000
	B. Operation & Maintenance Expenses	2,250,000
	C. Vehicles Oper, Maint & Purchase	90,000
	•	\$2,880,000
V.	LIFT STATIONS	
	A. Salary and Wages	\$ 120,000
	B. Operation & Maintenance Expenses	360,000
		\$ 480,000
VI.	INSURANCE AND EMPLOYEE BENEFITS	\$1,460,000
TOT	AL OPERATION AND MAINTENANCE	\$12,910,000

CAPITAL IMPROVEMENTS

VII. TREATMENT CENTER/LABORATORY

A. Renovations to Buildings & Systems \$\frac{\$50,000}{\$50,000}\$

VIII. COLLECTION SYSTEM/LIFT STATIONS

A. Construction/Upgrading – Sewer system, pump station improvements, unsewered area plan revisions

\$ 200,000 \$ 200,000

TOTAL CAPITAL IMPROVEMENTS \$ 250,000

GRAND TOTAL \$13,160,000

SECTION 2. That the sums hereinafter set forth are estimated receipts and expenditures for the Downers Grove Sanitary District for the fiscal year commencing on the First Day of May, A.D. 2020 and ending on the Thirtieth Day of April, A.D. 2021.

CASH FLOW FISCAL YEAR 2020-2021

SEE ATTACHMENT A, attached hereto and made a part of this Ordinance.

RECAPITULATION

- 1. Total Amount Appropriated......\$13,160,000
- Amount of Said Appropriation to be paid from sources other than real estate taxes (tap-in permits, user fees, trunk sewer service fees, Federal and State grants and loans, etc.).....\$11,905,500
- 3. Amount of Said Appropriation to be paid from real estate taxes......\$ 1,254,500

SECTION 3. That the total sum of Thirteen Million One Hundred Sixty Thousand Dollars (\$13,160,000) is hereby appropriated. It is furthermore provided that all unexpended balances of any item or items of any general appropriation made by this ordinance may be expended in making up any insufficiency in any item or items for the same general purpose or in a like appropriation made by this ordinance.

SECTION 4. This ordinance shall be in full force and effect from and after its passage, approval, and publication as provided by law.

	Passed this 17 th day of March, A.D. 2020
	Recording Vote:
	Ayes:
	Nays:
	Approved this 17th day of March, A.D. 2020
	BY:
	President, Board of Trustees of Downers Grove Sanitary District, DuPage County, Illinois
ATTEST:	
Clerk	
Cicik	
Recorded this 17	7 th day of March, A.D. 2020

ATTACHMENT A

CASH FLOW FISCAL YEAR 2020-2021

	General <u>Corporate</u>	<u>Improvement</u>	Construction	Public Benefit
Projected Cash Balance on 5/1/20	\$ 4,018,938	\$ 1,148,657	\$ 978,871	\$ 37,378
Receipts:				
Const and Televising Insp Fees	650			
User Fees	7,571,800			
Interest	38,000	16,900	16,450	550
Plan Review Fees	2,000			
Surcharges	375,000			
Permit Insp Fees	22,000			
Sampling Charges	72,500			
Tap-in Fees			250,000	
Trunk and Lateral Sewer Charges		90,000		
Replacement Taxes	75,000			
Real Estate Taxes	1,254,500			
Grease Waste	200,000			
Miscellaneous	47,850			
Total Receipts	9,659,300	106,900	266,450	550
Subtotal	\$ 13,678,238	\$ 1,255,557	\$ 1,245,321	\$ 37,928
Disbursements:				
O & M Budget	12,910,000			
Capital Improvements Budget		200,000	50,000	0
Total Disbursements	12,910,000	200,000	50,000	0
Projected Cash Balance on 4/30/21	<u>\$ 768,238</u>	<u>\$ 1,055,557</u>	\$ 1,195,321	\$ 37,928

STATEMENT OF ESTIMATED REVENUES

I, William Clay Campbell, Treasurer of the Downers Grove Sanitary District, do hereby state that the above document entitled "Cash Flow, Fiscal Year 2020-2021" indicates an estimate of revenues by source anticipated to be received in Fiscal Year 2020-2021.

DOWNERS GROVE SANITARY DISTRICT

BY:		
	Treasurer	

DOWNERS GROVE SANITARY DISTRICT <u>M E M O</u>

TO: Nicholas J. Menninga General Manager

FROM: W. Clay Campbell

Administrative Supervisor

DATE: February 7, 2020

RE: Executive Session Minutes

State statutes require that public bodies meet, at least semi-annually, to review minutes of all closed sessions. At such meeting, a determination is made and reported in open session that:

- 1. the need for confidentiality still exists as to all or part of the minutes, or
- 2. the minutes, or portions thereof, no longer require confidential treatment and are available for public inspection.

The executive session minutes were last reviewed on August 20, 2019. There are currently no executive session minutes to review for confidentiality.

In addition to the written record of closed sessions, beginning January 1, 2004, all closed sessions must be recorded. The statute allows for the verbatim record to be destroyed, without notification to or the approval of a records commission or the State Archivist under the Local Records Act, no less than 18 months after the completion of the recorded meeting, but only after:

- 1) The public body approves the destruction of a particular recording, and
- 2) The public body approves minutes of the closed meeting.

The written record for the executive session meeting held on March 20, 2018 was previously approved by the Board and made available for public inspection during its August 21, 2018 review (copy of written record attached).

Therefore, I am recommending that:

A. The verbatim record of the executive session held on March 20, 2018 be destroyed.

cc: WDVB, AES, PWC, KJR, RTJ, MJS, ARU, MGP

Attachment

EXECUTIVE SESSION MINUTES

A motion by Trustee Van Buren seconded by Trustee Coultrap was made to recess the regular meeting and convene an executive session at 8:01 p.m. under exception 2(c)1 of the Open Meetings Act to discuss the compensation and performance of specific employees of the District. The motion carried. (Votes recorded: Ayes–Van Buren, Kovacevic and Coultrap.)

Present were President Van Buren and Trustees Kovacevic and Coultrap.

The Board reviewed the compensation and performance of General Manager Menninga.

A motion by President Van Buren seconded by Trustee Coultrap was made to adjourn the executive session at 8:08 p.m. The motion carried. (Votes recorded: Ayes-Van Buren, Kovacevic and Coultrap.)

Approved: April 17, 2018

President

WA Vast

Attest.

Clerk

DOWNERS GROVE SANITARY DISTRICT

MEMO

TO: Board of Trustees

FROM: W. Clay Campbell

Administrative Supervisor

DATE: February 7, 2020

RE: Resolution of Appreciation for

Nick Menninga

Attached is a Resolution of Appreciation for Nick Menninga to recognize his over fifteen years of service to the District. This item is on the agenda for the February 11 meeting. A framed and signed original of the resolution will be presented to Nick at his retirement luncheon during the first week of March at the WWTC Maintenance Services Building.

Attachment

cc: KJR, RTJ, MJS, NJM, ARU, MGP

RESOLUTION OF APPRECIATION

WHEREAS, NICHOLAS J. MENNINGA, has served the residents of the DOWNERS GROVE SANITARY DISTRICT since 2004 and as General Manager of the District from 2007 to 2020; and

WHEREAS, the outstanding professionalism and integrity of NICHOLAS J. MENNINGA has resulted in the District being recognized by professional and peer groups year after year as a model for sanitary districts statewide; and

WHEREAS, the management and guidance of NICHOLAS J. MENNINGA as General Manager enabled the District to find cost-effective solutions to difficult issues and to implement innovative programs to provide exceptional service to the residents of the District; and

WHEREAS, NICHOLAS J. MENNINGA has exhibited an unfailing dedication to public service by his constant concern and attention to all matters important to the operations of the District during his over fifteen years of public service; and

WHEREAS, NICHOLAS J. MENNINGA has protected the public health and the environment through his service to the District and through his commitment of time and energy to the Illinois Association of Wastewater Agencies, through representation of the interests of publicly owned wastewater treatment works before the Illinois Environmental Protection Agency; and serving as the District's representative with the DuPage River Salt Creek Workgroup which serves as a model of divergent interests working together to develop projects to improve water quality locally and throughout the State; and

WHEREAS, NICHOLAS J. MENNINGA is recognized as an expert in the field of wastewater collection and treatment as evidenced by receipt of numerous awards during his long career in public service including the Outstanding Member Award in 2011 from the Illinois Association of Wastewater Agencies, the Illinois Award in 2018 from the Illinois Association of Wastewater Agencies and the Sustainability and Green Infrastructure Award in 2018 from the Central States Water Environment Association.

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

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

PASSED AND APPROVED by the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT, this 11th day of February, 2020, in honor of the over fifteen years of outstanding service by NICHOLAS J. MENNINGA to the District.

DOWNERS GROVE SANITARY DISTRICT

BY:		
	President	
BY:		
ы	Vice President	
A TOTO COT.		
ATTEST:	Clark	

DOWNERS GROVE SANITARY DISTRICT

MEMO

TO: Nicholas J. Menninga General Manager

FROM: W. Clay Campbell

Administrative Supervisor

DATE: February 7, 2020

RE: Special Assessment No. 58 Rebate

The purpose of this memo is to recommend that the District declare a rebate from Special Assessment No. 58. This Special Assessment covered 40 parcels in Arthur T. McIntosh and Company's Belmont Golf Addition, McDonald's Ogden Avenue Consolidation Subdivision, and Premier Auto Haus Consolidation Plat and was originally assessed in 2009 and revised in 2011. All assessments have now been paid in full. There is an excess of funds in the amount of \$20,099.42. State statutes provide for the declaration of a rebate under 65 ILCS 5/9-2-138 (attached). The District is allowed to keep 5 percent of the excess for the costs and expenses of declaring and making the rebate. The District share will be \$1,004.97 (\$20,099.42 x .05) and the balance of \$19,094.45 will be rebated. The necessary Resolution No. 20-01 is attached for the Board of Trustee's consideration. If you concur, this item should be placed on the agenda for the February meeting.

Attachments

Excerpt from Illinois Municipal Code regarding Special Assessment Rebates

(65 ILCS 5/9-2-138) (from Ch. 24, par. 9-2-138)

Sec. 9-2-138. If, after final settlement with the contractor for any improvement and after full payment of all vouchers or bonds except those bonds and interest coupons not presented for payment, although called and for which funds are available and reserved, within the period of time specified in Section 9-1-5, issued on account of that improvement, there is any surplus remaining in the special assessment or special tax above the specified payments and above the amount necessary for the payment of interest on those vouchers or bonds, such surplus shall be applied to reimbursing the public benefit fund for any amounts paid from such fund on account of the improvement. If, after the public benefit fund has been reimbursed, a surplus still remains, the proper authorities of the municipality shall declare at once a rebate upon each lot, block, tract, or parcel of land assessed, of its pro rata proportion of that surplus. Such rebate shall be paid to the owner of record of each such lot, block, tract, or parcel at the time of the declaration of the rebate. Should any additional funds be collected after the original rebate is declared, the municipality shall not be required to declare a supplemental rebate for 5 years from the date the original rebate is declared. The municipality may deduct for its cost and expenses for declaring and making any rebate not more than 5% of the amount declared to be rebated. The board of local improvements shall keep and exhibit publicly in its office, an index of all warrants upon which rebates are due and payable and upon proper proof, the warrants shall be repaid to the persons entitled thereto.

However, whenever any municipality having a population of 500,000 or more has appropriated or set aside a fund sufficient in amount to meet all estimated deficiencies in interest, cost of making, levying, and collecting a special assessment or special tax, and of letting and executing contracts, advertising, clerical hire, engineering and inspection, court costs and fees of commissioners in condemnation proceedings incurred in such a proceeding and has provided, in the ordinance providing for the assessment, that a certain sum not to exceed 5% of the amount of the assessment or special tax shall be applied toward the payment of the specified and other costs of making and collecting the assessment, the money collected in the fund created by this 5% so added as hereinbefore authorized shall be used to pay all deficiency in interest in the warrant, and the balance shall be used to reimburse the corporate funds for advances made from the corporate funds on account of costs of the special assessment or special tax or other expenses of the improvement for which the special assessment or special tax was levied.

(Source: Laws 1965, p. 2969.)

RESOLUTION NO. 2020-01

WHEREAS, Special Assessment Number 58 has been assessed against certain property within the DOWNERS GROVE SANITARY DISTRICT; and,

WHEREAS, Order of Confirmation and Certificate of Cost and Completion has been previously entered by the County Court of DuPage County; and,

WHEREAS, after the payment of all vouchers, bonds and other expenses there has been determined to be an excess of funds; and,

WHEREAS, the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT deem it to be in the public interest to rebate certain of these funds to the property owners affected by the aforesaid Special Assessment.

NOW, THEREFORE, BE IT RESOLVED that as of the effective date of this Resolution and the date of adoption, there shall be a rebate of Special Assessment Number 58 in the amount of \$19,094.45, as detailed on Attachment 1, attached to and made a part of this document.

The Treasurer of the DOWNERS GROVE SANITARY DISTRICT be and is hereby authorized and directed to determine the identity of the record owners of the aforesaid parcels as of the date of the adoption and declaration of this rebate along with the address of said party. Upon such determination, the Treasurer shall notify each property owner that a rebate has been declared and that these parties should be furnished with a Claim Form, which is to be submitted to the DOWNERS GROVE SANITARY DISTRICT prior to disbursement.

Upon the determination by the Treasurer of the DOWNERS GROVE SANITARY DISTRICT that the Claim Forms have been submitted by the proper parties, a rebate shall issue therefor in accordance with the regular practices and procedures of the DOWNERS GROVE SANITARY DISTRICT with relation to the passage and adoption of appropriate Claim Ordinances.

The sum of \$1,004.97 be and is hereby transferred from Special Assessment Fund No. 58 to the General Corporate Fund of the DOWNERS GROVE SANITARY DISTRICT as and for reimbursement of the costs and expenses of declaring and making this rebate. The Treasurer be and is hereby authorized to take action as is necessary to effect this transfer.

RESOLVED this 11th day of February, 2020, by the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT.

DOWNERS GROVE SANITARY DISTRICT

	BY:	
	President	
A TOTAL COM		
ATTEST:		
Clerk		

SPECIAL ASSESSMENT NO. 58 REBATE ARTHUR T. McINTOSH AND COMPANY'S BELMONT GOLF ADDITION

ATTACHMENT 1 FEBRUARY 11, 2020

> AMOUNT PAID

DIN	LOT	DI OOV		REVISED ASSESSMENT	DEDATE
PIN	LOT	BLOCK	ASSESSMENT	AFTER REBATE	REBATE
08-01-306-009	Lot 7	Block 1	\$9,762.92	9,306.12	456.80
08-01-306-010	Lot 8	Block 1	\$9,762.92	9,306.12	456.80
08-01-306-011	Lot 9	Block 1	\$9,762.92	9,306.12	456.80
			1 ,	-,	
08-01-306-012	Lot 10	Block 1	\$9,762.92	9,306.12	456.80
08-01-306-013	Lot 11	Block 1	\$9,762.92	9,306.12	456.80
08-01-305-010	Lot 1	Block 2	\$22,721.02	21,657.93	1,063.09
08-01-305-008 and 08-01-305-009 (X)	Lots 2 & 3	Block 2	\$12,795.93	12,197.22	598.71
08-01-305-007 (X)	Lot 4	Block 2	\$9,004.67	8,583.35	421.32
08-01-305-006 (X)	Lot 5	Block 2	\$9,004.67	8,583.35	421.32
Above 4 Pins Combined to New PIN for 2014: 08-01-305-035					
08-01-305-004 and 08-01-305-005	Lots 6 & 7	Block 2	\$12,795.93	12,197.22	598.71
08-01-305-003	Lot 8	Block 2	\$9,004.67	8,583.35	421.32
08-01-305-011	Lot 11	Block 2	\$10,092.77	9,620.54	472.23
08-01-305-012	Lot 12	Block 2	\$9,762.92	9,306.12	456.80
08-01-305-013	Lot 13	Block 2	\$9,762.92	9,306.12	456.80
8-01-305-014	Lot 14	Block 2	\$9,762.92	9,306.12	456.80
8-01-305-015	Lot 15	Block 2	\$9,762.92	9,306.12	456.80
8-01-305-016	Lot 16	Block 2	\$9,762.92	9,306.12	456.80
08-01-305-017	Lot 17	Block 2	\$9,762.92	9,306.12	456.80
00.04.205.040	Lot 18	Diagk 2	¢0.700.00	0.200.40	450.00
08-01-305-018 08-01-305-019	Lot 19	Block 2 Block 2	\$9,762.92 \$9,762.92	9,306.12 9,306.12	456.80 456.80
08-01-305-019 08-01-305-020	Lot 20	Block 2	\$9,762.92	9,306.12	456.80
08-01-305-021	Lot 21	Block 2	\$8,883.55	8,467.90	415.65
08-01-305-026	Lot 29	Block 2	\$9,762.92	9,306.12	456.80
08-01-305-025	Lot 30	Block 2	\$9,762.92	9,306.12	456.80
08-01-305-024	Lot 31	Block 2	\$9,762.92	9,306.12	456.80
08-01-305-023	Lot 32	Block 2	\$9,762.92	9,306.12	456.80
	1	DI 1.0	40.700.00	0.000.40	450.00
08-01-305-022	Lot 33	Block 2	\$9,762.92 \$9,762.92	9,306.12 9,306.12	456.80 456.80
08-01-304-012 08-01-304-013	Lot 6 Lot 7	Block 3 Block 3	\$9,762.92	9,306.12	456.80
6-01-304-013	LOI /	DIOCK 3	\$9,762.92	9,300.12	450.00
8-01-304-014	Lot 8	Block 3	\$9,762.92	9,306.12	456.80
08-01-304-015	Lot 9	Block 3	\$9,762.92	9,306.12	456.80
08-01-304-016	Lot 10	Block 3	\$9,762.92	9,306.12	456.80
08-01-304-017	Lot 11	Block 3	\$9,762.92	9,306.12	456.80
08-01-304-017 08-01-304-018	Lot 12	Block 3	\$9,762.92	9,306.12	456.80
08-01-304-018 08-01-304-019	Lot 13	Block 3	\$9,762.92	9,306.12	456.80
<u> </u>		2.3010	, J., J. J. J.	0,000.12	.00.00
08-01-304-020	Lot 14	Block 3	\$9,762.92	9,306.12	456.80
08-01-304-021	Lot 15	Block 3	\$9,762.92	9,306.12	456.80
08-01-306-024	Lot 1		\$30,668.63	29,233.73	1,434.90

Lloyd Roth and Claire Roth Audrey F, Paroligis James Rothed and Rachel Rohde Audrey F, Paroligis James Rothed and Rachel Rohde Audrey F, Paroligis James Rothed and Rachel Rohde Karel Golias as Trustee under provisions of the Karel Golias Declaration of Trust dated d41/22017 Robert J, Zamarelli and Joy P, Zamarelli Michael J Lococo and Ricky Sumera Michael D Lococo and Ricky Sumera Michael D Lococo and Ricky Sumera Michael D, Lococo and Ricky Sumera Michael D, Lococo and Ricky Sumera Menand, Inc. 5101 Menard Drive; Eau Claire, WI 54703 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes Trust Dated G02/24/04 Lot D, Budlmir, Successor Trustee of the Willard D, Kubes T	DATE		TY ADDRESS	C44	O:4. ·	C+-+-	7:
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This attachment has been removed for its contents are currently confidential.

DOWNERS GROVE SANITARY DISTRICT

<u>M E M O</u>

TO: Nicholas J. Menninga General Manager

FROM: W. Clay Campbell

Administrative Supervisor

DATE: February 7, 2020

RE: Progress Report – January, 2020

ADMINISTRATIVE

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

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

DuPage County Ethics Training

All employees and public officials for the District completed this training.

OSHA Log

As required by the Illinois Department of Labor, the OSHA Form 300A for 2019 has been completed and will be posted from February 1 to April 30. I trained Safety Coordinator Jessie Gwozdz on how to complete this form for future years.

Safety Committee and Related Safety Matters

The next Safety Committee meeting is scheduled for February 18. Jessie assisted with the District's budgeting process this year as it relates to safety items and anticipated safety expenditures in the upcoming fiscal year. On February 11, six District employees will undergo CPR/First-Aid training as they either missed the training last spring or were not yet District employees at the time.

IAWA Legislative Subcommittee

The Legislative Subcommittee has filed a draft bill with emergency right of access language for sanitary districts for sanitary sewer infrastructure that is on utility or public transportation owned land. I will keep you apprised of any advancements.

Technology Update

Maintenance Supervisor Jeff Barta and I are still evaluating a proposal from Sound Inc. for a new video recording server and software to replace the existing District surveillance system. The existing system is coming up on 6 years old and while most of the cameras are still in good shape, the server and software should be updated. This project should occur sometime this spring.

Exodus Technology Service, our local IT support provider, has commenced upgrading numerous workstations to Windows 10 as Windows 7 is no longer being supported by Microsoft. This work is ongoing and is anticipated to be complete in the current fiscal year.

Per the recommendation of Concentric Integration, I executed a contract with KnowB4, a malware/ransomware/cybersecurity training software suite, to assist with training employees to be more vigilant and aware of an increasing level of sophistication in malicious emails and attempts to gain access to the District's IT infrastructure. I anticipate training to commence in March/April and to be ongoing throughout the year.

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:	58
# of Customers paying their bills online in the last month:	1306
Amount of Money processed through the Portal in the last month:	\$67,304.84
# of Customers signing up for Autopay through the Portal in the last month:	30
# of Customers enrolled in paperless billing in the last month:	28
# of customers registered for pay by text in the last month:	20
Cost to District for providing Invoice Cloud service in the last month:	\$344.40
Cost to District's customers (convenience fees) in the last month:	\$2,095.74
Estimated Monthly savings from customers enrolled in paperless billing:	\$62.70
# of Customers registered from launch through last month:	4,569
# of Customers signing up for Autopay through the Portal from launch through last month:	1,244
# of Customers enrolled in paperless billing from launch through last month:	2,090
# of customers registered for pay by text from launch through last month:	1,378

FINANCIAL

Annual Budget and Five-Year Plan

I completed budget preparation for FY20-21 and 4-year projections for the Administration department and several other District-wide expenses.

District Property and Liability Insurance

We are in the process of receiving renewal quotes from Corkill Insurance Company for the District's insurance packages. Attached to this progress report is a brief memo reviewing the early figures provided by the District's carriers for renewal. All of the District's insurance policies have an effective renewal date of April 14, 2020 (with the exception of the Tank Storage Pollution policy effective date of April 7, 2020). Mitch Backes, of Corkill Insurance Company, is anticipated to attend the regular March 17 Board meeting in order to provide the Board with the final premiums proposal.

