

DOWNERS GROVE SANITARY DISTRICT  
GENERAL MANAGER'S REPORT  
February 8, 2019

February Board Meeting

Copies of the following items are enclosed for the February 12, 2019 meeting:

- 1) Proposed Agenda
- 2) Minutes of the January 15, 2019 regular meeting
- 3) Minutes of the January 15, 2019 executive session (confidential under separate cover)
- 4) Claim Ordinance 1874
- 5) Proposed FY 19/20 Budget / Five Year Plan and Appropriation Ordinance
- 6) Memo regarding final disposition of executive session records (confidential attachments under separate cover)
- 7) Memo Regarding CD investment at Bridgeview Bank

BOLI Meeting

There is no BOLI meeting scheduled for February.

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 (55<sup>th</sup> and Victor, DG) vicinity to evaluate post-rehabilitation and I/I reduction performance.

Financial

A copy of the Investment Schedule as of January 31, 2019 is enclosed.

The Treasurer's Report for January, 2019 covering the first nine months of FY 18-19 is included here, along with a summary cover memo.

## Meetings

I attended the following meeting since the January 11, 2019 General Manager's report:

- January 18 hosted tour of WWTC for Downers Grove Park District personnel.
- January 23 participated as speaker in webinar sponsored by the Environmental Law Institute of Washington DC, entitled, 'Upper Mississippi States: Innovative Financing for Nutrient Reduction'
- January 25 participated in teleconference with Current Water regarding their Illinois Nutrient Trading Initiative.
- January 28 attended IAWA/CSWEA Collection system committee meeting in Warrenville to coordinate June conference. Bob also attended.
- February 7 attended East Branch DuPage River Watershed Workshop hosted by The Conservation Foundation in Glen Ellyn.

## Miscellaneous

I took ½ day personal leave in January 30.

Copies of the following items are enclosed:

- 1) General Manager's Reports to Employees dated January 18 and February 1, 2019.
- 2) Engineering report on Centex Lift Station improvements.
- 3) Engineering report on WWTC sludge thickening improvements.

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

**DOWNERS GROVE SANITARY DISTRICT  
BOARD OF TRUSTEES MEETING  
FEBRUARY 12, 2019 – 7:00 PM**

**PROPOSED AGENDA**

- I. APPROVAL OF MEETING MINUTES
  - A. JANUARY 15, 2019 REGULAR MEETING
  - B. JANUARY 15, 2019 EXECUTIVE SESSION
- II. APPROVAL OF CLAIM ORDINANCE NO. 1874
- III. PUBLIC COMMENT
- IV. OLD BUSINESS
- V. NEW BUSINESS
  - A. REVIEW OF FY 19-20 BUDGET / FIVE YEAR PLAN AND APPROPRIATION ORDINANCE
  - B. REVIEW AND FINAL DISPOSITION OF EXECUTIVE SESSION RECORDS
  - C. INVESTMENT IN CERTIFICATE OF DEPOSIT – BRIDGEVIEW BANK

## MINUTES

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, January 15, 2019, 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 S. Kovacevic, Trustee Paul W. Coultrap, General Manager Nicholas J. Menninga and Administrative Supervisor W. Clay Campbell and Attorney Michael G. Philipp.

### Minutes of Regular Meeting – December