Surveys

I completed the Illinois EPA Annual Fiscal Report Form for NPDES Permittees.

Economic Interest Statements

The list of employees and officers required to file Economic Interest Statements in 2020 was verified electronically with the County Clerk as required by statute. The Statements will be sent directly to each individual's email address in early March. I no longer need to be notified that each statement has been completed as I can now electronically monitor the status of our filers.

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

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

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, ARU, MGP

USER BILLING SUMMARY

User Charge System

Billings for January 2020 were as follows:

User	\$211,703.89
Surcharge	19,682.72
Monthly fees	332,942.83
Total	\$564,329.44
Summer Usage Adjustment	\$0.00
Billable Flow	124,531,700
Budgeted Billable Flow	118,318,878
% Actual/Budgeted Billable Flow	105.25%
YTD Billable Flow	1,360,337,648
YTD Budgeted Billable Flow	1,493,157,100
% Actual/Budgeted Billable Flow	91.10%

The user accounts receivable balance on 1/31/2020 is \$567,747.87 and consists of:

Current charges due 1/15/20	\$456,952.55
Past due charges and penalty	110,795.32
Total	\$567,747.87

The past due charges represent:

Age	<u>User Charges</u>	<u>Penalty</u>	<u>Totals</u>
30 days past due 60 days past due 90 days & greater past due	\$39,525.33 17,372.66 40,668.53	\$5,303.83 2,814.76 5,110.21	\$44,829.16 20,187.42 45,778.74
Totals	\$97,566.52	\$13,228.80	\$110,795.32

Summary of Past Due Charges (90 Days and Over)

Five Year Comparison

January

<u>Year</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
2020	\$40,668.53	\$5,110.21	\$45,778.74 ****
2019	\$40,850.54	\$4,813.96	\$45,664.50 *****
2018	43,493.66	5,378.84	48,872.50 ****
2017	43,159.75	5,409.73	48,569.48 ***
2016	43,668.43	5,332.44	49,000.87 **

*****Includes \$10,462.28 in sewer disconnection costs on 2 accounts plus late fees
****Includes \$13,020.74 in sewer disconnection costs on 4 accounts plus late fees
***Includes \$17,128.69 in sewer disconnection costs on 6 accounts plus late fees
**Includes \$9,256.59 in sewer disconnection costs on 3 accounts plus late fees
*Includes \$11,270.09 in sewer disconnection costs on 4 accounts plus late fees

Twelve Months Ending January 2020

<u>Month</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
1/21/20	¢40.669.52	Ø5 110 21	¢45 770 74
1/31/20	\$40,668.53	\$5,110.21	\$45,778.74
12/31/19	42,249.41	5,545.98	47,795.39
11/30/19	44,865.08	6,235.59	51,100.67
10/31/19	44,946.81	5,708.76	50,655.57
9/30/19	49,629.96	6,354.25	55,984.21
8/31/19	46,041.82	5,990.19	52,032.01
7/31/19	44,335.90	5,529.97	49,865.87
6/30/19	44,551.56	5,596.79	50,148.35
5/31/19	41,508.51	5,098.57	46,607.08
4/30/19	37,792.28	4,731.80	42,524.08
3/31/19	39,815.02	4,905.41	44,720.43
2/28/19	43,310.88	5,149.61	48,460.49

Six (6) of ten (10) delinquent accounts that were scheduled for pre-enforcement conferences on January 21, 2020 have paid in full. One account from 2012 and another from 2014 are the only two remaining sewer disconnections.

DOWNERS GROVE SANITARY DISTRICT $\underline{\mathbf{M}} \ \underline{\mathbf{E}} \ \underline{\mathbf{M}} \ \underline{\mathbf{O}}$

TO: Board of Trustees

FROM: W. Clay Campbell

Administrative Supervisor

DATE: February 7, 2020

RE: Early Figures for Insurance Renewals for FY20-21

Mitch Backes of Corkill Insurance, the District's broker, has provided the District with early renewal numbers for insurance premiums from all of the existing brokers for the various lines of coverage on the below table. These figures reflect the same exact coverage and plan design as the current year.

The major item to note this year is that the District is facing a significant increase in its Workers Compensation coverage due to the District receiving its first year "experience modifier" for that coverage. In the insurance industry, an experience modifier is generated for each insured based upon actual claims activity reported to the National Council on Compensation Insurance. An experience modifier is typically made up of 3 years' worth of claims data as each year rolls forward. Prior to 2018, the District's claims activity (both good and bad years) was not being reported to the National Council on Compensation Insurance due to the fact that the District's insurer at the time, Illinois Public Risk Fund, was an independent municipal insurance pool made up solely of units of local government and managed these types of assessments internally. During that time between 2011 and 2017, while the District was part of the pool, it was able to relatively maintain lower workers compensation premiums until 2017 when they started to edge up again prompting the District to shop for more affordable coverage. One of the potential costs though of switching to a reporting carrier is the "ramp" of getting back to a full 3 year average of reported claims activity upon which to base an accurate experience modifier.

In 2018, the District experienced several costly workers compensation claims that required surgeries or settlements for partial disability determinations which are provided for statutorily. As the District's new experience modifier only has one year's worth of data (2018) and since it happens to be an active year, it is high (1.47). That number essentially represents to the carrier that they could elect to charge the District a renewal premium for workers compensation coverage up to 147% of the expiring premium (in order to mitigate the risks of encountering another active year). Such an increase would cause this premium to potentially increase by as much as \$42,707. The District's 2019 year (which will be year 2) was very inactive (2 minor claims) and next year's renewal should see the experience modifier come down.

Fortunately, because of the relationship between our broker and the carrier and the ongoing safety initiatives the District is currently pursuing, the Selective underwriter is willing to only increase our WC premiums by 7.5% for the upcoming year in return for making some increases in other lines of coverage where there is current industry pressure from reinsurers (largely originating from wildfires claims) to bump the Property (\$7,190 - 17.5%) and Auto (\$3,957 - 21.9%) premiums. A small increase in the Property premium is also due to increasing the District's equipment rental coverage from \$25,000 to \$150,000 as the District does periodically rent large pieces of equipment

for work at the plant (i.e. a "Cherry-Picker" or horizontal lift truck — which tends to be valued between \$100,000 - \$250,000). A small increase in the Auto premiums is due to the purchase of two new vehicles in FY19-20. The overall proposed increase at this time for all lines of coverage is a 10.7% increase over expiring premiums (\$20,101) which would bring the grand total of all premiums for the upcoming year to \$207,707. In the currently proposed budget for Fiscal Year 20-21, staff has budgeted \$208,000 in anticipation of these increases.

Staff will be presenting the full renewal memo with final proposed premiums for coverage at the Board's regular March meeting for consideration.

cc: KJR, RTJ, MJS, NJM, ARU, MGP

COVERAGES BY FISCAL YEAR BEGINNING	FY20-21 - SELECTIVE RENEWAL RATES currently proposed	FY19-20 - SELECTIVE EXPIRING RATES	FY19-20 - SELECTIVE RENEWAL RATES	FY18-19 - SELECTIVE
GENERAL LIABILITY (INCLUDES TERRORISM)	\$11,483	\$10,794	\$10,794	\$11,460
AUTOMOBILE	22,007	18,050	16,766	16,311
PUBLIC OFFICIALS LIABILITY	7,483	7,660	7,660	6,890
UMBRELLA LIABILITY	11,600			
FIDELITY AND CRIME	50			
TANK STORAGE POLLUTION LIABILITY (CRUM & FORSTER) CRIME & CYBER-LIABILITY	3,730 5,405			
ONINE & OTBER EMBIETT	0,100	1,010	1,700	1,700
SUBTOTAL	\$61,758	\$55,667	\$54,026	\$52,569
PROPOSED WOREAGE AMOUNT	00.004			
PROPOSED INCREASE AMOUNT:	\$6,091			
PERCENT INCREASE OR				
DECREASE OVER PRIOR YEAR	10.9%	3.0%	2.8%	
EXCLUDING PROPERTY AND WORKERS COMP				
PROPERTY	\$38,084	\$32,294	\$32,094	\$31,994
MOBILE EQUIPMENT	\$30,064 \$10,179			
MODILE EQUI MENT	Ψ10,170	ψ0,770	ψ0,770	ψ0,020
PROPERTY SUBTOTAL	\$48,263	\$41,073	\$40,873	\$41,017
PROPOSED INCREASE AMOUNT:	\$7,190			
PERCENT INCREASE OR				
DECREASE OVER PRIOR YEAR	17.5%	0.5%	-0.4%	
PROPERTY ONLY				
SUBTOTAL OF LIABILITY AND PROPERTY	\$110,021	\$96,740	\$94,899	\$93,586
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PROPOSED INCREASE AMOUNT:	\$13,281			
DEDOEMT INODE AGE OD				
PERCENT INCREASE OR DECREASE OVER PRIOR YEAR	13.7%	1.9%	1.4%	
EXCLUDING WORKERS COMP	13.7 /0	1.570	1.470	
WORKERS COMPENSATION *	\$97,686	\$90,866	\$87,167	\$79,556
WC TOTAL	\$97,686	\$90,866	\$87,167	\$79,556
PROPOSED INCREASE AMOUNT:	\$6,820			
PERCENT INCREASE OR				
DECREASE OVER PRIOR YEAR	7.5%	4.2%	9.6%	
WORKERS COMP ONLY				
GRAND TOTAL	\$207,707	\$187,606	\$182,066	\$173,142
	\$25. ,101	\$.3.,000	Ų.3 <u>2</u> ,000	ψσ,. <i>1</i> Σ
PROPOSED INCREASE AMOUNT:	\$20,101			
DEDOEMT INODE AGE OD				
PERCENT INCREASE OR DECREASE OVER PRIOR YEAR	10.7%	3.0%	5.2%	
DEGREAGE OVER FRIOR TEAR	10.770	3.0%	3.2%	

To: Nick Menninga, General Manager

From: Marc Majewski, Operations Supervisor

Re: Month of January, 2020 WWTC Operations Report.

Date: February 4, 2020

Attached please find detailed operating data and our monthly report to Illinois EPA for January. We had no excursions over our permit limit in January.

Certain highlights of operational activities included:

- Monthly flow: Average daily flows to the plant were 13.61 MGD. Total precipitation at the WWTC was 3.56". There was 1 excess flow events during the month of January. There were 23 days of discharge over 11 mgd.
- Activated sludge: Activated sludge settle ability was undesirable during the month of January. Several rounds of RAS chlorination took place to help control filaments and achieve better solids settling. Aeration tanks 3&4 were placed in service at the end of the month to help with ammonia removal.
- Anaerobic Digesters: Pumped a total of 962,131 gallons of primary sludge, 727,560 gallons of WAS, and 261,351 gallons of waste grease for a total of 1,951,042 gallons pumped to digesters. Total Volatile Solids destruction was calculated at 67.5% for January.
- Digester gas: Total digester gas production was 5,548,176 cubic feet. 141,847 cubic feet of gas was used for anaerobic digestion heat, and 3,608,927 cubic feet was used in the CHP facilities. 1,051,697 cubic feet of flared gas was recorded during the month. The Munters dehumidifier used 745,705 cubic feet of gas.
- Bio-solids: Bio solid drying and deliveries are at a standstill until spring weather arrives. Dahm Enterprises hauled sludge for land application on January 29th and 30th.
- Miscellaneous Items: On January 23rd and 27th staff completed Hazcom training. On January 30th Dahme mechanical completed installation of replacement 24" piping in the bar screen building.
- Electricity: Overall net energy from ComEd was: 126,110 KW-Hrs. Electricity Generated by the CHP system was 273,761 KW-Hrs. Monthly net energy (including natural gas usage) was 164 MW-Hrs for the month of January.

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

Downers Grove Sanitary District January 2020

	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
1/1/2020	0.11	15.38	9.37	12.70	0.00	0.00	0.00	0.00	0.00	0.00	15.38	12.70	0.00
1/2/2020	0.00	15.39	9.19	12.53	0.00	0.00	0.00	0.00	0.00	0.00	15.39	12.53	0.00
1/3/2020	0.00	14.67	8.30	11.70	0.00	0.00	0.00	0.00	0.00	0.00	14.67	11.70	0.00
1/4/2020	0.00	14.82	7.90	11.25	0.00	0.00	0.00	0.00	0.00	0.00	14.82	11.25	0.00
1/5/2020	0.02	14.64	7.45	11.02	0.00	0.00	0.00	0.00	0.00	0.00	14.64	11.02	0.00
1/6/2020	0.00	14.65	7.14	10.36	0.00	0.00	0.00	0.00	0.00	0.00	14.65	10.36	0.00
1/7/2020	0.00	14.82	6.58	10.07	0.00	0.00	0.00	0.00	0.00	0.00	14.82	10.07	0.00
1/8/2020	0.00	14.30	6.26	9.50	0.00	0.00	0.00	0.00	0.00	0.00	14.30	9.50	0.00
1/9/2020	0.03	14.39	6.25	9.39	0.00	0.00	0.00	0.00	0.00	0.00	14.39	9.39	0.00
1/10/2020	1.01	23.97	5.74	9.58	0.00	0.00	0.00	0.00	0.00	0.00	23.97	9.58	0.00
1/11/2020	0.48	27.14	19.41	22.62	29.70	13.57	0.00	0.00	0.00	0.00	56.84	36.19	19.38
1/12/2020	0.00	26.12	19.58	22.08	1.03	0.01	0.00	0.00	0.00	0.00	27.15	22.08	0.02
1/13/2020	0.06	20.88	14.85	18.91	0.00	0.00	0.00	0.00	0.00	0.00	20.88	18.91	0.00
1/14/2020	0.17	20.04	13.17	17.04	0.00	0.00	0.00	0.00	0.00	0.00	20.04	17.04	0.00
1/15/2020	0.00	20.77	12.67	15.19	0.00	0.00	0.00	0.00	0.00	0.00	20.77	15.19	0.00
1/16/2020	0.00	16.63	10.79	13.41	0.00	0.00	0.00	0.00	0.00	0.00	16.63	13.41	0.00
1/17/2020	0.00	15.10	8.04	12.47	0.00	0.00	0.00	0.00	0.00	0.00	15.10	12.47	0.00
1/18/2020	0.71	24.89	10.18	17.77	0.00	0.00	0.00	0.00	0.00	0.00	24.89	17.77	0.00
1/19/2020	0.00	19.13	12.12	14.84	0.00	0.00	0.00	0.00	0.00	0.00	19.13	14.84	0.00
1/20/2020	0.00	18.20	9.88	13.43	0.00	0.00	0.00	0.00	0.00	0.00	18.20	13.43	0.00
1/21/2020	0.00	15.00	8.62	11.75	0.00	0.00	0.00	0.00	0.00	0.00	15.00	11.75	0.00
1/22/2020	0.00	15.05	7.85	10.86	0.00	0.00	0.00	0.00	0.00	0.00	15.05	10.86	0.00
1/23/2020	0.30	14.83	7.66	10.98	0.00	0.00	0.00	0.00	0.00	0.00	14.83	10.98	0.00
1/24/2020	0.46	23.97	9.40	15.85	0.00	0.00	0.00	0.00	0.00	0.00	23.97	15.85	0.00
1/25/2020	0.16	23.32	15.35	19.22	0.00	0.00	0.00	0.00	0.00	0.00	23.32	19.22	0.00
1/26/2020	0.00	19.92	13.82	16.37	0.00	0.00	0.00	0.00	0.00	0.00	19.92	16.37	0.00
1/27/2020	0.00	18.59	11.53	14.18	0.00	0.00	0.00	0.00	0.00	0.00	18.59	14.18	0.00
1/28/2020	0.00	17.65	9.43	12.22	0.00	0.00	0.00	0.00	0.00	0.00	17.65	12.22	0.00
1/29/2020	0.00	19.97	9.31	12.01	0.00	0.00	0.00	0.00	0.00	0.00	19.97	12.01	0.00
1/30/2020	0.00	21.88	8.39	12.29	0.00	0.00	0.00	0.00	0.00	0.00	21.88	12.29	0.00
1/31/2020	0.05	14.94	0.63	10.43	0.00	0.00	0.00	0.00	0.00	0.00	14.94	10.43	0.00
Minimum	0.00	14.30	0.63	9.39	0.00	0.00	0.00	0.00	0.00	0.00	14.30	9.39	0.00
Maximum	1.01	27.14	19.58	22.62	29.70	13.57	0.00	0.00	0.00	0.00	56.84	36.19	19.38
Total	3.56	571.06	306.86	422.01	30.73	13.58	0.00	0.00	0.00	0.00	601.79	435.59	19.40
Average	0.11	18.42	9.90	13.61	0.99	0.44	0.00	0.00	0.00	0.00	19.41	14.05	0.63

Downers Grove Sanitary District January, 2020

	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
4/4/0000	40.70	4.040	04.405	40.07				100			
1/1/2020	12.70	1,310	61,105	12.97	00	2.1	0.7	168	4.000		
1/2/2020	12.53	2,530	96,395	15.87	93	84	67	331	4,333		8.8
1/3/2020	11.70	2,466	94,569	11.85	92	81	64	327		5,403	
1/4/2020	11.25	2,466	94,569	11.53				327			
1/5/2020	11.02	2,466	94,569	11.50				327			
1/6/2020	10.36	2,457	92,596	12.27	88	75	56	303		4,883	9.2
1/7/2020	10.07	2,221	85,904	11.31	87	74	53	332	4,541		9.0
1/8/2020	9.50	2,140	83,077	10.99	77	58	34	273		5,119	
1/9/2020	9.39	2,252	85,243	11.89	54	37	25	166	3,956		8.8
1/10/2020	9.58	2,223	83,529	13.10	65	49	32	219		4,711	
1/11/2020	22.62	2,223	83,529	17.01				219			
1/12/2020	22.08	2,223	83,529	15.35				219			
1/13/2020	18.91	1,858	76,814	8.41	45	32	22	169		7,167	8.7
1/14/2020	17.04	2,125	82,813	8.95	65	49	32	229	4,311		8.8
1/15/2020	15.19	2,103	81,689	9.66	60	44	29	210		6,352	8.8
1/16/2020	13.41	2,044	79,440	9.93	53	36	25	176	3,830		
1/17/2020	12.47	2,187	83,837	10.89		32	24	148		6,362	
1/18/2020	17.77	2,187	83,837	10.78				148			
1/19/2020	14.84	2,187	83,837	10.65				148			
1/20/2020	13.43	2,180	82,463	14.07	65	48	31	215		4,882	9.8
1/21/2020	11.75	2,086	80,174	14.88	56	43	28	206	4,284	,,,,,,	8.5
1/22/2020	10.86	2,354	89,008	15.56		56	35	236	, -	5,433	9.3
1/23/2020	10.98	2,517	91,740	14.85	63	48	32	190	3,969	3,.33	0.0
1/24/2020	15.85	2,339	87,526	10.86	38	28	20	121	3,000	6,670	
1/25/2020	19.22	2,339	87,526	11.08				121		3,5.5	
1/26/2020	16.37	2,339	87,526	10.96				121			
1/27/2020	14.18	2,256	84,554	11.43	36	26	19	114		6,104	9.4
1/28/2020	12.22	2,230	80,584	11.43	34	25	19	110	3,889	0,104	9.4
1/29/2020	12.22	2,151	80,767	12.64	31	22	17	93	0,000	5,707	8.9
1/30/2020				12.04		22	18		4 505	3,707	0.9
	12.29	1,953	77,939		32		18	105	4,595	4 770	
1/31/2020	10.43	2,183	83,501	16.81	35	24	Ιδ	101		4,778	
Minimum	9.39	1,310	61,105.10	8.41	30.75	21.75	16.50	92.84	3,830	4,711	8.5
Maximum	22.62	2,530	96,394.78	17.01	93.00	83.75	67.25	332.00	4,595	7,167	9.8
Total	422.01	68,503	2,624,189.76		1,168.00	990.00	695.75	6,173.87	37,708	73,571	117.1
Average	13.61	2,210	84,651.26	12.32	58.45	45.14	31.82	199.10	4,190	5,659	9.0

	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
1/1/2020	12.70	172			8.0	85	98.6	20	45	
1/2/2020	12.53	205	64	2.0	0.9	94	99.0	37	50	55.2
1/3/2020	11.70							34	41	
1/4/2020	11.25							27	34	
1/5/2020	11.02							24	44	
1/6/2020	10.36							26	44	55.4
1/7/2020	10.07	188	78	2.0	1.3	109	98.6	26	42	55.6
1/8/2020	9.50	212	82	1.7	1.4	111	98.5	16	29	56.7
1/9/2020	9.39	255	86	2.4	2.0	157	98.6	22	51	55.9
1/10/2020	9.58							37	51	
1/11/2020	22.62	102						25	39	
1/12/2020	22.08							24	32	
1/13/2020	18.91							31	34	53.6
1/14/2020	17.04	164	52	3.0	1.1	156	98.3	27	43	54.3
1/15/2020	15.19	191	63	3.3	1.1	139	98.5	25	37	54.3
1/16/2020	13.41	174	60	3.3	1.6	179	98.2	13	29	54.1
1/17/2020	12.47							13	30	
1/18/2020	17.77							4	36	
1/19/2020	14.84							2	20	
1/20/2020	13.43	112			0.8	90	97.9	15	35	52.7
1/21/2020	11.75	170	56	2.2	1.0	98	98.5	12	31	54.0
1/22/2020	10.86	125	62	2.8	1.0	91	97.8	24	36	53.8
1/23/2020	10.98							30	34	54.1
1/24/2020	15.85							33	39	
1/25/2020	19.22							33	35	
1/26/2020	16.37							28	34	
1/27/2020	14.18							28	36	53.1
1/28/2020	12.22	168	62	2.8	1.0	102	97.0	30	33	53.2
1/29/2020	12.01	102	56	2.5	0.8	80	95.1	30	33	52.9
1/30/2020	12.29	115	60	2.7	1.4	144	95.5	31	35	53.2
1/31/2020	10.43							31	37	
Minimum	9.39	102	52	1.7	0.80	80	95.1	2	20	52.7
Maximum	22.62	255	86	3.3	2.00	179	99.0	37	51	56.7
Total	422.01	2,455	781	30.7	16.20	1,634	1,370.1	758	1,151	922.1
Average	13.61	164	65	2.6	1.16	117	97.9	24	37	54.2

	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
1/1/2020	12.70	124			0.4	42	99.7				
1/2/2020	12.53	148	35	4.1	0.4	42	99.7	7.8	7.8	7.3	7.5
1/3/2020	11.70	180			0.4	39	99.8	7.7	7.8	7.2	7.3
1/4/2020	11.25	205			0.5	47	99.8				
1/5/2020	11.02	194			0.4	37	99.8				
1/6/2020	10.36	220	50	3.2	0.4	35	99.8	7.7	7.8	7.3	7.4
1/7/2020	10.07	208	59	3.4	0.5	42	99.8	7.7	7.7	7.2	7.4
1/8/2020	9.50	215	50	4.9	0.7	55	99.7	7.7	7.8	7.2	7.3
1/9/2020	9.39	215	56	4.7	0.9	70	99.6	7.7	7.8	7.1	7.3
1/10/2020	9.58	236			0.7	56	99.7	7.7	7.7	7.1	7.3
1/11/2020	22.62	100			3.5	660	96.5				
1/12/2020	22.08	56			3.1	571	94.5				
1/13/2020	18.91	110	46	7.0	1.4	221	98.7	7.7	7.7	7.3	7.5
1/14/2020	17.04	118	37	5.0	0.8	114	99.3	7.7	7.8	7.3	7.4
1/15/2020	15.19	138	41	4.8	0.6	76	99.6	7.7	7.6	7.2	7.4
1/16/2020	13.41	138	38	6.0	1.1	123	99.2	7.8	7.7	7.3	7.4
1/17/2020	12.47	132			0.3	31	99.8	7.8	7.7	7.2	7.4
1/18/2020	17.77	128			0.8	119	99.4				
1/19/2020	14.84	80			0.8	99	99.0				
1/20/2020	13.43	100	61	4.0	0.4	45	99.6	7.7	7.7	7.5	7.5
1/21/2020	11.75	156	47	4.0	0.6	59	99.6	7.7	7.7	7.4	7.4
1/22/2020	10.86	148	44	5.0	0.6	54	99.6	7.7	7.7	7.3	7.3
1/23/2020	10.98	176			0.7	64	99.6	7.7	7.7	7.3	7.5
1/24/2020	15.85	184			1.3	172	99.3	7.7	7.6	7.2	7.3
1/25/2020	19.22	104			1.6	256	98.5				
1/26/2020	16.37	82			0.9	123	98.9				
1/27/2020	14.18	116	45	4.9	0.7	83	99.4	7.6	7.6	7.3	7.5
1/28/2020	12.22	152	42	5.1	0.8	82	99.5	7.7	7.7	7.2	7.4
1/29/2020	12.01	112	38	5.0	0.8	80	99.3	7.7	7.7	7.2	7.4
1/30/2020	12.29	124	44	9.1	1.0	103	99.2	7.7	7.7	7.2	7.4
1/31/2020	10.43	124			1.1	96	99.1	7.6	7.7	7.2	7.3
Minimum	9.39	56	35	3.2	0.3	31	94.5	7.6	7.6	7.1	7.3
Maximum	22.62	236	61	9.1	3.5	660	99.8	7.8	7.8	7.5	7.5
Total	422.01	4,523	733	80.2	28.2	3,694	3,074.7	169.5	169.7	159.5	162.6
Average	13.61	146	46	5.0	0.9	119	99.2	7.7	7.7	7.3	7.4

Downers Grove Sanitary District January, 2020

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
1/1/2020	12.70	14.12	0.17	18.0		
1/2/2020	12.53	14.16	0.10	10.4		
1/3/2020	11.70					
1/4/2020	11.25					
1/5/2020	11.02	14.24	0.05	4.6		
1/6/2020	10.36					
1/7/2020	10.07	19.32	0.08	6.7		
1/8/2020	9.50	21.40	0.61	48.3		
1/9/2020	9.39	20.84	0.77	60.3		
1/10/2020	9.58				0.02	
1/11/2020	22.62					
1/12/2020	22.08	5.48	0.28	51.5	0.04	
1/13/2020	18.91	9.40	0.88	138.8	0.02	
1/14/2020	17.04	11.04	1.12	159.2		
1/15/2020	15.19	11.94	1.22	154.6		
1/16/2020	13.41	13.96	1.62	181.2		
1/17/2020	12.47					
1/18/2020	17.77				0.02	
1/19/2020	14.84	8.16	0.12	14.9		
1/20/2020	13.43	12.80	0.38	42.6		
1/21/2020	11.75	16.32	1.00	98.0		
1/22/2020	10.86	18.08	1.09	98.8		
1/23/2020	10.98					
1/24/2020	15.85					
1/25/2020	19.22					
1/26/2020	16.37	7.32	0.05	6.8		
1/27/2020	14.18	15.20	0.05	5.9		
1/28/2020	12.22	17.24	1.01	102.9		
1/29/2020	12.01	14.28	1.04	104.2		
1/30/2020	12.29	13.64	1.10	112.8	0.03	
1/31/2020	10.43				0.02	
Minimum	9.39	5.48	0.05	4.6	0.02	
Maximum	22.62	21.40	1.62	181.2	0.04	
Total	422.01	278.94	12.74	1,420.4	0.15	
Average	13.61	13.95	0.64	71.0	0.03	

OLUBOE DATA					
SLUDGE DATA Primary Sludge	TS	3.65	0/_	962,131	Gallone
WAS to Digesters	TS	2.40		727,560	
Hauled Grease to Digs	TS	9.17		261,351	
Anaerobically Digested Sluc		5.17	70	201,001	Galloris
Drying Beds	TS	3.25	%	123,468	Gallons
BFP	TS	2.00		1,204,857	
Lagoons	TS		%	.,_0 .,00.	Gallons
Total				1,328,325	
VS Destruction				66.0	
Biosolids Disposal					
<u> </u>	Distribution	Jan			Dry Tons
Cla	ss B Hauling	Jan			Dry Tons
	Total	Jan			Dry Tons
Class A	Distribution	YTD			Dry Tons
Cla	ss B Hauling	YTD			Dry Tons
	Total	YTD			Dry Tons
ENERGY DATA					
	ster Gas Prod	duction		5,548,176	SCF
Gas Volume per					Cu.Ft./Lb.
Digester Gas Utilization				0.0	Jul. 1, 25.
	Heat Exch	angers		141,847	SCF
	Dehumidi	•		745,705	
		CHP		3,608,927	SCF
		Total		4,496,479	
Digester Gas Flared				1,051,697	SCF
Natural Gas Consumed					
	1	NWTC		41,100	SCF
		MSB		47,600	SCF
	Chemica	al Feed		39,800	SCF
	5006	Walnut		35,300	SCF
Kilowatt-hours Generated C	HP			273,761	KWH
Net energy from Comed				126,110	KWH
Monthly net energy				167	MWH
MISCELLANEOUS					
(Grit Removal	Jan		20	Cu. Yds
,	Grit Removal	YTD		20	Cu. Yds

Anaerobic Supernate

Waste Activated Sludge

City Water Consumed

735,233 Gallons

150,191 Gals/Day

18,326 Gallons

Downers Grove Sanitary District

January, 2020

	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
1/1/2020	12.70											
1/2/2020	12.53											
1/3/2020	11.70											
1/4/2020	11.25											
1/5/2020	11.02											
1/6/2020	10.36											
1/7/2020	10.07											
1/8/2020	9.50	6.45	3.65	511.8	289.2	43.4						
1/9/2020	9.39											
1/10/2020	9.58											21.38
1/11/2020	22.62											
1/12/2020	22.08											
1/13/2020	18.91						18.4	8.3	2,897.0	1,308.7	54.8	
1/14/2020	17.04											
1/15/2020	15.19	3.86	1.66	506.8	210.3	57.0						
1/16/2020	13.41											
1/17/2020	12.47											13.96
1/18/2020	17.77											
1/19/2020	14.84											
1/20/2020	13.43	3.07	1.12	356.8	125.4	63.5						
1/21/2020	11.75											
1/22/2020	10.86											
1/23/2020	10.98											17.70
1/24/2020	15.85											
1/25/2020	19.22											
1/26/2020	16.37											
1/27/2020	14.18	3.95	1.16	486.1	137.2	70.6						
1/28/2020	12.22											
1/29/2020	12.01											
1/30/2020	12.29											
1/31/2020	10.43											16.56
Minimum	9.39	3.07	1.12	356.8	125.4	43.4	18.4	8.3	2,897.0	1,308.7	54.8	13.96
Maximum	22.62	6.45	3.65	511.8	289.2	70.6	18.4	8.3	2,897.0	1,308.7	54.8	21.38
Total	422.01	17.33	7.59	1,861.5	762.1	234.6	18.4	8.3	2,897.0	1,308.7	54.8	69.60
Average	13.61	4.33	1.90	465.4	190.5	58.6	18.4	8.3	2,897.0	1,308.7	54.8	17.40

Permit

Permit #: IL0028380

DOWNERS GROVE SANITARY DISTRICT Permittee:

Major: Yes

2710 CURTISS STREET PO BOX 1412 Permittee Address:

DOWNERS GROVE, IL 60515

Facility Location:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

Permitted Feature:

001 External Outfall Discharge: 001-0

COMBINED DISCHARGE FROM A01, B01, & C01

Report Dates & Status

Monitoring Period: From 01/01/20 to 01/31/20 **DMR Due Date:** 02/25/20

Status:

Facility:

NetDMR Validated

Considerations for Form Completion

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

Principal Executive Officer

First Name: Nicholas Title: General Manager Telephone:

630-969-0664

Last Name: Menninga No Data Indicator (NODI)

Form NODI:

Parameter	Monitoring Location	Season	# Param. NOD		Quant	ity or Loading					Quality or Concentr	ation			# of Ex	. Frequency of Analysis	Sample Type
Code Name					Qualifier 1 Value 1 Qualifier	2 Value 2	Units	Qualifier	1 Value 1	Qualifier	2 Value 2	Qualifier 3	Value 3	Units			
				Sample				=	8.9	=	8.4	=	8.0	19 - mg/L		03/DW - 3 Days Every Week	GR - GRAB
00300 Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req.					Req Mon MO AV MI	N	Req Mon MN WK A	V	Req Mon DAILY MN	I 19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NODI													
				Sample						=	4.6	=	8.2	19 - mg/L		03/DW - 3 Days Every Week	CP - COMPOS
00310 BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req.						<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NODI													
				Sample				=	7.1			=	7.5	12 - SU		05/DW - 5 Days Every Week	GR - GRAB
00400 pH	1 - Effluent Gross	0		Permit Req.				>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NODI													
				Sample						=	1.3	=	2.9	19 - mg/L		05/DW - 5 Days Every Week	CP - COMPOS
00530 Solids, total suspended	1 - Effluent Gross	0		Permit Req.						<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NODI													
				Sample						=	0.77	=	3.39	19 - mg/L		05/DW - 5 Days Every Week	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NODI													
				Sample									3.65	19 - mg/L		05/30 - 5 Times Every Month	GR - GRAB
00665 Phosphorus, total [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						=	0.08			19 - mg/L		DL/DS - Daily When Discharging	
50060 Chlorine, total residual	1 - Effluent Gross	0		Permit Req.						<=	0.75 MO AVG			19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NODI													
				Sample									7.0	13 - #/100m		DL/DS - Daily When Discharging	
74055 Coliform, fecal general	1 - Effluent Gross	0		Permit Req.								<=	400.0 DAILY MX	13 - #/100m	ıL 0	DL/DS - Daily When Discharging	GR - GRAB
				Value NODI													
				Sample	=	416.19	80 - Mgal/mo									99/99 - Continuous	
82220 Flow, total	1 - Effluent Gross	0		Permit Req.		Req Mon MO TOTAL	80 - Mgal/mc	ס							0	99/99 - Continuous	
				Value NODI													

Submission Note

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

Edit Check Errors

No errors.

Comments

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

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

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

2020-02-05 14:00 (Time Zone: -06:00) Date/Time:

Report Last Signed By

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

Date/Time: 2020-02-05 14:23 (Time Zone: -06:00)

Permit

Permit #: IL0028380 Permittee: DOWNERS GROVE SANITARY DISTRICT

Major: Yes

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

Facility Location: 5003 WALNUT AVENUE

DOWNERS GROVE, IL 60515

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility:

DOWNERS GROVE, IL 60515

002 Discharge: 002-0 **Permitted Feature:** External Outfall MIXING CHMBR OVERFLOW TO ST. JOSEPH CRK

Report Dates & Status

DMR Due Date: Status: **Monitoring Period:** From 01/01/20 to 01/31/20 02/25/20 **NetDMR Validated**

Considerations for Form Completion NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name: Nicholas Title: General Manager Telephone: 630-969-0664

Last Name: Menninga

No Data Indicator (NODI)

Form NODI:

Parameter	Monitoring Location	Season #	Param. NODI			Quantity	or Loading				(Quality or Co	ncentration			# of Ex	. Frequency of Analysis	Sample Typ
Code Name					Qualifier 1	Value 1 Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
				Sample									=	8.0	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00300 Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req										Req Mon DAILY MN	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NOD														
				Sample							=	23.6	=	23.6	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00310 BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req							<=	30.0 MO AV	G <=	45.0 WKLY AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NOD														
				Sample					=	7.3			=	7.3	12 - SU		DL/DS - Daily When Discharging	GR - GRAB
00400 pH	1 - Effluent Gross	0		Permit Req					>=	6.0 MINIMUN	1		<=	9.0 MAXIMUM	12 - SU	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NOD														
				Sample							=	17.0	=	17.0	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00530 Solids, total suspended	1 - Effluent Gross	0		Permit Req							<=	30.0 MO AV	G <=	45.0 WKLY AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NOD														
				Sample									=	3.39	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00610 Nitrogen, ammonia total [as N	1 - Effluent Gross	0		Permit Req										Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NOD														
				Sample									=	1.87	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00665 Phosphorus, total [as P]	1 - Effluent Gross	0		Permit Req										Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NOD														
				Sample							=	0.38			19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
50060 Chlorine, total residual	1 - Effluent Gross	0		Permit Req							<=	0.75 MO AV	G		19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
				Value NOD														
				Sample									=	7.0	13 - #/100ml	L	DL/DS - Daily When Discharging	GR - GRAB
74055 Coliform, fecal general	1 - Effluent Gross	0		Permit Req									<=	400.0 DAILY MX	13 - #/100ml	L 0	DL/DS - Daily When Discharging	GR - GRAB
				Value NOD														
				Sample		= :	19.4	80 - Mgal/mo									DL/DS - Daily When Discharging	
82220 Flow, total	1 - Effluent Gross	0		Permit Req		i i	Req Mon MO TOTA	L 80 - Mgal/mo)							0	DL/DS - Daily When Discharging	
				Value NOD														

Submission Note

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

Edit Check Errors

No errors.

Comments

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: 2020-02-05 14:02 (Time Zone: -06:00)

Report Last Signed By

User: reeseberry
Name: Dorrance Berry
E-Mail: rberry@dgsd.org
Date/Time: 2020-02-05 14:23 (Time Zone: -06:00)

Permit

IL0028380 Permit #:

Permittee: DOWNERS GROVE SANITARY DISTRICT

Major: Yes **Permittee Address:**

2710 CURTISS STREET PO BOX 1412

DOWNERS GROVE, IL 60515

Facility Location:

5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

003 **Permitted Feature:**

External Outfall

Menninga

Discharge: 003-0

EXCESS FLOW TO ST. JOSEPH CRK

Report Dates & Status

Monitoring Period: From 01/01/20 to 01/31/20 **DMR Due Date:** 02/25/20 Status: **NetDMR Validated**

Considerations for Form Completion NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name: Nicholas Title: General Manager Telephone: 630-969-0664

Facility:

No Data Indicator (NODI)

Form NODI:

Last Name:

Parameter	Monitoring Location	Season #	Param. NODI		Quantity	or Loading				C	Quality or Conce	ntration			# of Ex.	Frequency of Analysis	Sample Typ
Code Name					Qualifier 1 Value 1 Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
				Sample													
00300 Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req									Req Mon DAILY MN	19 - mg/L	[DL/DS - Daily When Dischargir	ng GR - GRAB
				Value NOD									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 Dischargin	ng GR - GRAB
				Value NOD							C - No Discharge)	C - No Discharge				
				Sample													
00400 pH	1 - Effluent Gross	0		Permit Req				>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		DL/DS - Daily When Dischargir	ng GR - GRAB
				Value NOD					C - No Discharge	•			C - No Discharge				
				Sample													
00530 Solids, total suspended	1 - Effluent Gross	0		Permit Req						<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	[DL/DS - Daily When Dischargin	ng GR - GRAB
				Value NOD							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 Dischargir	ng GR - GRAB
				Value NOD									C - No Discharge				
				Sample													
00665 Phosphorus, total [as P]	1 - Effluent Gross	0		Permit Req									Req Mon DAILY MX	19 - mg/L	[DL/DS - Daily When Dischargin	ng GR - GRAB
				Value NOD									C - No Discharge				
				Sample													
50060 Chlorine, total residual	1 - Effluent Gross	0		Permit Req						<=	0.75 MO AVG			19 - mg/L		DL/DS - Daily When Dischargir	ng GR - GRAB
				Value NOD							C - No Discharge)					
				Sample													
74055 Coliform, fecal general	1 - Effluent Gross	0		Permit Req										13 - #/100m	L [DL/DS - Daily When Dischargir	ng GR - GRAB
				Value NOD									C - No Discharge				
				Sample													
82220 Flow, total	1 - Effluent Gross	0		Permit Req		Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Dischargin	ng
				Value NOD		C - No Discharge											

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

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

Date/Time: 2020-02-05 14:02 (Time Zone: -06:00)

Report Last Signed By

User: reeseberry
Name: Dorrance Berry
E-Mail: rberry@dgsd.org
Date/Time: 2020-02-05 14:23 (Time Zone: -06:00)

Date/Time:

Permit DOWNERS GROVE SANITARY DISTRICT DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER Permit #: IL0028380 Permittee: Facility: Major: Yes Permittee Address: 2710 CURTISS STREET PO BOX 1412 **Facility Location: 5003 WALNUT AVENUE** DOWNERS GROVE, IL 60515 DOWNERS GROVE, IL 60515 A01 Discharge: **Permitted Feature:** A01-0 External Outfall EXCESS FLOW FROM EXCESS FLOW CLARIFIERS Report Dates & Status Monitoring Period: From 01/01/20 to 01/31/20 **DMR Due Date:** 02/25/20 Status: **NetDMR Validated Considerations for Form Completion** NUMBER OF DAYS OF DISCHARGE:CS **Principal Executive Officer** Title: General Manager Telephone: First Name: Nicholas 630-969-0664 **Last Name:** Menninga No Data Indicator (NODI) Form NODI: Monitoring Location Season # Param. NODI Parameter **Quantity or Loading Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Qualifier 1 Value 1 Qualifier 2 Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Code Name Value 2 Value 3 Units DL/DS - Daily When Discharging GR - GRAB Sample 19 - mg/L 00310 BOD, 5-day, 20 deg. C 1 - Effluent Gross DL/DS - Daily When Discharging GR - GRAB **Permit Red** Req Mon DAILY MX 19 - mg/L 0 Value NODI Sample 32.2 19 - mg/L DL/DS - Daily When Discharging GR - GRAB 00530 Solids, total suspended 1 - Effluent Gross Permit Req. Req Mon DAILY MX 19 - mg/L 0 DL/DS - Daily When Discharging GR - GRAB 0 Value NODI DL/DS - Daily When Discharging GR - GRAB Sample 7.9 19 - mg/L 00610 Nitrogen, ammonia total [as N] 1 - Effluent Gross Permit Req Req Mon DAILY MX 19 - mg/L 0 DL/DS - Daily When Discharging GR - GRAB Value NODI DL/DS - Daily When Discharging GR - GRAB Sample 2.06 19 - mg/L 00665 Phosphorus, total [as P] Reg Mon DAILY MX 19 - mg/L 0 DL/DS - Daily When Discharging GR - GRAB 1 - Effluent Gross 0 Permit Req. Value NODI 80 - Mgal/mo 13.58 DL/DS - Daily When Discharging CN - CONTIN Sample 82220 Flow, total Reg Mon MO TOTAL 80 - Mgal/mo 1 - Effluent Gross DL/DS - Daily When Discharging CN - CONTIN Permit Reg. Value NODI **Submission Note** If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. **Edit Check Errors** No errors. Comments Event 1: 1/11-1/12/2020, discharging for 23.1 hours. 1.49 inches of rain over 15 hours. B01 flow rate at A01 start time: 16,839 gpm. **Attachments** No attachments. Report Last Saved By **DOWNERS GROVE SANITARY DISTRICT** User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org Date/Time: 2020-02-05 14:04 (Time Zone: -06:00) Report Last Signed By User: reeseberry Name: Dorrance Berry E-Mail:

rberry@dgsd.org

2020-02-05 14:23 (Time Zone: -06:00)

Permit Permit #:

Major:

IL0028380

Yes

Permittee: Permittee Address: DOWNERS GROVE SANITARY DISTRICT

2710 CURTISS STREET PO BOX 1412

DOWNERS GROVE, IL 60515

Facility Location:

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

5003 WALNUT AVENUE

DOWNERS GROVE, IL 60515

Permitted Feature:

B01 External Outfall Discharge:

B01-0

INTERNAL MIXING CHMBR - E. BR. DUPAGE RVR

Report Dates & Status

Monitoring Period: From 01/01/20 to 01/31/20 **DMR Due Date:** 02/25/20

Status: **NetDMR Validated**

Considerations for Form Completion

DMF LOAD LIMITS DISPLAYED.

Principal Executive Officer

First Name: Nicholas Last Name: Menninga Title: General Manager Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI:

	Parameter	Monitoring Location	Season	n # Param. NODI	I			uantity or Lo						uality or Cond			# of E	x. Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier	2 Value 2	Units	Qualifier 1	Value 1	Qualifier 2	2 Value 2	Qualifier 3		Units		
					Sample										=	51.3	15 - deg F	01/30 - Monthly	GR - GRAB
00011	emperature, water deg. fahrenheit	1 - Effluent Gross	0		Permit Req.											Req Mon MO MAX	15 - deg F 0	01/30 - Monthly	GR - GRAB
					Value NODI	I													
					Sample						=	9.0	=	8.4	=	8.5	19 - mg/L	03/DW - 3 Days Every Week	GR - GRAB
00300	Dxygen, dissolved [DO]	1 - Effluent Gross	1		Permit Req.						>=	5.5 MO AV MN	ا >=	4.0 MN WK A	V >=	3.5 DAILY MN	19 - mg/L 0	02/DA - 2 Days Every Week	GR - GRAB
					Value NODI	l													
					Sample							7.1			=	7.5	12 - SU	05/DW - 5 Days Every Week	GR - GRAB
00400	bH	1 - Effluent Gross	0		Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU 0	02/DA - 2 Days Every Week	GR - GRAB
					Value NODI	I .													
					Sample										=	268.0	19 - mg/L	01/30 - Monthly	CP - COMPOS
00410	Alkalinity, total [as CaCO3]	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY MX	(19 - mg/L 0	01/30 - Monthly	CP - COMPOS
					Value NODI														
					Sample		119.17	=	660.29	26 - lb/d			=	0.9	=	3.5	19 - mg/L	05/DW - 5 Days Every Week	CP - COMPOS
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.		2202.0 MO AVG	<=	4404.0 DAILY MX	26 - lb/d			<=	12.0 MO AVG	G <=	24.0 DAILY MX	19 - mg/L 0	02/DA - 2 Days Every Week	CP - COMPOS
					Value NODI	l													
					Sample										=	8.3	19 - mg/L	01/30 - Monthly	CP - COMPOS
00600	litrogen, total [as N]	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY MX	(19 - mg/L 0	01/30 - Monthly	CP - COMPOS
					Value NODI														
					Sample		71.02	=	181.23	26 - lb/d			=	0.64	=	1.62	19 - mg/L	05/DW - 5 Days Every Week	CP - COMPOS
00610	litrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req.		734.0 MO AVG	<=	1376.0 DAILY MX	26 - lb/d			<=	4.0 MO AVG	<=	7.5 DAILY MX	19 - mg/L 0	02/DA - 2 Days Every Week	CP - COMPOS
					Value NODI														
					Sample										=	1.6	19 - mg/L	01/30 - Monthly	CP - COMPOS
00625	litrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY MX	(19 - mg/L 0	01/30 - Monthly	CP - COMPOS
					Value NODI													21/22 22 11	000
20000	Park No. 1 and 1 a	4 577			Sample										=	6.7	19 - mg/L	01/30 - Monthly	CA - CALCTD
00630	litrite + Nitrate total [as N]	1 - Effluent Gross	0		Permit Req											Req Mon DAILY MX	19 - mg/L 0	01/30 - Monthly	CA - CALCTD
					Value NODI											0.05	40	04/00 Farm Dan Manuth	OD COMPOS
00005	Discoule and a state of the Di	4 5#			Sample										=	3.65	19 - mg/L	04/30 - Four Per Month	CP - COMPOS
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	-	Permit Req											Req Mon DAILY MX	19 - mg/L 0	01/30 - Monthly	CP - COMPOS
					Value NODI											0.00	40	04/00 Marrish k	OD COMPOS
00000	Dhaanhaw a diasah sad	1 - Effluent Gross	0		Sample Permit Reg										=	3.62 Reg Mon DAILY MX	19 - mg/L	01/30 - Monthly 01/30 - Monthly	CP - COMPOS
00000	Phosphorus, dissolved	i - Eiliueili Gioss	U	_	Value NODI											Req MOII DAILT MA	(19 - 111g/L 0	01/30 - Monthly	CF - COIVIFOS
					Sample										=	240.0	19 - mg/L	01/30 - Monthly	GR - GRAB
00040	Chloride [as CI]	1 - Effluent Gross	0		Permit Reg										-	Reg Mon DAILY MX		01/30 - Monthly	GR - GRAB
00940	chionae (as Ci)	1 - Elliuelli Gioss	U		Value NODI											Req MOIT DAILT MA	t 19 - Hig/L 0	01/30 - Monthly	GK - GKAB
					Sample		13.61	=	22.62	03 - MGI	D							99/99 - Continuous	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Permit Reg		Reg Mon MO AV		Reg Mon DAILY MX								0	99/99 - Continuous	
30030	low, in conduit of the treatment plant	1 - Liliuent Oloss	U		Value NODI		Red Moll MO AV	0	Red MOLL DAIL LINK	OS - IVIOL								99/99 - Continuous	
					Sample										_	0.04	19 - mg/L	CL/OC - Chlorination/Occurance	s GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	1		Permit Req.										- <=	0.05 DAILY MX	19 - mg/L 0	CL/OC - Chlorination/Occurance	
30000	onionio, total residual	Lindon Closs	ľ		Value NODI										ν=	O.OO DAILT WA	10 Hig/L 0	SE 33 GINORITATION COCURANCE	OIT OITE
					Sample		116.7	=	178.99	26 - Ib/d			_	1.2	=	2.0	19 - mg/L	03/DW - 3 Days Every Week	CP - COMPOS
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	<u></u>	Permit Req.		1835.0 MO AVG		3670.0 DAILY MX	26 - lb/d			- <=	10.0 MO AVO		20.0 DAILY MX	19 - mg/L 0	02/DA - 2 Days Every Week	CP - COMPOS
55502	[225 01000			Value NODI			,	-3. 0.0 E/ME1 M/X	20 10/4			,	. 5.5 7					2. 30 00
					Value NODI	4													

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

Date/Time:

Report Last Signed By

E-Mail:

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

Date/Time: 2020-02-05 14:23 (Time Zone: -06:00)

rberry@dgsd.org

2020-02-05 14:08 (Time Zone: -06:00)

Permit Permit #: IL0028380 Permittee: DOWNERS GROVE SANITARY DISTRICT Facility: DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER Major: Yes Permittee Address: 2710 CURTISS STREET PO BOX 1412 **Facility Location: 5003 WALNUT AVENUE** DOWNERS GROVE, IL 60515 DOWNERS GROVE, IL 60515 B01 Discharge: Permitted Feature: B01-S SEMI ANNUAL SAMPLING AT B01 External Outfall Report Dates & Status Monitoring Period: From 08/01/19 to 01/31/20 **DMR Due Date:** 02/25/20 Status: NetDMR Validated **Considerations for Form Completion Principal Executive Officer First Name:** Nicholas Title: General Manager Telephone: 630-969-0664 Last Name: Menninga No Data Indicator (NODI) Form NODI: Monitoring Location Season # Param. NODI Quantity or Loading **Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Code Value 3 Units Sample 19 - mg/L 09/99 - See Permit GR - GRAB Req Mon DAILY MX 19 - mg/L 0 GR - GRAB 00556 Oil & Grease 1 - Effluent Gross Permit Rec 09/99 - See Permit Value NOD GR - GRAB Sample 5.0 09/99 - See Permit 28 - ug/L 00720 Cyanide, total [as CN] 1 - Effluent Gross Permit Rea Req Mon DAILY MX 28 - ug/L 0 09/99 - See Permit GR - GRAB Value NODI GR - GRAB Sample 28 - ug/L 09/99 - See Permit 00722 Cyanide, free [amen. to chlorination] 1 - Effluent Gross Permit Req Req Mon DAILY MX 28 - ug/L 0 09/99 - See Permit GR - GRAB Value NODI Sample 0.32 19 - mg/L 09/99 - See Permit 24 - COMP24 00951 Fluoride, total [as F] 1 - Effluent Gross Permit Req. Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 Value NODI 24 - COMP24 Sample 0.01 19 - mg/L 09/99 - See Permit Req Mon DAILY MX 19 - mg/L 0 01002 Arsenic, total [as As] 24 - COMP24 1 - Effluent Gross 09/99 - See Permit Permit Rea Value NODI Sample 0.026 09/99 - See Permit 24 - COMP24 19 - ma/L 01007 Barium, total [as Ba] 1 - Effluent Gross Permit Reg. Reg Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 Value NODI 0.004 09/99 - See Permit 24 - COMP24 Sample 19 - mg/L 01012 Beryllium, total [as Be] 1 - Effluent Gross Permit Req Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 Value NODI 24 - COMP24 Sample 0.001 19 - mg/L 09/99 - See Permit 24 - COMP24 01027 Cadmium, total [as Cd] 1 - Effluent Gross **Permit Rea** Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit Value NODI Sample 0.005 09/99 - See Permit GR - GRAB 19 - mg/L Req Mon DAILY MX 19 - mg/L 0 01032 Chromium, hexavalent [as Cr] 1 - Effluent Gross Permit Rea 09/99 - See Permit GR - GRAB Value NODI 24 - COMP24 Sample 19 - mg/L 09/99 - See Permit 01034 Chromium, total [as Cr] 1 - Effluent Gross Permit Req. Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 Value NODI Sample 0.005 19 - mg/L 09/99 - See Permit 24 - COMP24 01042 Copper, total [as Cu] 1 - Effluent Gross Permit Req. Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 Value NODI 09/99 - See Permit 24 - COMP24 Sample 0.05 19 - mg/L Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 01045 Iron, total [as Fe] 1 - Effluent Gross Permit Rea Value NODI Sample 0.05 09/99 - See Permit 24 - COMP24 19 - mg/L Permit Req. 09/99 - See Permit 24 - COMP24 01046 Iron, dissolved [as Fe] 1 - Effluent Gross Reg Mon DAILY MX 19 - mg/L 0 Value NODI 19 - mg/L 09/99 - See Permit 24 - COMP24 Sample 01051 Lead, total [as Pb] 1 - Effluent Gross Permit Req. Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 Value NODI Sample 0.036 19 - mg/L 09/99 - See Permit 24 - COMP24 24 - COMP24 01055 Manganese, total [as Mn] 1 - Effluent Gross Permit Rec Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit Value NOD 19 - mg/L 24 - COMP24 09/99 - See Permit Sample 09/99 - See Permit 24 - COMP24 01059 Thallium, total [as TI] 1 - Effluent Gross Permit Rea Reg Mon DAILY MX 19 - mg/L 0

Value NODI

			Sample	<	0.005	19 - mg/L	09/99 - See Permit	24 - COMP24
01067 Nickel, total [as Ni]	1 - Effluent Gross	0	 Permit Req.		Req Mon DAILY MX	19 - mg/L ⁰	09/99 - See Permit	24 - COMP24
			Value NODI					
			Sample	<	0.003	19 - mg/L	09/99 - See Permit	24 - COMP24
01077 Silver, total [as Ag]	1 - Effluent Gross	0	 Permit Req.		Req Mon DAILY MX	19 - mg/L 0	09/99 - See Permit	24 - COMP24
			Value NODI					
			Sample	=	0.03	19 - mg/L	09/99 - See Permit	24 - COMP24
01092 Zinc, total [as Zn]	1 - Effluent Gross	0	 Permit Req.		Req Mon DAILY MX	19 - mg/L 0	09/99 - See Permit	24 - COMP24
			Value NODI					
			Sample	<	0.006	19 - mg/L	09/99 - See Permit	24 - COMP24
01097 Antimony, total [as Sb]	1 - Effluent Gross	0	 Permit Req.		Req Mon DAILY MX	19 - mg/L 0	09/99 - See Permit	24 - COMP24
			Value NODI					
			Sample	<	0.005	19 - mg/L	09/99 - See Permit	24 - COMP24
01147 Selenium, total [as Se]	1 - Effluent Gross	0	 Permit Req.		Req Mon DAILY MX	19 - mg/L 0	09/99 - See Permit	24 - COMP24
			Value NODI					
			Sample	=	0.009	19 - mg/L	09/99 - See Permit	GR - GRAB
32730 Phenolics, total recoverable	1 - Effluent Gross	0	 Permit Req.		Req Mon DAILY MX	19 - mg/L 0	09/99 - See Permit	GR - GRAB
			Value NODI					
			Sample	<	0.8	3M - ng/L	09/99 - See Permit	GR - GRAB
71900 Mercury, total [as Hg]	1 - Effluent Gross	0	 Permit Req.		Req Mon DAILY MX	3M - ng/L 0	09/99 - See Permit	GR - GRAB
			Value NODI					

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

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

Date/Time: 2020-02-05 14:14 (Time Zone: -06:00)

Report Last Signed By

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

Date/Time: 2020-02-05 14:23 (Time Zone: -06:00)

Permit DOWNERS GROVE SANITARY DISTRICT Facility: DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER Permit #: IL0028380 Permittee: 2710 CURTISS STREET PO BOX 1412 **Facility Location: 5003 WALNUT AVENUE** Major: Yes **Permittee Address:** DOWNERS GROVE, IL 60515 DOWNERS GROVE, IL 60515 C01 Discharge: **Permitted Feature:** C01-0 External Outfall **EXCESS FLOW FROM CLARIFIER #1** Report Dates & Status **Monitoring Period:** From 01/01/20 to 01/31/20 **DMR Due Date:** 02/25/20 Status: **NetDMR Validated Considerations for Form Completion** NUMBER OF DAYS OF DISCHARGE:CS **Principal Executive Officer** Nicholas Title: General Manager Telephone: First Name: 630-969-0664 Last Name: Menninga No Data Indicator (NODI) Form NODI: Monitoring Location Season # Param. NODI Parameter **Quantity or Loading Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Value 3 Code Sample 00310 BOD, 5-day, 20 deg. C 1 - Effluent Gross Req Mon DAILY MX 19 - mg/L DL/DS - Daily When Discharging GR - GRAB **Permit Red** C - No Discharge Value NODI Sample 00530 Solids, total suspended 1 - Effluent Gross Permit Reg. Req Mon DAILY MX 19 - mg/L DL/DS - Daily When Discharging GR - GRAB Value NODI C - No Discharge Sample 00610 Nitrogen, ammonia total [as N] 1 - Effluent Gross Permit Req. Req Mon DAILY MX 19 - mg/L DL/DS - Daily When Discharging GR - GRAB Value NODI C - No Discharge Sample Req Mon DAILY MX 19 - mg/L 00665 Phosphorus, total [as P] 1 - Effluent Gross DL/DS - Daily When Discharging GR - GRAB Permit Req. **Value NODI** C - No Discharge Sample 82220 Flow, total Reg Mon MO TOTAL 80 - Mgal/mo DL/DS - Daily When Discharging CN - CONTIN 1 - Effluent Gross Permit Rea. Value NODI C - No Discharge **Submission Note** If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. **Edit Check Errors** No errors. Comments **Attachments** No attachments. Report Last Saved By **DOWNERS GROVE SANITARY DISTRICT** User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org Date/Time: 2020-02-05 14:14 (Time Zone: -06:00) Report Last Signed By User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org Date/Time: 2020-02-05 14:23 (Time Zone: -06:00)

Date/Time:

Permit DOWNERS GROVE SANITARY DISTRICT Facility: DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER Permit #: IL0028380 Permittee: **Facility Location:** Major: Yes **Permittee Address:** 2710 CURTISS STREET PO BOX 1412 **5003 WALNUT AVENUE** DOWNERS GROVE, IL 60515 DOWNERS GROVE, IL 60515 INF Discharge: INF-L **Permitted Feature:** Influent Structure **INFLUENT MONITORING** Report Dates & Status **Monitoring Period:** From 01/01/20 to 01/31/20 **DMR Due Date:** 02/25/20 Status: NetDMR Validated **Considerations for Form Completion Principal Executive Officer** First Name: Nicholas Title: General Manager Telephone: 630-969-0664 Menninga **Last Name:** No Data Indicator (NODI) Form NODI: Monitoring Location Season # Param. NODI **Quantity or Loading Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Qualifier 3 Units Qualifier 1 Value 2 Value 3 Sample 19 - mg/L 09/99 - See Permit CP - COMPOS 00310 BOD, 5-day, 20 deg. C G - Raw Sewage Influent 0 CP - COMPOS Permit Rec Reg Mon MO AVG 19 - mg/L 0 09/99 - See Permit Value NODI Sample 146.0 19 - mg/L 09/99 - See Permit CP - COMPOS 00530 Solids, total suspended G - Raw Sewage Influent 0 Permit Reg. Req Mon MO AVG 19 - mg/L 0 09/99 - See Permit CP - COMPOS Value NODI 01/30 - Monthly CP - COMPOS Sample 19 - mg/L 00600 Nitrogen, total [as N] G - Raw Sewage Influent 0 Permit Req. Req Mon DAILY MX 19 - mg/L 0 01/30 - Monthly CP - COMPOS Value NODI 04/30 - Four Per Month CP - COMPOS Sample 19 - mg/L CP - COMPOS Req Mon DAILY MX 19 - mg/L 0 01/30 - Monthly 00665 Phosphorus, total [as P] G - Raw Sewage Influent 0 Permit Req. Value NODI 13.86 23.63 03 - MGD 99/99 - Continuous Sample Reg Mon DAILY MX 03 - MGD 50050 Flow, in conduit or thru treatment plant G - Raw Sewage Influent 0 Reg Mon MO AVG 99/99 - Continuous Permit Rea. Value NODI **Submission Note** If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. **Edit Check Errors** No errors. Comments **Attachments** No attachments. Report Last Saved By **DOWNERS GROVE SANITARY DISTRICT** User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org Date/Time: 2020-02-05 14:15 (Time Zone: -06:00) Report Last Signed By User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org

2020-02-05 14:23 (Time Zone: -06:00)

01059 Thallium, total [as TI]

1 - Effluent Gross

Permit Permit #: IL0028380 Permittee: DOWNERS GROVE SANITARY DISTRICT Facility: DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER Major: Yes **Permittee Address:** 2710 CURTISS STREET PO BOX 1412 Facility Location: **5003 WALNUT AVENUE** DOWNERS GROVE, IL 60515 DOWNERS GROVE, IL 60515 INFL Discharge: INFL-S Permitted Feature: Influent Structure SEMI ANNUAL SAMPLING AT INFL Report Dates & Status Monitoring Period: From 08/01/19 to 01/31/20 **DMR Due Date:** 02/25/20 Status: **NetDMR Validated Considerations for Form Completion Principal Executive Officer First Name: Nicholas** Title: General Manager Telephone: 630-969-0664 Last Name: Menninga No Data Indicator (NODI) Form NODI: Parameter Monitoring Location Season # Param. NODI Quantity or Loading **Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Value 3 Code Name Units Sample 19 - mg/L 09/99 - See Permit GR - GRAB Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 00556 Oil & Grease 1 - Effluent Gross **Permit Rea** GR - GRAB Value NOD Sample GR - GRAB 5.0 09/99 - See Permit 28 - ug/L 00718 Cyanide, weak acid, dissociable 1 - Effluent Gross 0 Permit Reg Req Mon DAILY MX 28 - ug/L 0 09/99 - See Permit GR - GRAB Value NODI GR - GRAB Sample 5.0 28 - ug/L 09/99 - See Permit 00720 Cyanide, total [as CN] 1 - Effluent Gross Permit Req Req Mon DAILY MX 28 - ug/L 0 09/99 - See Permit GR - GRAB Value NOD Sample 0.42 19 - mg/L 09/99 - See Permit 24 - COMP24 00951 Fluoride, total [as F] 1 - Effluent Gross Permit Req Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 Value NODI Sample 09/99 - See Permit 24 - COMP24 0.01 19 - mg/L Req Mon DAILY MX 19 - mg/L 0 01002 Arsenic, total [as As] 1 - Effluent Gross 24 - COMP24 Permit Rea 09/99 - See Permit Value NOD Sample 0.053 09/99 - See Permit 24 - COMP24 19 - ma/L 01007 Barium, total [as Ba] 1 - Effluent Gross 0 Permit Reg. Reg Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 Value NOD Sample 0.004 09/99 - See Permit 24 - COMP24 19 - mg/L 01012 Beryllium, total [as Be] 1 - Effluent Gross Permit Req Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 Value NOD Sample 24 - COMP24 0.001 19 - mg/L 09/99 - See Permit 01027 Cadmium, total [as Cd] 24 - COMP24 1 - Effluent Gross 0 **Permit Rea** Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit Value NODI Sample 0.005 09/99 - See Permit GR - GRAB 19 - mg/L Req Mon DAILY MX 19 - mg/L 0 01032 Chromium, hexavalent [as Cr] 1 - Effluent Gross 0 Permit Rea 09/99 - See Permit GR - GRAB Value NOD 24 - COMP24 Sample 19 - mg/L 09/99 - See Permit 01034 Chromium, total [as Cr] 1 - Effluent Gross 0 Permit Req Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 Value NOD Sample 0.036 19 - mg/L 09/99 - See Permit 24 - COMP24 01042 Copper, total [as Cu] 1 - Effluent Gross 0 Permit Req Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 Value NOD Sample 24 - COMP24 0.62 19 - ma/L 09/99 - See Permit Req Mon DAILY MX 19 - mg/L 0 24 - COMP24 01045 Iron, total [as Fe] 1 - Effluent Gross 0 Permit Rea 09/99 - See Permit Value NOD Sample 0.2 09/99 - See Permit 24 - COMP24 19 - mg/L 24 - COMP24 01046 Iron, dissolved [as Fe] 1 - Effluent Gross Permit Req Reg Mon DAILY MX 19 - mg/L 0 09/99 - See Permit Value NOD Sample 19 - mg/L 09/99 - See Permit 24 - COMP24 01051 Lead, total [as Pb] 1 - Effluent Gross Permit Req Req Mon DAILY MX 19 - mg/L 0 09/99 - See Permit 24 - COMP24 Value NODI Sample 0.055 19 - mg/L 09/99 - See Permit 24 - COMP24 01055 Manganese, total [as Mn] Req Mon DAILY MX 19 - mg/L 0 24 - COMP24 1 - Effluent Gross 0 Permit Req 09/99 - See Permit

24 - COMP24

24 - COMP24

09/99 - See Permit 09/99 - See Permit

0.01

19 - mg/L

Reg Mon DAILY MX 19 - mg/L 0

Value NODI

Sample

Permit Req.

Value NODI

			Sample			=	0.006	19 - mg/L	09/99 - See Permit	24 - COMP24
01067 Nickel, total [as Ni]	1 - Effluent Gross	0	 Permit Req.				Req Mon DAILY MX	19 - mg/L ⁰	09/99 - See Permit	24 - COMP24
			Value NODI							
			Sample			<	0.003	19 - mg/L	09/99 - See Permit	24 - COMP24
01077 Silver, total [as Ag]	1 - Effluent Gross	0	 Permit Req.				Req Mon DAILY MX	19 - mg/L 0	09/99 - See Permit	24 - COMP24
			Value NODI							
			Sample			=	0.076	19 - mg/L	09/99 - See Permit	24 - COMP24
01092 Zinc, total [as Zn]	1 - Effluent Gross	0	 Permit Req.				Req Mon DAILY MX	19 - mg/L 0	09/99 - See Permit	24 - COMP24
			Value NODI							
			Sample			<	0.006	19 - mg/L	09/99 - See Permit	24 - COMP24
01097 Antimony, total [as Sb]	1 - Effluent Gross	0	 Permit Req.				Req Mon DAILY MX	19 - mg/L 0	09/99 - See Permit	24 - COMP24
			Value NODI							
			Sample			<	0.005	19 - mg/L	09/99 - See Permit	24 - COMP24
01147 Selenium, total [as Se]	1 - Effluent Gross	0	 Permit Req.				Req Mon DAILY MX	19 - mg/L 0	09/99 - See Permit	24 - COMP24
			Value NODI							
			Sample			=	0.017	19 - mg/L	09/99 - See Permit	GR - GRAB
32730 Phenolics, total recoverable	1 - Effluent Gross	0	 Permit Req.				Req Mon DAILY MX	19 - mg/L 0	09/99 - See Permit	GR - GRAB
			Value NODI							
			Sample			<	500.0	3M - ng/L	09/99 - See Permit	GR - GRAB
71900 Mercury, total [as Hg]	1 - Effluent Gross	0	 Permit Req.				Req Mon DAILY MX	3M - ng/L 0	09/99 - See Permit	GR - GRAB
			Value NODI							

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

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

Date/Time: 2020-02-05 14:20 (Time Zone: -06:00)

Report Last Signed By

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

Date/Time: 2020-02-05 14:23 (Time Zone: -06:00)

DOWNERS GROVE SANITARY DISTRICT

MEMO

TO: Nicholas J. Menninga, General Manager

FROM: Jeff Barta, Maintenance Supervisor

DATE: February 6, 2020

SUBJECT: January 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 January 2020.

Special projects in January included:

Net-Zero Public Education Center

All of the construction work for the public education center room in the excess flow sludge pumping station has been completed. The education center sign has been installed on the exterior of the building and the energy information posters have been installed. To date, the only remaining/outstanding item is the delivery of our Energy Scoreboard sign that will be installed on the north side of the maintenance building facing the train tracks. It has been fabricated and we are expecting delivery within the next few days. District staff will install the Energy Scoreboard once it arrives.

WWTC Odor Control - Bio-Filter Installation

District staff has completed all of the electrical work, air intake, drain piping and the installation of the blower unit. The excavation site was backfilled by Uno Construction. District staff has filled the filter with wood chips that are already publicly available at no cost from the Village of Downers Grove transfer site and the bio-filter is up and running as expected.

Bar Screen Building - 24" Excess Flow (CO1 - Excess Flow Level 2) Piping Repair

In last month's report, I provided information on the repair of the 30" excess flow pipe line in the bar screen building that was leaking from a deteriorated fitting. During that repair, it was brought to my attention that the 24" excess flow pipe that runs parallel to the 30" pipe was just as deteriorated and needed to be replaced. Since Dahme Mechanical was already on site working on the 30" pipe repair, I asked them to proceed and order the materials needed to also repair the 24" piping.

Preparing for this repair was a significant task for the maintenance and operations staff. In order to work on this pipeline, we had to bypass the Intermediate clarifiers, set up portable pumping and drain the clarifiers to an elevation below the incoming 24" pipe so that it could be safely opened to make the repairs. This was a 36 hour bypass pumping event.

Once the excess flow pipeline was drained and safe to open, Dahme Mechanical completed the replacement of the 24" deteriorated coupling and piping. This project was completed on a T&M basis at a total cost of \$11,575.00.

<u>Laboratory Interior Lighting – Energy Efficient LED Upgrade</u>

A small energy-efficient LED lighting upgrade was also completed in January in the laboratory building. We converted a total of 51 existing T-8 fluorescent light fixtures with 140 LED retrofit bulbs. This upgrade reduces the lighting wattage by 44% and will provide a monthly energy savings of \$22.00. The total investment on this project after rebates were applied was \$210.00. The payback will be in 11 months.

Annual Generator Preventive Maintenance

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

In addition to the annual level 2 P/M's, the automatic transfer switch maintenance and load bank testing was performed this year at the Liberty Park, College and Northwest lift station locations. The engine coolant was also replaced this year on all three (3) of the portable generators. No batteries required replacement this year. All generator batteries are replaced on a 3 year cycle.

Additional repair items have been brought to my attention by the Altorfer service technician during the annual P/M's at a few of the lift station locations. I have requested proposals for these repairs. I anticipate all of the additional repairs will be completed in the next few weeks.

Procurement for Earlston Lift Station – New Motor Control Center

We have budgeted this year to replace the motor control center at the Earlston lift station. This existing/original motor control center was originally installed when the lift station was built in 1956. Over the years, it has been retrofitted with some newer components to keep it working, but it has reached the point where it needs to be completely replaced to ensure reliable operation.

We requested proposals from three (3) manufacturers; Eaton, Square D, and Allen-Bradley for a new motor control center. The manufacturer with the lowest proposal was Eaton and the distributer was Wesco International in the amount of \$15,500.00.

District electrical staff will be installing this new motor control center in the next few weeks.

Work Order Summary

Work Order Completion Dates from 1/2/2020 to 1/31/2020

Wednesday, February 5, 2020

Work Assignment	Completion Date	Equipment	NOTATIONS
Replace washer reservoir, pump, and tubing with new.	02-Jan-20) 2015 Wheel Loader #332	Replaced washer reservoir, pump, and tubing with new.
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Replace thermostat that was bad.	03-Jan-20	Hypochlorite Feed Blg	Install new thermostat and test unit heater operation.
Upgrade 1/2" drain sstem line to 3/4"		Maintenance Services Building	Removed 1/2" drain line at Test gauge and replaced with 3/4" copper and peck line. In compliance to NFPA 12 code, scheduled reinspection.
Annual Oil Change Gear Reducer Grit Conveyors.	04-Jan-20	Grit Conveyor System	
Annual P/M due on the generator.	07-Jan-20	Portable Generator 200	Altorfer Power Systems performed the annual level 2 P/M on the generator. Also replaced coolant during the annual P/M.
Six Month Oil Change Primaries 3 & 4 Long & Cross Collector		Primary Clarifier 3	
		Primary Clarifier 4	
Replace the Bird Cage level detector on the west we well.		Venard Lift Station	Install the new Bird Cage level detector in the west wet well. Note: This cable is longer that the standard cable it was special ordered for the west wet well.
Flush Pearth 2 with 3 oz of Kerosene/Oil mixture	08-Jan-20	Digester 2 Mixing System	
Overhaul pump and replace impeller.		Earlston Pump 1	Pull pump, disassemble clean & inspect. Replace bearings, shaft sleeve, mechanical seal, oil & grease seals. Reassemble, install and test operation.
Replace bad I/O boards at Digester 3 Remote I/O panel.		SCADA	Troubleshoot analog signal failure with assistance from Concentric. Found two analog boards failed. Replaced (1) 4 channel analog output board & (1) 8 channel analog input boards.
All storage tanks due for inspection & repairs.	09-Jan-20	Bisulfite Storage Tanks	Drain tanks, pump out remaining fluid, ventilate & wash down. FRP Consulting and Repair Service Corp. inspected all 10 storage tanks & made repairs as needed. See invoices for repair specifics.
		Hypochlorite Storage Tanks	
Annual P/M due on the generator.		Portable Generator 350	Altorfer Power Systems performed the annual level 2 P/M on the generator. Also replaced heater hoses & coolant during the annual P/M.
9,574 / 19,210 hours. Perform 1200 maintenance on gas engine.	10-Jan-20) CHP Engine Genset #2	Adjusted valves and performed compression test. Cleaned and adjusted spark plug gap. Replaced valve cover gaskets. Performed normal adjustments, tests & cleaning procedures associated with service.
Annual P/M due on the generator.		Portable Generator 150	Altorfer Power Systems performed the annual level 2 P/M on the generator. Also replaced coolant during the annual P/M.
Replace battery for stationary generator with new.	14-Jan-20	Butterfield Stationary Generat	Procured new battery and installed. Returned core.
Annual level 2 P/M with oil change this year.		Emergency Generator 3	Altorfer Power Systems performed the annual level 2 P/M and changed the oil this year.
Replace rake scraper assembly and install new rubber scraper.	15-Jan-20	Bar Screen 1	Removed scraper arm assembly and brought to Raptor Fabrication of new stainless scraper arms. Install new

Page 1 of 4

Work Assignment	Completion Date	Equipment	NOTATIONS
			scraper arms, swing dampers & rubber scrapers.
		Bar Screen 2	
Annual level 2 P/M with oil change this year.		Emergency Generator 1	Altorfer Power Systems performed the annual level 2 P/M and changed the oil this year.
Annual Oil Change Screening Compactors & Conveyor Reducers	16-Jan-20	Bar Screen Rag Compactor	
Procure replacement air relief valve parts for stock.		Centex Discharge Force Main	
Monthly Liquid Status of Under Ground Diesel Tank		Emerg Gen Diesel Storage Tank	
Annual level 2 P/M with oil change this year.		Emergency Generator 2	Altorfer Power Systems performed the annual level 2 P/M and changed the oil this year.
Procure replacement air relief valve parts for stock.		Hobson Discharge Force Main	
LED Lighting upgrade.		Laboratory	Replace all existing florscent bulbs with LED retrofit bulbs. Also purchase bulb recycling kits to recycle all of the old bulbs. Payback on this project is less than 6 months.
Procure replacement air relief valve parts for stock.		Liberty Park Dschrg Force Main	
		Northwest Discharge Force Main	
		Venard Discharge Force Main	
		Wroble Discharge Force Main	
Annual Sensor Test to be performed on UST	17-Jan-20	Emerg Gen Diesel Storage Tank	
9,810 / 19,446 Hours. CHP Engine requires 700 hour oil and filter change	20-Jan-20	CHP Engine Genset #2	Replaced oil and filters with new. Sent oil sample to lab for analysis.
12 Month/10,000 Mile Synthetic Oil Change (2015 Transit) # 310 (Gray)	21-Jan-20	2015 Ford Transit Connect XL	Change oil and filter using mobil 1 full synthetic oil. Rotate tires and check air pressure.
Due for annual level 2 P/M.		Earlston Stationary Generator	Altorfer Power Systems performed the annual level 2 P/M on the generator.
Kaeser air compressor due for annual P/M.		Hobson Lift Station Mixing Sys	Delta Industries performed the annual P/M on the Kaeser air compressor for the blast mixing system.
Due for annual level 2 P/M, Load Bank & ATS Maintenance	22-Jan-20	Liberty Park Stationary Genera	Altorfer Power Systems performed the annual level 2 P/M, load bank & ATS maintenance on the generator.
Replace all 2" air bleed off piping and valves.		RAS Pump 1	Remove rusted out piping. Install new 2" stainless nipples, brass valves and PVC drain piping on all 5 pumps in the discharge elbows for bleeding off air from the volutes.
		RAS Pump 2	
		RAS Pump 3	
		RAS Pump 4	
		RAS Pump 5	
3 Months Inspection on Electric Carts and Front End Loader	23-Jan-20) 2014 Club Car Carry-all #2	
		2016 Club Car Carryall 300	
		2019 Yamaha UMAX 2 AC (#3)	
Due for annual level 2 P/M, Load Bank & ATS Maintenance		College Stationary Generator	Altorfer Power Systems performed the annual level 2 P/M, load bank & ATS maintenance on the generator.
EXCESS 003- Exercise 30" and 24" DEZURIK Valves		Excess Flow 003 Valves	
Wednesday, February 5, 2020			Page 2 of 4

Work Assignment	Completion Date	Equipment	NOTATIONS
Annual Oil Change On Int. Draw- off Valves compressor		Interm Clarifier Sludge Bldg	
Exercising of secondaries 1 and 2 influent gates		Secondary Clarifier 1	
•		Secondary Clarifier 2	
Exercise Ratio Valve #2		Tunnel - System 2 RAS	
500 Hour Oil Change on Pearth 4	24-Jan-20	Digester 4 Mixing System	
Test for H2S at Unison Gas skid	25-Jan-20	CHP Gas Cleaning System	
3 MONTH OIL CHANGE-GRIT BLOWER #3- KAESER		Grit Blower 3 Kaeser	
Re-fill diesel fuel tank.	27-Jan-20	Butterfield Stationary Generat	Assist Feece Oil with delivery of fuel for the generator.
		Centex Stationary Generator	
		College Stationary Generator	
		Earlston Stationary Generator	
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Replace Cyclone liners with new & replace the splash/feed boxes.		Grit Cyclone 1	Disassemble the cyclone, replace all rubber liners & install the new splash/feed boxes.
		Grit Cyclone 2	
Re-fill diesel fuel tank.		Hobson Stationary Generator	Assist Feece Oil with delivery of fuel for the generator.
		Liberty Park Stationary Genera	
		Northwest Stationary Generator	
		Venard Stationary Generator	
ANNUAL FIDE EVENIOUS	20.1.20	Wroble Stationary Generator	
ANNUAL FIRE EXTINGUISHER TAG AND RECIRTIFICATION	28-Jan-20) Maintenance Services Building	Alv C D C C Ld Ld LD 10 DO
Due for annual level 2 P/M, Load Bank & ATS Maintenance		Northwest Stationary Generator	Altorfer Power Systems performed the annual level 2 P/M, load bank & ATS maintenance on the generator.
Due for annual level 2 P/M.	29-Jan-20	Butterfield Stationary Generat	Altorfer Power Systems performed the annual level 2 P/M on the generator.
		Centex Stationary Generator	
Order replacement maintenance parts for stock.		CHP Engine Genset #2	Order replacement maintenance parts for stock.
Paint all heat recovery loop piping and equipment orange.		CHP Heat Recovery System	
Run And Inspect Generators With The Load Of The Plant		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Remodel and paint building for Net-Zero education center.		Excess Flow Pump Station	Frame & drywall new wing wall, complete painting of interior, install TV mount, tint windows, install new Public education center sign.
Wednesday, February 5, 2020			Page 3 of 4

Work Assignment	Completion Equipment Date	NOTATIONS
Replace V-belt on east overhead door.	Maintenance Services Building	Pick up and install a new V-belt on east overhead door opener.
Due for annual level 2 P/M.	30-Jan-20 Hobson Stationary Generator	Altorfer Power Systems performed the annual level 2 P/M on the generator.
Purchase an industrial paint sprayer for WWTC painting projects.	31-Jan-20 Maintenance Services Building	Compare options and pricing from vendors on a new paint sprayer. Purchase a Graco 390 paint sprayer from Sherwin-Williams.

Wednesday, February 5, 2020

DOWNERS GROVE SANITARY DISTRICT MEMO

DATE: February 4, 2020

Nicholas J. Menninga General Manager TO:

FROM: Robert Swirsky

Sewer System Maintenance Supervisor

Monthly Report – January, 2020 RE:

1.	JULIE Line Markings: Received In District	Current 505 452	Year to Date 505 452
	Marked	185	185
	Man Hours	80	80
	Wan Hours	00	00
2.	Building Service:	Current	Year to Date
	a. BSSRAP TV Inspections	17	17
	b. Emergency BSSRAP Repairs	11	11
	c. Total BSSRAP Repairs	15	15
	d. I&I inspections	01	01
	e. I&I C.O. installation	01	01
	f. Replace broken cleanout caps	00	00
	g. OHSP TV Inspections	00	00
	h. Post Rodding TV	04	04
	č		
3.	Sewer backups:	Current	Year to Date
	a. Public sewer	2	2
	b. Private sewer	15	15
	c. Surcharged main	0	0
	d. Pump station	<u>0</u>	<u>0</u>
	Total	1 7	$1\frac{3}{7}$
	1000	1,	1,
		Current	Year to Date
4.	Sewer Cleaning (DGSD personnel):	0	0 Ft.
	a. Sewer Cleaning (outside contractors):	0	0 Ft.
5.	Main Sewer Televising (DGSD personnel)	: 901	901 Ft.
	a. Sewer Televising (outside contractors):	0	0 Ft.
6.	LETS TV	1	1
7.	Manhole inspections	55	55

- 8. Sewer and manhole repairs and replacements by Uno Construction: 2E-030 – clean paving materials out of the invert.
- Miscellaneous: (sewer system personnel) a. Re-locate and upload flow-meters. 9.

 - Winter vehicle and garage maintenance. b.

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

DOWNERS GROVE SANITARY DISTRICT MEMO

DATE: February 4, 2020

TO: Nicholas J. Menninga General Manager

FROM: Ted Cherwak Keith Shaffner

Sewer Construction Supervisor Sewer Construction Inspector

RE: Monthly Report: Sewer Construction \ Code Enforcement – January 2020

1.	Per	mits issued:	Current	Year to Date	
	a.	Single family	4	4	
	b.	Multiple family	0	0	
	c.	Commercial	1	1	
	d.	Repair	1	1	
	e.	Disconnection	<u>7</u>	<u>7</u>	
		Total	13	13	

2.	Insp	pections made:	Current	Year to Date
	a.	Connections	9	9
	b.	Finals	9	9
	c.	Repairs	1	1
	d.	Disconnects	3	3
	e.	Groundwork	0	0
	f.	Walk-Thru	0	0
	g.	Pre-connections	0	0
	h.	Overhead Sewer Program	0	0
	i.	Code Enforcement	1	1
	j.	Lateral testing	7	7
	J	Total	$3\overline{0}$	30

- 3. New Sewer Extension Construction:
 - a. None
- 4. New Sewer Extension Testing air, deflection, manhole, televising and lamping:
 - a. 408 N. Cass Cass Avenue Dream Homes
 - b. 6200 S Cass Market Centre Westmont
- 5. Code Enforcement:
 - a. Grease Trap Inspections
 - b. Flavorchem Grease Trap Pump Down

- 6. Plan & Permit Reviews:
 - a. 203 W Traube, single family review
 - b. 4806 Lee, single family review
 - c. 4341 Saratoga, DG Township Community Building, architectural & site plan review
 - d. 4532 Pershing, Backflow Prevention Vault
 - e. 4329 Douglas, Private cleanout installation
- 7. Building Sanitary Service Access Agreements:
 - a. 203 W Traube, Westmont
- 8. Illinois EPA Permits:
 - a. None
- 9. Waste Hauling Permits Issued:
 - a. None
- 10. Miscellaneous:
 - a. Possible special assessment areas:
 - Puffer Road We are in the midst of doing an informal poll in the area to see if there is a majority interest in moving forward with the project. The returned poll forms to date are 10 No and 3 Yes. Clay will be investigating funding through Illinois EPA for this project.
 - Grant & Lee Baxter and Woodman was on site January 21st and they are currently working on an estimate for the project.
 - b. Hazard Communication Training Completed by Ted Cherwak, Danny Jasso and Keith Shaffner

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

Permits Issued: JANUARY 2020

YEAR	PERMIT #	ADDR	ESS	STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2019	166	607		DAVIS	DG	1/3/2020	SF-RB		\$216.00
2020	1	4532		PERSHING	DG	1/10/2020	REPAIR		
2020	2	3131		FINLEY	DG	1/14/2020	DISCON		
2020	4	301	W	OGDEN	W	1/15/2020	DISCON		
2020	5	305	W	OGDEN	W	1/15/2020	DISCON		
2020	6	4533		WILSON	DG	1/15/2020	DISCON		
2020	7	4806		LEE	DG	1/15/2020	DISCON		
2020	3	203	W	TRAUBE	W	1/21/2020	SF	\$3,192.00	\$216.00
2020	8	5521		FAIRMOUNT	DG	1/22/2020	DISCON		
2020	9	5913		BLODGETT	DG	1/23/2020	DISCON		
2019	159	5257		WASHINGTON	DG	1/30/2020	SF-RB		\$216.00
2020	10	4806		LEE	DG	1/30/2020	SF-RB		\$216.00
2020	12	4341		SARATOGA	DG	1/31/2020	COMM		\$357.00
					т	OTAL:	\$3	3,192.00	\$1,221.00

Permit Final Inspections: JANUARY 2020

YEAR	PERMIT #	ADDRESS	STREET	CITY	FINAL
2018	184	5410	WEBSTER	DG	1/2/2020
2018	157	5525	FAIRMOUNT	DG	1/7/2020
2019	95	5637	MIDDAUGH	DG	1/8/2020
2018	77	1943	HITCHCOCK	DG	1/8/2020
2019	47	4117	WASHINGTON	DG	1/10/2020
2017	47	1307	GILBERT	DG	1/23/2020
2019	73	4337	WASHINGTON	DG	1/29/2020
2019	8	4013	WASHINGTON	DG	1/29/2020
2019	40	4804	WALLBANK	DG	1/31/2020

Progress Report

To: Nick Menninga, General Manager

Amy Underwood, Assistant General Manager

From: Reese Berry, Laboratory Supervisor

Date: February 5, 2020

Re: January 2020 Laboratory Report

We had 1 excess rain sampling event in January. We recorded no permit excursions during January 2020.

Surcharge:

We have 1 sampling week remaining for 2019. I anticipate we will complete the remaining week in the early spring of 2020 before data is uploaded for billing purposes.

Biosolids:

The 2019 Biosolids data was finalized, collected and the annual report was completed and submitted to the US EPA. The finalized report was also forwarded to the IEPA. All data was well below Class A requirements. This report also included data for the sludge hauling projects completed throughout 2019.

Pretreatment Activities:

Dental Amalgam Rule:

We have over 60% participation in the survey we sent out. We are following up with users that didn't respond to the survey to get 100% participation before the deadline in the federal regulation by June 14, 2020.

Personnel:

Kenny Lookingbill and Malwina Serpa attended a 1 day MWAA (Midwest Water Analysts Association) conference/expo in Kenosha, WI this month. Various water/wastewater related topics were presented throughout the day. Also, they were able to discuss our current equipment and its use with techs and sales reps in attendance.



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



STATUS OF 1K-028 INSPECTIONS AND AGREEMENT ACQUISITIONS

Category	Inspections Scheduled	Inspections Completed	Application Received	Agreements Signed	Cleanout Installed	Service Rehab Done	Totals	Total as Percentage
1A	Y	Y	N	Υ	Y	N/A	19	8%
1B	Υ	Υ	N	N	N	N/A	1	0%
2A	Υ	Υ	Υ	Υ	Υ	N	79	35%
2B	Υ	Υ	Υ	Υ	Υ	N	17	7%
2D	Υ	Υ	Υ	N	N	N	3	1%
3A	Υ	Υ	Υ	Υ	N	N	4	2%
4	Υ	Υ	N	N	N	N	39	17%
4A	N	N	N	N	N/A	N	4	2%
5	Υ	N	N	N	N	N	0	0%
5A	Υ	Υ	N	N	N	N	13	6%
5AX	Υ	Υ	N	N	N	N	0	0%
5B	Υ	N	N	N	N	N	12	5%
5BX	Υ	N	N	N	N	N	1	0%
0	N	N	N	N	N	N	30	13%
X	-	-	-	-	-	-	5	2%
5X	-	-	-	-	-	-	1	0%
<u>C:</u>	ategory Descript	tion:					228	100%

Category Description:

1A - PVC service with cleanout(may need to be sealed at the main)

1B - All PVC no Cleanout

2A - Cleanout installed, ready for rehab

2B - Ready for rehab

2D - BSSRAP/OHSP TV done

3A - Released to contractor for cleanout installation

4 - Inspection completed (Program application needed)

4A - Has an existing cleanout

5 - Inspections scheduled

5A - Inspection done - BSSRAP needed (qualifying defects or obstructions seen during TV)

5AX - Violation, BSSRAP needed

5B - Unable to TV

5BX - Unable to TV Violation

0 - Inspection Needed

X - Demolished

5X - Inspection done - Violation not corrected

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

11% Complete

DOWNERS GROVE SANITARY DISTRICT CASH BALANCES AND INVESTMENT SCHEDULE DATE 1/31/2020

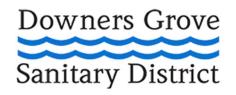
DAI	E 1/31/2020						PREVIOUS MONTH				
CAS	H BALANCES				-	TOTAL BALANCE					
ACC	DUNT NAME	ACCOUNT NUMBE	ER	BALANCE PER BANK STATEMENT		PER BANK STATEMENTS	MONTHLY EARNINGS CREDIT	EARNINGS CREDIT PERCENTAGE			
DISE FLE PAY PET	OSIT BURSEMENT XIBLE BENEFITS ROLL TY CASH R REFUNDS	XXXXXXXXX1116 XXXXXXXXXX1111 XXXXXXXXXX		\$1,054,067.29 233,792.14 9,531.79 147,097.00 3,891.33 3,730.83							
	AL - CASH AT BANK	***************************************		\$1,452,110.38		\$1,351,286.25	\$456.86	0.0338%			
INIVE	STMENTS					GENERAL			DUDUC	SEWER	INTEREST
	FINANCIAL INSTITUTION	TERM	MATURITY	AMOUNT	ANNUAL INT. RATE	CORPORATE FUND (01)	IMPROVEMENT FUND (02)	CONSTRUCTION FUND (03)	PUBLIC BENEFIT FUND (05)	EXTENSION FUND (71)	EARNED AT MATURITY
CD	FIRST MIDWEST BANK 1	I3 MOS	2/15/2020	\$250,000.00	2.570%	\$100,000.00	\$107,719.45		\$35,260.73	\$7,019.82	\$6,960.42
CD		5 MOS	4/9/2020	\$249,990.00	1.800%	, ,	\$249,990.00		****,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$1,874.93
CD	FIRST INTERNET BANK 1	12 MOS	5/13/2020	\$250,000.00	2.750%		\$250,000.00				\$6,875.00
CD	BMO HARRIS BANK 1	I1 MOS	5/17/2020	\$250,000.00	2.469%	\$250,000.00					\$5,658.13
CD	TAB BANK 1	12 MOS	5/23/2020	\$250,000.00	2.470%	\$100,000.00	\$150,000.00				\$6,175.00
CD	LISLE SAVINGS BANK 1	12 MOS	11/7/2020	\$249,000.00	1.990%	\$249,000.00					\$4,955.10
CD	CIT BANK 1	14 MOS	1/9/2021	\$245,000.00	1.700%	\$245,000.00					\$4,859.17
TOTA	L CDs			\$1,743,990.00	2.142%	\$944,000.00	\$757,709.45	\$0.00	\$35,260.73	\$7,019.82	\$37,357.73
TYPE	FINANCIAL INSTITUTION	TERM	LAST ACTION DATE	AMOUNT*	CURRENT RATE OF RETURN						ESTIMATED ANNUAL RETURN
MM	AXOS BANK fka Nationwide Bank	ONGOING	2/15/2019	\$1,179.95	0.300%	\$1,179.95					\$3.54
MM	BANKFINANCIAL	ONGOING	3/13/2013	\$15,495.54	0.500%	\$15,495.54					\$77.48
MM	CIT BANK	ONGOING	11/9/2016	\$5,000.00	0.450%	\$5,000.00					\$22.50
MM	LIMESTONE BANK fka PBI Bank	ONGOING	9/9/2013	\$1,077.00	0.100%	\$1,077.00					\$1.08
MM	LISLE SAVINGS BANK	ONGOING	9/2/2015	\$1,000.91	0.400%	\$1,000.91					\$4.00
MM	LUANA SAVINGS BANK	ONGOING	2/15/2019	\$2,509.47	0.550%	\$2,509.47					\$13.80
MM	ROYAL BANK fka Park Fed Saving	s ONGOING	12/4/2012	\$1,152.34	0.149%	\$1,152.34					\$1.72
MM	STEARNS BANK	ONGOING	9/1/2015	\$250,000.00	1.750%	\$250,000.00					\$4,375.00
MM	TRISTATE CAPITAL BANK	ONGOING	11/9/2016	\$10.00	0.000%		\$10.00				\$0.00
MM	WEST SUBURBAN BANK	ONGOING	11/20/2012	\$5,143.17	0.050%		\$5,143.17				\$2.57
TOTA	L MM ACCOUNTS			\$282,568.38	1.593%	\$277,415.21	\$5,153.17	\$0.00	\$0.00	\$0.00	\$4,501.69
ILLIN	OIS FUNDS - MONEY MARKET			\$2,965,025.58	1.685%	\$1,801,578.88	\$355,388.75	\$808,057.95	\$0.00	\$0.00	\$49,960.68
TOTA	L - ALL INVESTMENTS			\$4,991,583.96	1.839%	\$3,022,994.09	\$1,118,251.37	\$808,057.95	\$35,260.73	\$7,019.82	\$91,820.10

TOTAL CASH AND INVESTMENTS

\$6,443,694.34

^{*}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



General Manager Nicholas J. Menninga

Legal CounselMichael G. Philipp

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

Providing a Better Environment for South Central Du Page County

Memo

To: Board of Trustees

From: Nick Menninga, General Manager

Date: February 7, 2020

Subject: Treasurer's Report for January 2020

Attached please find the subject report that tracks income and expenses for the first nine months of Fiscal Year 19-20.

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

Year-to-date	Income	Expense
General Fund	\$ 7,313,321.59 (page 1)	\$ 6,231,416.52 (page 6)
Improvement Fund	\$ 70,483.18 (page 7)	\$ 49,463.02 (page 7)
Construction Fund	\$ 624,282.88 (page 8)	\$ 14,403.64 (page 9)
Public Benefit Fund	\$ 683.59 (page 10)	\$ 0.00 (page 10)
TOTAL	\$ 8,008,771.24	\$ 6,295,283.18

NJM, ARU

C: BOLI, WCC, MGP

Downers Grove Sanitary District Date: 02/05/2020

Treasurer's Report Recap for Month Ending 01/31/20 Page: 1

Fund	nun	ıbe	er & Description	Ending			
				Fund B	alance		
Fund	01	:	GENERAL FUND	\$4,359,	550.19		
Fund	02	:	IMPROVEMENT FUND	\$1,182,	649.04		
Fund	03	:	CONSTRUCTION FUND	\$925,	250.39		
Fund	05	:	PUBLIC BENEFIT FUND	\$37,	152.38		
			-				
Recar	ТС	ta	als	\$6,504,	602.00		

DATE 02/05/20 PAGE 1 MONTH ENDED 01/31/20 FUND 01 GENERAL FUND

	ACTUAL	BUDGET			ACTUAL-		
COST	CURRENT	CURRENT	ACTUAL	BUDGET	BUDGET	VAR	TOTAL
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	%	BUDGET
	========	=======	=========	=======	-========	=======	
DEPT 05 REVENUES							
3000 PROPERTY TAXES	8.60-	0	1,219,195.83-	1,188,550-	30,645.83-	2.6	1,188,550-
3001 USER RECEIPTS	246,960.55-	306,675-	2,371,285.37-	2,561,151-	189,865.63	7.4-	3,315,400-
3002 SURCHARGES	36,645.34-	27,083-	264,864.36-	243,747-	21,117.36-	8.7	325,000-
3004 PLAN REVIEW FEES	.00	0	417.66-	750-	332.34	44.3-	1,000-
3005 CONSTRUCTION INSPECTION FEES	.00	0	.00	360-	360.00	100.0-	500-
3006 PERMIT INSPECTION FEES	2,160.00-	1,833-	21,263.00-	16,497-	4,766.00-	28.9	22,000-
3007 INTEREST ON INVESTMENTS	4,666.39-	2,917-	39,931.97-	26,253-	13,678.97-	52.1	35,000-
3013 SAMPLING AND MONITORING	9,355.49-	5,833-	79,148.54-	52,497-	26,651.54-	50.8	70,000-
3014 REPLACEMENT TAXES	13,711.38-	9,000-	76,535.37-	55,200-	21,335.37-	38.7	75,000-
3015 MISCELLANEOUS INCOME	8,000.00-	833-	11,481.89-	7,497-	3,984.89-	53.2	10,000-
3021 TELEVISION INSPECTION	.00	0	.00	150-	150.00	100.0-	150-
3023 PROPERTY LEASE PAYMENTS	2,878.78-	2,792-	25,819.17-	25,128-	691.17-	2.8	33,500-
3024 MONTHLY SERVICE FEES	329,820.31-	382,495-	3,048,253.73-	3,068,103-	19,849.27	.7-	4,069,100-
3027 GREASE WASTE	14,408.00-	18,333-	151,402.60-	164,997-	13,594.40	8.2-	220,000-
3040 RENEWABLE ENERGY CREDITS	.00	750-	3,722.10-	2,250-	1,472.10-	65.4	3,000-
DEPT 05 TOTALS	668,614.84-	758,544-	7,313,321.59-	7,413,130-	99,808.41	1.4- 9	9,368,200-
FUND REVENUE TOTAL	668,614.84-		7,313,321.59-		99,808.41		9,368,200-
SECT A SALARIES AND WAGES	0.0	0	12 500 00	12 500	0.0	0	10 000
A001 TRUSTEES	.00	0	13,500.00	13,500	.00	.0	18,000
A002 BOLI	.00	0	.00	675	675.00-	100.0-	900
A003 GENERAL MANAGEMENT	31,942.71	37,040	237,740.74	353,038	115,297.26-	32.7-	463,000
A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS	14,727.74	15,472	161,342.97	147,468	13,874.97	9.4	193,400
A005 ADMINISTRATIVE RECORDS A006 ENGINEERING	1,740.91 448.16	4,920	23,846.89 5,998.07	46,894 0	23,047.11- 5,998.07	49.2-	61,500 0
A007 CODE ENFORCEMENT	32,764.64	28,344	310,078.87	270,154	39,924.87	.0 14.8	354,300
A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES	1,422.86	20,344	•	·	4,728.78	243.3	
A008 SAFETY ACTIVITIES A030 BUILDING AND GROUNDS	•	204	6,672.78	1,944	,		2,550 0
AU30 BUILDING AND GROUNDS	.00	-	301.91 =======	•	301.91 	.0	
SECT A TOTALS	83,047.02	85,980	759,482.23	833,673	74,190.77-	8.9- 1	1,093,650
SECT B OPERATIONS AND MAINTENANCE	=========	=======	=========	========		=======	
B100 ELECTRICITY	442.08	300	2,332.66	3,300	967.34-	29.3-	4,000
B101 NATURAL GAS	176.40	350	755.46	2,100	1,344.54-	64.0-	3,000
B102 WATER, GARBAGE AND OTHER UTILITIES	67.69	180	698.05	970	271.95-	28.0-	1,150
B110 BANK CHARGES	1,552.00	1,541	10,482.63	13,869	3,386.37-	24.4-	18,500
B112 COMMUNICATION	1,461.52	1,333	12,137.52	11,997	140.52	1.2	16,000
B115 EQUIPMENT/EQUIPMENT REPAIR	2,075.74	5,100	50,347.94	66,200	15,852.06-	24.0-	81,500
B116 SUPPLIES	1,127.04	608	6,672.35	5,472	1,200.35	21.9	7,300
B117 EMPLOYEE/DUTY COSTS	1,124.87	1,083	15,714.43	9,747	5,967.43	61.2	13,000
B118 BUILDING AND GROUNDS	814.77	2,000	17,635.46	20,000	2,364.54-	11.8-	24,000
B119 POSTAGE	15.51	958	3,203.27	8,622	5,418.73-	62.9-	11,500
B120 PRINTING/PHOTOGRAPHY	.00	300	7,550.63	10,500	2,949.37-	28.1-	11,400
	.50	300	.,550.05	,,,,,,	_,,,,,,,	_0.1	,,

DATE 02/05/20 MONTH ENDED 01/31/20 PAGE 2 FUND 01 GENERAL FUND

COST NUMBER DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
B121 USER BILLING MATERIALS	6,076.68	6,208	44,435.08	======================================	11,436.92-	20.5-	74,500
B124 CONTRACT SERVICES	1,555.10	9,975	56,935.45	89,775	32,839.55-		119,700
B137 MEMBERSHIPS/SUBSCRIPTIONS	.00	350	7,933.00	9,270	1,337.00-	14.4-	10,700
	========		· :=========		· =========	=======	
SECT B TOTALS	16,489.40	30,286	236,833.93	307,694	70,860.07-	23.0-	396,250
SECT C VEHICLES							
C222 GAS/FUEL	109.23	175	963.19	1,275	311.81-	24.5-	1,800
C225 OPERATION/REPAIR	87.96	0	2,017.91	1,050	967.91	92.2	1,400
SECT C TOTALS	197.19	175	2,981.10	2,325	656.10	28.2	3,200
DEPT 11 TOTALS	99,733.61	116,441	999,297.26	1,143,692	144,394.74-	12.6- 1	,493,100
DEPT 12 O & M EXPENSES - WWTC							
SECT A SALARIES AND WAGES							
A006 ENGINEERING	3,960.27	0	19,177.72	0	19,177.72	.0	0
A009 OPERATIONS MANAGEMENT	9,362.31	1,876	80,495.29	17,881	62,614.29	350.2	23,450
A010 MAINTENANCE - BUDGET	.00	46,608	.00	444,233	56,316.51-	12.7-	582,600
A011 MAINTENANCE - WWTC	30,318.13	0	298,123.68	0	.00	.0	0
A012 MAINTENANCE - VEHICLES	89.55	0	3,325.76	0	.00	.0	0
A013 MAINTENANCE - ENERGY RECOVERY	714.95	0	13,711.57	0	.00	.0	0
A014 MAINTENANCE - ELECTRICAL	12,710.30	0	72,755.48	0	.00	.0	0
A020 WWTC - BUDGET	.00	49,392	.00	470,768	44,798.15-	9.5-	617,400
A021 WWTC - OPERATIONS	26,692.01	0	272,940.52	0	.00	.0	0
A022 WWTC - SLUDGE HANDLING	12,903.21	0	144,110.18	0	.00	.0	0
A023 WWTC - ENERGY RECOVERY	673.37	0	8,919.15	0	.00	.0	0
A030 BUILDING AND GROUNDS	6,920.30	4,040	63,513.26	38,506	25,007.26	64.9	50,500
SECT A TOTALS	104,344.40	101,916	977,072.61	971,388	5,684.61	.6 1	,273,950
SECT B OPERATIONS AND MAINTENANCE	=========			========	=========	=======	:=======
B100 ELECTRICITY	18,882.94	5,000	52,746.04	55,000	2,253.96-	4.1-	72,000
B101 NATURAL GAS	1,395.55	2,000	4,084.44	7,500	3,415.56-	45.5-	12,000
B102 WATER, GARBAGE AND OTHER UTILITIES	1,362.83	4,500	12,977.59	26,600	13,622.41-	51.2-	33,000
B103 ODOR CONTROL	25,987.59	700	30,472.50	22,800	7,672.50	33.7	30,000
B104 FUEL - GENERATORS	195.00	0	3,382.48	11,625	8,242.52-	70.9-	15,500
B112 COMMUNICATION	2,332.53	1,458	12,884.86	13,122	237.14-	1.8-	17,500
B113 EMERGENCY/SAFETY EQUIPMENT	793.39	1,433	9,052.05	12,897	3,844.95-	29.8-	17,200
B116 SUPPLIES	970.80	2,479	25,505.30	22,311	3,194.30	14.3	29,750
B117 EMPLOYEE/DUTY COSTS	2,059.24	2,000	15,324.13	19,500	4,175.87-	21.4-	25,000
B124 CONTRACT SERVICES	.00	0	203,705.00	203,700	5.00	.0	203,700
B130 NPDES PERMIT FEES	.00	0	53,000.00	53,000	.00	.0	53,000
B131 SLUDGE HAULING/DISPOSAL SERVICES	.00	0	93,304.75	80,000	13,304.75	16.6	80,000
B400 CHEMICALS - BUDGET	.00	9,308	.00	83,772	16,798.11	20.1	111,700
B401 CHEMICALS - DISINFECTION	.00	0	54,668.98	0	.00	.0	0
B402 CHEMICALS - SLUDGE DEWATERING	4,285.09	0	32,465.97	0	.00	.0	0
B403 CHEMICALS - TERTIARY TREATMENT	.00	0	3,855.78	0	.00	.0	0

DATE 02/05/20 MONTH ENDED 01/31/20 PAGE 3 FUND 01 GENERAL FUND

COST NUMBER DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR ۶	TOTAL BUDGET
B404 CHEMICALS - OTHER	.00	7 (51	9,579.38	0	.00	.0	0
B501 EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS	1,497.34	7,651	61,636.08	68,859	7,222.92-	10.5-	91,809
B502 EQPT/EQPT REPAIR - DISINFECTION	506.61	1,108	40,511.24	9,972	30,539.24	306.3	13,301
B503 EQPT/EQPT REPAIR - EXCESS FLOW	1,335.62	4,020	47,620.12	36,180	11,440.12	31.6	48,241
B504 EQPT/EQPT REPAIR - GRIT REMOVAL	17,436.27	3,213	34,985.88	28,917	6,068.88	21.0	38,551
B505 EQPT/EQPT REPAIR - INFLUENT PUMPING	26.30	2,700	22,034.23	42,900	20,865.77-	48.6-	51,051
B506 EQPT/EQPT REPAIR - PRIMARY TREATMENT	888.22	3,646	25,617.52	32,814	7,196.48-	21.9- 130.2	43,751 85,176
B507 EQPT/EQPT REPAIR - SECONDARY TREATMENT	52,844.61	3,500	171,458.34	74,500	96,958.34		
B508 EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	1,637.50	63,134	60,331.74	568,206	507,874.26-	89.4-	757,606
B509 EQPT/EQPT REPAIR - SLUDGE DEWATERING	80.02	2,092	23,943.01	18,828	5,115.01	27.2	25,101 61,201
B510 EQPT/EQPT REPAIR - SLUDGE DIGESTION	691.47	5,100	44,679.90	45,900	1,220.10-	2.7-	·
B511 EQPT/EQPT REPAIR - TERTIARY TREATMENT	.00	2,038	423.58	18,342	17,918.42-	97.7- 28.7-	24,451
B512 EQPT/EQPT REPAIR - WWTC GENERAL	1,844.88	2,747	17,636.19	24,723	7,086.81-		32,961
B513 EQPT/EQPT REPAIR - WWTC UTILITIES	2,357.48	11,158	88,013.80	100,422	12,408.20-	12.4-	133,900
B802 BLDG AND GROUNDS - DISINFECTION	11,693.91	43	11,758.23	387	11,371.23	•	514
B803 BLDG AND GROUNDS - EXCESS FLOW	.00	86	392.00	774	382.00-	49.4-	1,029
B804 BLDG AND GROUNDS - GRIT REMOVAL	.00	419	11,000.00	3,771	7,229.00	191.7	5,029
B805 BLDG AND GROUNDS - INFLUENT PUMPING	5,518.67	1,020	6,791.92	9,180	2,388.08-	26.0-	12,239
B806 BLDG AND GROUNDS - PRIMARY TREATMENT	.00	429	.00	3,861	3,861.00-	100.0-	5,149
B807 BLDG AND GROUNDS - SECONDARY TREATMENT	.00	86	670.07	774	103.93-	13.4-	1,029
B809 BLDG AND GROUNDS - SLUDGE DEWATERING	.00	1,044	64.10	9,396	9,331.90-	99.3-	12,529
B810 BLDG AND GROUNDS - SLUDGE DIGESTION	.00	675	10,217.08	6,075	4,142.08	68.2	8,103
B811 BLDG AND GROUNDS - TERTIARY TREATMENT	.00	4,179	40,658.81	37,611	3,047.81	8.1	50,148
B812 BLDG AND GROUNDS - WWTC GENERAL	3,272.00	10,000	121,464.02	130,000	8,535.98-	6.6-	160,388
B813 BLDG AND GROUNDS - WWTC UTILITIES	.00	129	.00	1,161	1,161.00-	100.0-	1,543
SECT B TOTALS	159,895.86	159,095	1,458,917.11	1,885,380	426,462.89-	22.6- 2	2,365,150
= SECT C VEHICLES							
C222 GAS/FUEL	749.30	2,500	14,528.41	22,500	7,971.59-	35.4-	30,000
C225 OPERATION/REPAIR	254.26	625	4,210.70	5,625	1,414.30-	25.1-	7,500
C226 VEHICLE PURCHASES	.00	0	42,746.36	41,000	1,746.36	4.3	41,000
SECT C TOTALS				69,125	 7,639.53-	11.1-	78,500
	1,003.56	3,125	61,485.47				
= DEPT 12 TOTALS	265,243.82				428,417.81-		
	,				==========		
DEPT 13 O & M EXPENSES - LABORATORY							
SECT A SALARIES AND WAGES							
A009 OPERATIONS MANAGEMENT	6,587.75	5,168	54,427.69	49,258	5,169.69	10.5	64,600
A040 LABORATORY - BUDGET	.00	13,668	.00	130,273	4,926.87-	3.8-	170,850
A041 LAB - WWTC	9,744.61	0	106,329.56	0	.00	.0	0
A042 LAB - PRETREATMENT	747.33	0	9,239.84	0	.00	.0	0
A043 LAB - SURCHARGE PROGRAM	660.86	0	5,240.75	0	.00	.0	0
A044 LAB - BOD	.00	0	192.57	0	.00	.0	0
A047 LAB - MICRO	.00	0	43.34	0	.00	.0	0
A048 LAB - ENERGY RECOVERY	319.13	0	4,300.07	0	.00	.0	0
SECT A TOTALS	18,059.68	18,836			242.82		
=	========	=======		========			=======

DATE 02/05/20 MONTH ENDED 01/31/20 PAGE 4 FUND 01 GENERAL FUND

COST NUMBER DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
SECT B OPERATIONS AND MAINTENANCE							
B114 CHEMICALS	.00	1,433	9,914.09	12,897	2,982.91-	23.1-	17,200
B115 EQUIPMENT/EQUIPMENT REPAIR	1,460.00	1,350	12,531.55	12,150	381.55	3.1	16,200
B116 SUPPLIES	466.62	1,729	9,194.33	15,561	6,366.67-	40.9-	20,750
B117 EMPLOYEE/DUTY COSTS	350.00	458	1,392.69	4,122	2,729.31-	66.2-	5,500
B122 MONITORING EQUIPMENT	.00	0	333.53	6,750	6,416.47-	95.1-	9,000
B123 OUTSIDE LAB SERVICES	2,464.40	1,588	12,945.84 ========	14,292 =======	1,346.16-	9.4- =======	19,050 ======
SECT B TOTALS	4,741.02	6,558	46,312.03	65,772	19,459.97-	29.6-	87,700
SECT C VEHICLES							
C222 GAS/FUEL	29.50	42	388.02	378	10.02	2.7	500
C225 OPERATION/REPAIR	.00	0	1,210.96	150	1,060.96	707.3	200
SECT C TOTALS	29.50	42	1,598.98	528	1,070.98	202.8	700
DEPT 13 TOTALS	22,830.20	25,436	227,684.83	245,831	18,146.17-	7.4-	323,850
DEPT 14 O & M EXPENSES - SEWER SYSTEM	=========	========	========		=========	======	=======
SECT A SALARIES AND WAGES							
A006 ENGINEERING	186.33	0	6,769.26	0	6,769.26	.0	0
A050 SEWER MAINTENANCE - BUDGET	.00	13,068	.00	124,554	17,088.69	13.7	163,350
A051 SEWER MAINTENANCE	14,432.61	0	133,111.73	0	.00	.0	0
A054 SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	880.28	0	8,530.96	0	.00	.0	0
A060 INSPECTION - BUDGET	.00	21,704	.00	206,866	52,689.46-	25.5-	271,300
A061 INSPECTION - NEW CONSTRUCTION	.00	0	1,056.44	0	.00	.0	0
A062 INSPECTION - CONSTRUCTION OF DGSD PROJECTS	5,005.05	0	30,596.45	0	.00	.0	0
A063 INSPECTION - PERMIT INSPECTIONS	1,048.11	0	9,879.59	0	.00	.0	0
A064 INSPECTION - MISCELLANEOUS	3,634.31	0	41,431.35	0	.00	.0	0
A065 INSPECTION - CONSTR BY VILLAGES, UTILITIES	4,127.95	0	59,080.72	0	.00	. 0	0
A066 INSPECTION - CODE ENFORCEMENT	1,145.58	0	12,131.99	0	.00	. 0	0
A070 SEWER INVESTIGATIONS - BUDGET	.00	972	.00	9,264	5,777.52-	62.4-	12,150
A072 SEWER INVESTIGATIONS	394.27	0	3,486.48	0 	.00	.0 ======	0 ======
SECT A TOTALS	30,854.49	35,744	306,074.97		34,609.03-		446,800
SECT B OPERATIONS AND MAINTENANCE							
B112 COMMUNICATION	636.44	875	6,148.61	7,875	1,726.39-	21.9-	10,500
B113 EMERGENCY/SAFETY EQUIPMENT	197.91	425	804.36	3,825	3,020.64-	79.0-	5,050
B115 EQUIPMENT/EQUIPMENT REPAIR	2,903.49	3,788	36,711.07	34,092	2,619.07	7.7	45,450
B116 SUPPLIES	56.67	458	2,797.23	4,122	1,324.77-	32.1-	5,500
B117 EMPLOYEE/DUTY COSTS	799.14	1,125	6,185.11	10,125	3,939.89-	38.9-	13,500
B124 CONTRACT SERVICES	.00	11,008	118,121.79	99,072	19,049.79	19.2	132,100
B127 JULIE SYSTEM	4,185.36	1,408	12,303.24	12,672	368.76-	2.9-	16,900
B128 OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM		1,250	6,088.00	11,250	5,162.00-	45.9-	15,000
B129 REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAG		1,000	501.70	9,000	8,498.30-	94.4-	12,000
B900 SEWER SYSTEM REPAIRS - BUDGET	.00	100,000		1,180,000	388,416.69-		1,481,600
B901 SEWER SYSTEM REPAIRS - I/I PROGRAM	132.00	0	264.00	0	.00	.0	0

DATE 02/05/20 MONTH ENDED 01/31/20 PAGE 5 FUND 01 GENERAL FUND

COST	ACTUAL CURRENT	BUDGET CURRENT	ACTUAL	BUDGET	ACTUAL- BUDGET	VAR	TOTAL
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	%	BUDGET
B902 SEWER SYSTEM REPAIRS - REPLACEMENT	2,172.02	0	28,913.07	0	.00	.0	0
B903 SEWER SYSTEM REPAIRS - REHABILITATION	.00	0	251,650.46	0	.00	.0	0
B910 SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	36,391.50	0	416,427.23	0	.00	.0	0
B913 SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/R	322.09	0	3,532.96	0	.00	.0	0
B929 ARRA LOAN PRINCIPAL REPAYMENT	.00	0	90,795.59	0	.00	.0	0
SECT B TOTALS	48,298.32	121,337	981,244.42	1,372,033	390,788.58-	28.5- 1	1,737,600
SECT C VEHICLES	========	:=======	========	=======	========	======	
C222 GAS/FUEL	744.38	2,208	10,406.87	19,872	9,465.13-	47.6-	26,500
C225 OPERATION/REPAIR	456.50	542	9,110.59	4,878	4,232.59	86.8	6,500
C226 VEHICLE PURCHASES	.00	0	25,720.00	20,000	5,720.00	28.6	20,000
SECT C TOTALS	1,200.88	2,750	45,237.46	44,750	487.46 =======	1.1	53,000
=:		:=======		========		======	
DEPT 14 TOTALS	80,353.69	·	1,332,556.85		424,910.15-		2,237,400
DEPT 15 O & M EXPENSES - LIFT STATIONS	========	-======	========	=======		======	
SECT A SALARIES AND WAGES							
A006 ENGINEERING	.00	0	1,024.22	0	1,024.22	.0	0
A009 OPERATIONS MANAGEMENT	152.27	36	3,696.95	343	3,353.95	977.8	450
A030 BUILDING AND GROUNDS	536.35	0	3,063.99	0	3,063.99	.0	0
A080 LIFT STATION MAINTENANCE	2,469.88	5,604	42,368.73	53,413	11,044.27-	20.7-	70,050
SECT A TOTALS	3,158.50	5,640 	50,153.89	53,756	3,602.11- =======	6.7-	70,500
SECT B OPERATIONS AND MAINTENANCE							
B100 ELECTRICITY	10,305.70	10,288	94,573.90	92,592	1,981.90	2.1	123,450
B104 FUEL - GENERATORS	.00	0	.00	3,750	3,750.00-	100.0-	5,000
B112 COMMUNICATION	362.50	458	3,310.97	4,122	811.03-	19.7-	5,500
B113 EMERGENCY/SAFETY EQUIPMENT	.00	0	273.73	250	23.73	9.5	250
B116 SUPPLIES	26.82	0	39.58	360	320.42-	89.0-	400
B520 EQPT/EQPT REPAIR - BUTTERFIELD	134.99	165	134.99	1,485	1,350.01-	90.9-	1,981
B521 EQPT/EQPT REPAIR - CENTEX	.00	379	859.35	3,411	2,551.65-	74.8-	4,551
B522 EQPT/EQPT REPAIR - COLLEGE	.00	274	10,005.36	2,466	7,539.36	305.7	3,283
B523 EQPT/EQPT REPAIR - EARLSTON	857.81	6,004	6,224.81	54,036	47,811.19-	88.5-	72,051
B524 EQPT/EQPT REPAIR - HOBSON	.00	343	.00	3,087	3,087.00-	100.0-	4,119
B525 EQPT/EQPT REPAIR - LIBERTY PARK	.00	335	2,249.99	3,015	765.01-	25.4-	4,014
B526 EQPT/EQPT REPAIR - NORTHWEST	.00	2,252	16,266.35	20,268	4,001.65-	19.7-	27,021
B527 EQPT/EQPT REPAIR - VENARD	.00	268	1,731.08	2,412	680.92-	28.2-	3,217
B528 EQPT/EQPT REPAIR - WROBLE B529 EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	.00 2,034.78	169 4,078	15,988.18 2,379.87	1,521 36,702	14,467.18 34,322.13-	951.2 93.5-	2,033 48,930
B820 BLDG AND GROUNDS - BUTTERFIELD	.00	4,078	1,094.30	36,702	1,094.30	.0	48,930
B821 BLDG AND GROUNDS - CENTEX	.00	0	1,110.30	0	1,110.30	.0	0
B823 BLDG AND GROUNDS - CENTEX B823 BLDG AND GROUNDS - EARLSTON	.00	0	1,084.30	0	1,084.30	.0	0
B824 BLDG AND GROUNDS - HOBSON	.00	0	7,367.30	0	7,367.30	.0	0
B825 BLDG AND GROUNDS - LIBERTY PARK	.00	0	1,124.30	0	1,124.30	.0	0
B826 BLDG AND GROUNDS - NORTHWEST	.00	1,250	18,593.34	11,250	7,343.34	65.3	15,000

DATE 02/05/20 MONTH ENDED 01/31/20 PAGE 6 FUND 01 GENERAL FUND

COST NUMBER DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
B827 BLDG AND GROUNDS - VENARD	.00	0	1,110.30	 0	1,110.30	.0	0
B828 BLDG AND GROUNDS - WROBLE	6,500.00	0	37,789.52	17,500	20,289.52	115.9	17,500
B829 BLDG AND GROUNDS - LIFT STATIONS GENERAL	.00	1,200	124.41	10,800	10,675.59-	98.9-	14,400
SECT B TOTALS	20,222.60	27,463	223,436.23	269,027 ======		17.0- ======	352,700 ======
DEPT 15 TOTALS	23,381.10	33,103	273,590.12	322,783	49,192.88-	15.2-	423,200
DEPT 17 O & M EXPENSES - INSURANCE & EMPLOY		:=======		=======		======	=======
SECT E INSURANCE AND EMPLOYEE BENEFITS							
E452 LIABILITY/PROPERTY	1,557.13	0	190,318.96	192,500	2,181.04-	1.1-	192,500
E455 EMPLOYEE GROUP HEALTH	39,610.25	44,104	356,611.28	396,936	40,324.72-	10.2-	529,250
E460 IMRF	21,031.49	20,385	191,193.48	206,068	14,874.52-	7.2-	277,350
E461 SOCIAL SECURITY	17,645.60	18,906	162,688.55	176,150	13,461.45-	7.6-	235,150
SECT E TOTALS	79,844.47	83,395	900,812.27	971,654 ======	70,841.73-	7.3-	1,234,250
DEPT 17 TOTALS	79,844.47	83,395	900,812.27	971,654	•	7.3-	1,234,250
DEPT 91 SA EXPENSE	========			=======		======	=======
DEPT 91 TOTALS	.00	0	.00	0	.00	(0
FUND EXPENSE TOTAL	571,386.89	682,342	6,231,416.52	7,367,320	1,135,903.48-	15.4-	9,429,400
FUND 01 TOTALS	97,227.95-	76,202-	1,081,905.07-	45,810-	1,036,095.07-2	,261.7	61,200

TREASURER'S REPORT

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FUND 02 IMPROVEMENT FUND

COST NUMBER DESCRIPTIONDEPT 05 REVENUES	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET	
3007 INTEREST ON INVESTMENTS		1,429-				
3010 TRUNK SEWER SERVICE CHARGES 3019 LATERAL SEWER CHARGE	6,460.00-	0	42,747.14- 8,519.00-	0	0	
DEPT 05 TOTALS	8,480.38-	8,929-	70,483.18-	80,361-	107,150-	
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	TION UPGRADE					
DEPT 36 TOTALS	.00	0	.00	0	0	
DEPT 74 CAPITAL EXP - SEWER - UNSEWERED ARE			========	:=======		
0500 PROJECT BUDGET	.00	0	.00	0	7,500	
0501 REPORT ENGINEERING/ARCHITECTURAL	.00	0	2,867.50	0	0	
DEPT 74 TOTALS	.00	0	2,867.50	0	7,500	
FUND EXPENSE TOTAL	.00	0	49,463.02	46,600	100,700	
FUND 02 TOTALS	8,480.38-		21,020.16-		6,450-	

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FUND 03 CONSTRUCTION FUND

NUMBER	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET	
DEPT 05	REVENUES	=========	-========	========	=======	:=======	
3007 INTERES 3009 SEWER I 3093 GRANT I		1,169.94- 19,732.00- .00	20,833-	6,499.18- 142,783.70- 475,000.00-	187,497- 0	250,000- 500,000-	
DEPT 05	5 TOTALS	20,901.94-	21,666-	624,282.88-	194,994-	760,000-	
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENT		-========	========	=======	:=======	
0500 PROJECT	BUDGET ON LOAN PRINCIPAL	.00	0 0	.00 14,403.64	14,450 0	28,900 0	
DEPT 30	TOTALS	.00	0	14,403.64	14,450	28,900	
DEPT 31	CAPITAL EXP - WWTC - CHP BIOGAS	=========	=======	=======			
DEPT 31	. TOTALS	.00	0	.00	0	0	
DEPT 32	CAPITAL EXP - WWTC - SECOND TURBOBL	OWER					
DEPT 32	? TOTALS	.00	0	.00	0	0	
DEPT 33	CAPITAL EXP - WWTC - DIGESTER MIXIN	G/GAS PIPING					
DEPT 33	TOTALS	.00	0	.00	0	0	
DEPT 34	CAPITAL EXP - WWTC - GREASE WASTE D	ELIVERY RAMP					
DEPT 34	TOTALS	.00	0	.00	0	0	
DEPT 35	CAPITAL EXP - WWTC - CHP BIOGAS PHA	SE 2					
DEPT 35	TOTALS	.00	0	.00	0	0	
DEPT 37	CAPITAL EXP - WWTC - GREASE RECEIVI	NG STATN NO2					
DEPT 37	TOTALS	.00	0	.00	0	0	
DEPT 38	CAPITAL EXP - WWTC - PROPERTY ACQUI	SITION					
DEPT 38	3 TOTALS	.00	0	.00	0		

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FUND 03 CONSTRUCTION FUND

FUND 03 TOTALS

			ACTUAL	BUDGET				
		COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL	
NUMBER	DESCRIPTION		MONTH	MONTH	Y-T-D	Y-T-D	BUDGET	
DEPT 39	CAPITAL EXP	- WWTC - GRIT BLOWER REPI	LACEMENT		=======		========	
		=:		========	=========	========	========	:==========
DEPT	39 TOTALS		.00	0	.00	0	0	
DEPT 40	CAPITAL EXP	=: - WWTC - LOAN REPAYMENT		:=======	=======	=======		
DEPT	40 TOTALS	=:	.00	0	.00	0	0	
FUND	EXPENSE TOTAL	_	.00	0	14,403.64	14,450	28,900	

20,901.94- 21,666- 609,879.24- 180,544- 731,100-

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FUND 05 PUBLIC BENEFIT FUND

FUND 05 TOTALS

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET	
========			.=======	=========	.=======	=======	========	
DEPT 05	REVENUES							
3007 INTERE	ST ON INVESTME	ENTS	77.06-	46-	683.59-	414-	550-	
DEPT 0	5 TOTALS		77.06-	46-	683.59-	414-	550-	
DEPT 59	CAPITAL EXP	- SEWER - SEWER EXTENSION	:======= IS	========		=======	=======	
DEPT 5	9 TOTALS	==	.00	0	.00	0 	0 	
DEPT 65	CAPITAL EXP	- SEWER - REIMB FOR ADDEL) DEPTH					
		==				=======	=======	
DEPT 6	5 TOTALS	==	.00	0	.00	0	0	
FUND E	XPENSE TOTAL	==	.00	0	.00	0	0	

77.06- 46- 683.59- 414- 550-

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FUND 58 SPECIAL ASSESSMENT NO. 58

		ACTUAL	BUDGET				
	COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL	
NUMBER	DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	BUDGET	
=======		========		========		=======	
DEPT 05	REVENUES						
3008 INTERE	EST ON ASSESSMENTS	.00	0	327.46-	0	0	
DEPT 0	D5 TOTALS	.00	0	327.46-	0	0	
DEPT 91	SA EXPENSE	=========			=======	=======	
		========	.=======	========	=======	=======	
DEPT 9	1 TOTALS	.00	0	.00	0	0	
		========		=========	=======	=======	=======================================
FUND E	EXPENSE TOTAL	.00	0	.00	0	0	
FUND 5	58 TOTALS	.00	0	327.46-	0	0	

DATE 02/05/20 MONTH ENDED 01/31/20 PAGE 12

FUND 71 SEWER EXTENSIONS ESCROW

FUND 71 TOTALS

NUMBER	COST DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET	
DEPT 05 3007 INTERE	REVENUES ST ON INVESTMENTS	15.30-	. 0	135.76-	0	0	
DEPT 0	5 TOTALS SEWER EXPENSE	15.30-	· 0	135.76-	0	0	=======
DEPT 9	2 TOTALS	.00	0	.00	0	0	
FUND E	XPENSE TOTAL	.00	0	.00	0	0	

15.30- 0 135.76- 0 0

GENERAL MANAGER'S REPORT TO EMPLOYEES

WWTC Operations Data – December

The DMR for December indicates that the final effluent averaged 0.80 CBOD, 0.60 mg/l suspended solids and 0.12 mg/l ammonia nitrogen over a daily average flow of 10.34 MGD. There were no permit excursions in December.

Financial Data – December

In December, the District received \$757,327 in the General fund, including \$291,248 in user charges, \$25,101 in surcharges and \$391,658 in monthly fees. General fund expenses totaled \$574,449. The Improvement fund had revenues of \$1,983 and expenses of \$0. The Construction fund had revenues of \$4,387 and expenses of \$0.

Sewer Permits – December

There were 8 sewer permits issued in December – 5 single family, 1 commercial, and 2 repairs.

Personnel

We are currently advertising for a new Permit Technician position. Please direct all interested persons for this position to submit an application electronically through the District's website at https://www.dgsd.org/opportunities, or to view our ad on LinkedIn.

Employee Luncheon

An employee winter luncheon will be held at the Grand Duke's restaurant at 980 75th Street, Downers Grove (same location as Bohemian Garden) on Tuesday, February 4 at 11:30 a.m.

First-Aid Kits

Safety Coordinator Jessie Gwozdz is distributing new first-aid kits to all District vehicles over the next few days.

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 during recent storms shows that the local system containing 1-M-049 appears to be operating satisfactorily. Regular flow monitoring continues.

Status of Projects

1) Westmont Alley Sewer Replacement

The project consists of alley sewer replacement work in the 1-K-028 drainage area, in the vicinity of Lincoln St and Grant St between Naperville Rd and Burlington Ave. Uno Construction has begun correcting sagged sections of new pipe that did not pass post-construction testing requirements. Uno paused work for the holidays and will resume shortly.

2) 001 Outfall Pipe Repair

Baxter & Woodman has completed survey and geotechnical work, and is completing the design of the repairs needed for the sagged section of the outfall pipe that carries effluent flow to the East Branch of the DuPage River. They are also coordinating with DuPage County Stormwater to address their permit review comments.

3) WWTC WAS Mechanical Thickening

Submittals from the contractor are under review at Baxter & Woodman.

GENERAL MANAGER'S REPORT TO EMPLOYEES

Employee Anniversaries

Congratulations to Reese Berry for 10 years of service with the District as of January 18 and Siamak Azarnia for 5 years of service with the District as of February 2.

Employee Luncheon

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2020 Open House Date

We have changed the traditional date for the annual open house for this coming year. This year the open house is scheduled for Saturday, September 19, 2020, from 9:00 a.m. until noon. As in years past, vacation time will not be granted the week immediately preceding the open house, so that all employees are available to prepare for this important event.

Payroll Withholding Status

Employees are reminded in the coming weeks as tax season approaches to review their current tax withholding selection with the District and that Carly and Clay are available to assist them with determining if any adjustments should be made. If you are interested in this, please let Carly or Clay know.

TopHealth

The February issue of TopHealth is enclosed.

Sewer Rehabilitation/Infiltration and Inflow Removal

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



Legal Counsel

Michael G. Philipp

General Manager

Nicholas J. Menninga

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

January 28, 2020

Amy L. Dragovich, P.E. Manager, Permit Section Division of Water Pollution Control Illinois Environmental Protection Agency 1021 North Grand Avenue East Springfield, Illinois 62702

RE: NPDES Permit IL0028380 Renewal

Dear Ms. Dragovich:

Enclosed please find our application for re-issuance of the subject permit.

We have completed Forms 2A and 2S and have prepared accompanying exhibits as requested, using data and information available from our records and on-going permit monitoring programs. If additional information is needed by IEPA, please do not hesitate to contact us.

Special Condition 16 in our current permit includes requirements associated with our participation in the DuPage River Salt Creek Workgroup (DRSCW). Please note that the DRSCW intends to propose revised Special Condition language. The DRSCW also intends to request that the renewal of permits be timed such that the permit cycles of DRSCW members become aligned to help streamline future renewals as well as provide fair equity in the assessments used to fund the projects and activities included in the Special Condition. We appreciate the Agency's consideration on this matter and will be contacting you within the next couple of months to schedule a meeting to discuss the proposed Special Condition revisions.

We would appreciate the opportunity to review and discuss any additional potential changes being considered by IEPA in our NPDES permit prior to the preparation of a draft revised permit.

Please do not hesitate to contact me should you have any questions or require additional information.

Very truly yours,

DOWNERS GROVE SANITARY DISTRICT

Amy B. Underwood

Assistant General Manager

Enclosure

cc: Board of Trustees

Nick Menninga Michael C. Wiedel

Belinda A. Hafliger, IEPA Permit Section (w/o Encl.)

DOWNERS GROVE SANITARY DISTRICT 2019 LIFT STATION PERFORMANCE REPORT

DOWNERS GROVE SANITARY DISTRICT 2019 LIFT STATION PERFORMANCE REPORT

TO: Board of Trustees

FROM: Alex Bielawa

Staff Engineer

DATE: February 6, 2020

2019 KEY OPERATIONAL NUMBERS

Total Flow to WWTC: 4,905,171,400 gallons

Average Daily Flow: 13.44 MGD

Precipitation Total for 2019: 56.22"

DISTRICT LIFT STATION FLOWS (TABLE 1)

The total flow through all nine lift stations throughout the District was 2,411,150,000 gallons, which equates to 49.2% of the total flow that came to the WWTC. Table 1 provides the monthly flow totals in MG (million gallons) for each Lift Station for 2019.

ENERGY PRICES (TABLES 2 & 3)

All of the Lift Stations get two energy bills a month, one from Comed for distribution services and the other from the contracted energy supplier. For most of 2019, the supply contractor was Hudson Energy. Table 2 breaks down the monthly Comed cost, which is based largely on peak use for the month. Table 3 breaks down the monthly supply cost, which is a product of the contracted supply price and the total electric use for the month.

LIFT STATION kWh TOTALS (TABLE 4)

The total amount of energy each Lift Station uses is taken from the electric bills. That value is expressed in kWh (kilowatt hour), which is broken down monthly for each Lift Station in Table 4.

LIFT STATION WORK ORDER EXPENSES (TABLE 5)

Table 5 provides a breakdown of the MP2 maintenance, repair and upgrade expenses for each Lift Station for 2019. The Lift Station General category is designated for repairs and preventative maintenance for the portable emergency generators as well as portable pumping equipment.

SUMMARY

2019 rainfall was the highest yet recorded, nearly ten inches higher than the previously recorded maximum. Volume into the plant was also the highest recorded, with nearly 50% of the flow pumped through the District's nine Lift Stations.

Notable maintenance and repair projects are described below.

In May, Pump 3 at Earlston Lift Station was repaired due to damage done to the sensor cable from a high flow event and was placed back into service after repairs. Pump 1 was overhauled in December after 12 years of service. A similar project can be expected for Pump 2 in early 2020.

Also in May, an automobile crashed into the Wroble Lift Station causing damage to the fence, gate, dual feed automatic throw over (ATO) switch enclosure, and transformer. In the following months, a new gate, fence, landscaping restorations, ATO switch, and transformer were installed. The final restoration and seeding is scheduled for spring 2020. Wroble Lift Station was also painted, including its floor, interior and entry tube into the station. Holes in the entry tube were found and repaired. A 10 year old variable frequency drive (VFD) had failed on Pump 1 and was replaced in September.

In July, the trees and brush around the Northwest Lift Station fence were removed and the fence re-installed, in anticipation of a solar panel system onsite. Construction of the system is anticipated to begin in early 2020 by the PPA vendor.

In November, Pumps 2 & 3 were removed from Northwest Lift Station for overhauls. Pump 2 was removed due a mechanical seal and lower bearing failure. Pump 3 was removed for an upper bearing failure. These two pumps had been in operation for over 10 years. The pumps were returned to service.

Pump 1 at College Lift Station was replaced in August. The existing pump was a 1990's-era recycled pump from Liberty Park Lift Station. All three pumps at College Lift Station have now been replaced/upgraded in the last 20 years.

TABLE 1
LIFT STATION FLOWS (MILLION GALLONS PER MONTH)
2019

MONTH	BUTTERFIELD	CENTEX	COLLEGE	EARLSTON	HOBSON	LIBERTY PARK	NORTHWEST	VENARD	WROBLE
JANUA RY	3.88	3.36	9.52	10.03	79.97	9.76	35.14	10.51	15.68
FEBRUARY	4.35	4.48	10.92	16.08	99.92	15.00	43.76	13.33	18.58
MARCH	4.22	3.71	9.68	12.52	84.23	12.08	39.28	11.27	16.57
APRIL	4.60	4.76	12.41	15.16	101.68	14.55	48.29	14.30	19.01
MAY	5.59	7.09	15.47	23.09	146.19	22.25	66.87	23.27	24.38
JUNE	4.40	3.13	9.14	10.32	79.30	11.06	39.63	12.81	15.87
JULY	4.56	2.79	10.22	10.47	76.15	10.52	38.81	11.86	15.12
AUGUST	4.39	1.90	7.46	6.36	45.44	5.30	33.75	9.91	10.82
SEPTEMBER	4.96	3.38	11.98	10.90	71.13	5.86	39.29	11.34	12.90
OCTOBER	5.04	4.59	14.71	14.78	101.47	7.83	48.93	13.59	18.63
NOVEMBER	4.19	3.78	10.40	11.14	82.92	7.61	41.24	11.53	14.88
DECEMBER	3.96	3.11	8.24	7.68	73.09	6.18	37.09	10.90	13.62
TOTAL	54.15	46.08	130.16	148.54	1,041.49	128.00	512.06	154.60	196.07

TABLE 2
COMED ENERGY DISTRIBUTION SERVICES COSTS
2019

MONTH	BUTTERFIELD	CENTEX	COLLEGE	EARLSTON	HOBSON	LIBERTY PARK	NORTHWEST	VENARD	WROBLE
JANUARY	\$241.30	\$188.66	\$557.10	\$451.26	\$2,605.05	\$610.73	\$1,645.41	\$362.82	\$937.98
FEBRUARY	\$239.60	\$187.68	\$607.43	\$526.07	\$3,560.63	\$751.46	\$1,817.26	\$421.36	\$955.62
MARCH	\$242.31	\$192.99	\$605.09	\$558.05	\$3,757.61	\$831.96	\$2,097.45	\$793.72	\$1,023.36
APRIL	\$277.47	\$202.33	\$600.49	\$542.57	\$2,136.19	\$749.85	\$1,670.58	\$465.43	\$834.08
MAY	\$311.91	\$243.00	\$1,002.58	\$757.61	\$4,546.51	\$951.17	\$2,813.01	\$1,255.79	\$1,139.46
JUNE	\$280.73	\$242.76	\$1,010.44	\$737.31	\$5,956.22	\$1,007.22	\$3,209.32	\$1,250.86	\$1,352.64
JULY	\$242.62	\$179.85	\$846.78	\$562.85	\$3,680.05	\$795.66	\$2,078.86	\$481.33	\$980.99
AUGUST	\$259.77	\$175.12	\$1,209.55	\$634.62	\$4,114.42	\$787.11	\$2,020.90	\$471.23	\$1,126.97
SEPTEMBER	\$153.12	\$58.86	\$672.87	\$268.64	\$4,643.85	\$312.96	\$1,919.93	\$597.90	\$220.65
OCTOBER	\$35.08	\$42.56	\$358.12	\$170.36	\$3,896.35	\$245.44	\$1,954.59	\$751.32	\$97.92
NOVEMBER	\$41.02	\$83.06	\$440.82	\$214.52	\$5,340.07	\$263.67	\$2,220.30	\$798.71	\$534.77
DECEMBER	\$161.90	\$166.67	\$644.45	\$408.18	\$3,573.53	\$542.81	\$1,944.30	\$714.53	\$959.51
TOTAL	\$2,486.83	\$1,963.54	\$8,555.72	\$5,832.04	\$47,810.48	\$7,850.04	\$25,391.91	\$8,365.00	\$10,163.95

TABLE 3
CONTRACTED ENERGY SUPPLY COSTS
2019

MONTH	BUTTERFIELD	CENTEX	COLLEGE	EARLSTON	HOBSON	LIBERTY PARK	NORTHWEST	VENARD	WROBLE
JANUARY	\$174.57	\$105.02	\$332.34	\$306.05	\$1,895.07	\$358.72	\$1,294.92	\$439.46	\$817.16
FEBRUARY	\$171.73	\$97.64	\$326.81	\$317.44	\$1,972.70	\$378.12	\$1,334.36	\$450.49	\$734.73
MARCH	\$164.90	\$89.41	\$301.46	\$291.82	\$1,713.50	\$339.14	\$1,222.16	\$406.73	\$688.62
APRIL	\$163.55	\$94.04	\$295.85	\$273.00	\$1,764.83	\$306.42	\$1,201.94	\$402.57	\$740.80
MAY	\$166.06	\$123.92	\$411.76	\$369.53	\$2,891.19	\$446.91	\$1,563.29	\$579.26	\$792.55
JUNE	\$145.13	\$93.68	\$313.71	\$240.94	\$2,008.51	\$313.71	\$1,243.46	\$444.37	\$680.80
JULY	\$152.24	\$70.90	\$392.53	\$219.71	\$1,810.01	\$294.57	\$1,118.87	\$428.06	\$748.01
AUGUST	\$143.59	\$54.77	\$204.25	\$133.45	\$1,666.48	\$169.15	\$999.45	\$293.72	\$661.87
SEPTEMBER	\$136.06	\$48.30	\$214.05	\$175.39	\$1,231.71	\$185.21	\$932.29	\$279.89	\$36.43
OCTOBER	\$151.48	\$75.10	\$324.93	\$179.83	\$1,605.33	\$289.78	\$1,155.22	\$358.68	\$499.45
NOVEMBER	\$161.84	\$96.85	\$357.15	\$242.92	\$2,206.36	\$327.99	\$1,559.45	\$409.01	\$778.03
DECEMBER	\$447.73	\$250.43	\$791.18	\$636.78	\$1,483.57	\$819.95	\$1,067.09	\$420.46	\$599.44
TOTAL	\$2,178.88	\$1,200.06	\$4,266.02	\$3,386.86	\$22,249.26	\$4,229.67	\$14,692.50	\$4,912.70	\$7,777.89

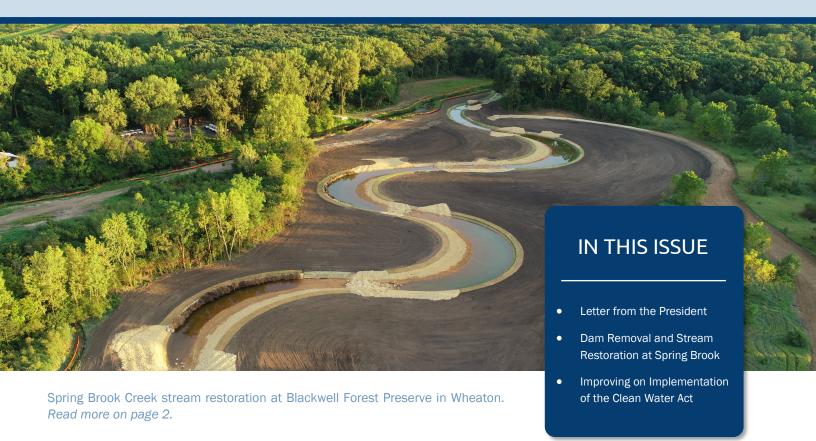
TABLE 4
LIFT STATION TOTAL ELECTRICITY USAGE kWh
2019

MONTH	BUTTERFIELD	CENTEX	COLLEGE	EARLSTON	HOBSON	LIBERTY PARK	NORTHWEST	VENARD	WROBLE
JANUARY	3,971	2,389	7,560	6,962	44,016	8,160	29,256	10,380	18,462
FEBRUARY	3,815	2,169	7,260	7,052	45,267	8,400	29,637	10,080	16,319
MARCH	3,676	1,993	6,720	6,505	39,025	7,560	27,238	8,940	15,347
APRIL	3,715	2,136	6,720	6,201	40,528	6,960	27,276	9,360	16,811
MAY	3,972	2,964	9,840	8,831	68,942	10,680	37,079	13,860	18,811
JUNE	3,664	2,365	7,920	6,083	52,200	7,920	31,311	11,340	17,143
JULY	3,543	1,647	9,120	5,100	43,507	6,840	26,203	9,300	17,521
AUGUST	3,157	1,203	4,500	2,932	36,772	3,720	22,019	6,720	14,574
SEPTEMBER	3,352	1,189	5,280	4,271	31,454	4,560	22,873	6,900	963
OCTOBER	3,835	1,897	8,220	4,605	43,146	7,320	28,899	9,300	12,521
NOV EMBER	3,971	2,374	8,760	5,954	54,941	8,040	37,978	9,720	18,956
DECEMBER	3,735	2,089	6,600	5,312	36,496	6,840	26,465	9,900	16,025
TOTAL	44,406	24,415	88,500	69,808	536,294	87,000	346,234	115,800	183,453

TABLE 5
LIFT STATION WORK ORDER EXPENSES FROM MP2
2019

MONTH	BUTTERFIELD	CENTEX	COLLEGE	EARLSTON	HOBSON	LIBERTY PARK	NORTHWEST	VENARD	WROBLE	LIFT STATION GENERAL
JANUARY	\$1,633.07	\$405.27	\$355.78	\$290.40	\$855.27	\$618.20	\$1,019.07	\$770.89	\$518.20	\$1,975.47
FEBRUARY	\$94.15	\$22.06	\$0.00	\$22.06	\$44.13	\$33.10	\$0.00	\$0.00	\$22.06	\$0.00
MARCH	\$0.00	\$0.00	\$0.00	\$0.00	\$58.88	\$0.00	\$719.12	\$0.00	\$8,158.13	\$34.60
APRIL	\$0.00	\$0.00	\$286.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MAY	\$0.00	\$0.00	\$0.00	\$5,758.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$948.13
JUNE	\$0.00	\$246.76	\$0.00	\$0.00	\$246.76	\$60.36	\$370.14	\$251.74	\$251.74	\$204.70
JULY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,050.60	\$10,536.28	\$0.00	\$0.00	\$0.00
AUGUST	\$0.00	\$0.00	\$45,225.61	\$10.72	\$0.00	\$0.00	\$0.00	\$32.16	\$0.00	\$14.79
SEPTEMBER	\$0.00	\$948.74	\$0.00	\$0.00	\$0.00	\$8,658.72	\$0.00	\$8,658.72	\$2,220.72	\$0.00
OCTOBER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,386.29	\$43.25
NOVEMBER	\$63.70	\$63.70	\$0.00	\$63.70	\$127.40	\$0.00	\$11,146.13	\$0.00	\$7,982.94	\$0.00
DECEMBER	\$0.00	\$249.40	\$0.00	\$409.04	\$672.79	\$60.36	\$288.00	\$249.40	\$249.40	\$25.95
TOTAL	\$1,790.92	\$1,935.93	\$45,867.75	\$6,554.00	\$2,005.23	\$10,481.34	\$24,078.74	\$9,962.91	\$29,789.48	\$3,246.89





LETTER FROM THE PRESIDENT

Dave Gorman

Since our formation in 2004, we've grown into a truly impressive partnership of waste water treatment plants, storm water agencies, public land managers and environmental advocacy groups. Thanks to these varying perspectives and your contributions, we're making meaningful and cost-effective progress toward meeting the Clean Water Act goals for the waterways in DuPage and Cook Counties. If you haven't done so yet, take a few minutes to peruse www.drscw.org to see the wealth of information there.

This year promises to be a busy one, and I encourage you to contribute by joining one of our committees. The Monitoring Committee is overseeing sampling for fecal coliform, dissolved oxygen, conductivity and now even plastics. The Chlorides Committee oversees the annual de-icing workshops, our Sensible Salting program and the Tollway's Chlorides Offset program. The Projects Committee is overseeing several physical projects, as well as the Integrated Prioritization System (IPS) model to highlight the most constraining impairments and then create projects, as we have done for our NPDES permit special condition. And our West Branch, East Branch and Salt Creek Committees are comprised of those local stakeholders with knowledge of and ability to advocate for their local waterways.

Our contracted staff at The Conservation Foundation is working on those committee projects as well as the Nutrient Implementation Plan (NIP), whose components include a nutrient trading program, surface water quality modeling (QUAL2Kw) and non-point source modeling. We're coordinating some of these activities as well as the IPS model update with the Lower DuPage Watershed Coalition, the Des Plaines River Watershed Workgroup and the North Branch Watershed Workgroup.

LETTER FROM THE PRESIDENT, CONTINUED FROM PAGE 1

The projects and studies required in our NPDES permit special condition will be completed by various deadlines. Most of these permits will expire in 2023. This year, together we'll consider extending the special condition to complete additional watershed improvements funded by our waste water agency members. This would again be made financially feasible and desirable by further deferring tighter phosphorus limits until a later date. The IPS model update will provide us with that list of potential projects targeting our most significant impairments in time for those talks.

I'll leave you with this parting thought. The Clean Water Act, enacted in 1972 and producing our nation's largest capital projects effort ever, has done a great job to improve the health of our surface waters. However, further improvements are not only increasingly costly but are also less effective

since many of the impairments require work beyond treatment plants' abilities. It's imperative not only for the responsible expenditure of public funds but also for our legacy to our children that we invest the time and effort now to creatively find solutions to improve our local as well as national waters. With your continuing contributions to the Workgroup, that's what we're accomplishing!



DAM REMOVAL AND STREAM RESTORATION AT SPRING BROOK

An extensive restoration project is underway at the Blackwell Forest Preserve in Wheaton, DuPage County. The construction, funded by the Illinois Tollway with support from the DRSCW and the property's owner, the Forest Preserve District of DuPage County, is part of an ambitious plan to restore physical habitat for nearly half of the stream's 5.5-mile total reach. The project is to be completed in three phases starting from the northern end of St. James Farm Forest Preserve and finishing downstream at the stream's confluence with the West Branch of the DuPage River.

The current work, phase 2, is being constructed downstream of Winfield Road and will be approximately 1.3 miles in length. Central to this phase, and the entire project, is the removal of a small dam and the draining of its impoundment. This, at a stroke, will remove the barrier to fish passage on the river system, allowing fish such as large and small mouth bass, three species of shiners and two species of minnow to move upstream.

The completed project will replace the decades old straight ditch with meanders and reconnect the creek to the floodplain to allow nutrient-rich floodwaters to more easily flow into the surrounding forest preserve to filter and temporarily store stormwater. Gravels, cobbles, boulders and woody debris in the creek channel will also improve habitat for macroinvertebrates (aquatic insects), fish and freshwater mussels. At present, most of the enhancements are in a new channel built parallel to the present ditch, meaning riffles, pools and meanders can be constructed in a dry creek bed before the flow is directed into its new home. Additionally, the project will enhance the higher ground along the creek by removing invasive, nonnative vegetation and replacing it with native species.

All these habitat features positively correlate to fish and macroinvertebrate populations, the improvement of which is a central goal of the Clean Water Act. Failure to meet the thresholds for these populations set by the state is the main driver behind conditions in local storm water and waste water permits. Construction is anticipated to be completed in 2020.



Section of Spring Brook Phase 2 channel under construction. Note the riffle in the foreground. Riffles, due to their flow patterns and structure, are biological hotspots.

IMPROVING ON IMPLEMENTATION OF THE CLEAN WATER ACT



Aerial view of Glenbard Waste Water Treatment Plant, capable of treating an average of 16 million gallons of waste water a day before discharging to the East Branch DuPage River.

Much needs to be accomplished in order to meet the ambitious goals of the Clean Water Act (CWA), to restore and maintain the chemical, physical and biological integrity of the Nation's waters. However, too often, those charged with implementing the CWA are constrained in prescribing solutions by a historic focus on end of pipe sources and a narrow view of what comprises pollution. Focusing on any part of a complex system inevitably leads to increasing costs and falling productivity. Via its members' permits, the DRSCW has attempted to focus efforts on meeting CWA goals and away from just building more wastewater infrastructure.

This is particularly salient to the public entities that own Waste Water Treatment Plants (WWTPs) and so bear the brunt of meeting the CWA. The reasons for this are historical: pre-1970's, WWTPs treatment levels were minimal by today's standards and WWTPs were an obvious source of large amounts of organic and bacterial pollution.

The 1972 CWA changed that. Funding the expansion of municipal wastewater treatment plants quickly became the single largest public works program in the United States (USEPA 1975). Government and industry has spent an estimated \$1 trillion since 1972 to abate end of pipe pollution. These investments allowed WWTPs to substantially reduce their pollutant contributions, creating dramatic improvements in the nation's water quality.

Yet despite these enormous investments, the USEPA reported in 2016 that over half of surveyed US river and stream miles were still failing to meet the goals established under the CWA. The reasons for the results and expenditures mismatch are likely due to aforementioned singular focus on wastewater effluent quality. In actuality, waterway health is multifaceted, a product of biological, physical and chemical characteristics, as set out in the CWA's goals. Further, it is reasonable to assume that future investments in WWTPs will follow the law of diminishing returns. In practice, this means while we have not reached the CWA goals by spending a trillion dollars to date, we should not expect to match the progress to date simply by expending another trillion.

The DRSCW Permit Special Condition was developed as a possible remedy to both the level of funding and the efficiency of the investments.

In 2014, IEPA began placing limits for phosphorous for WWTPs in Illinois. The DRSCW saw an opportunity to implement a more targeted alternative. Rigorous analysis of years of monitoring data from the DRSCW area had shown that habitat variables were much stronger explanations of variation in aquatic life than phosphorous. That analysis allowed the DRSCW to convince government scientists and representatives of advocacy groups to allow a new kind of permit, one that tackled a wide spectrum of pollution, notably the severe physical modification of our rivers.

Funding for the Special Condition was generated by postponing phosphorous removal and so saving operational costs for the additional treatment at WWTPs. A significant portion of those savings was then used to fund the implementation of the Special Conditions. These activities were painstakingly picked to maximize benefits to aquatic life.

Positive post-project results from one such DRSCW-supported project, the Oak Meadows Golf Course Stream Restoration Project, have demonstrated that such targeted and designed interventions can improve stream segments substantially toward meeting the CWA goal of supporting aquatic life.

It is highly unlikely that such improvements would have been obtained under the traditional approach. While this is encouraging, it is a single project. The targeted implementation method of the DRSCW will continue to be tested by the Spring Brook Stream Restoration (see article on page 2) and the proposed Fullersburg Woods stream restoration.

Aquatic systems are made up of interdependent communities of fish, insects and shellfish, themselves a product of a complicated and interrelated web of water chemistry, waterbody form, storm flows and landscape features. To ensure that public monies are efficiently spent, investments made under the CWA should reflect that complexity, and it is up to local governments to make that case.

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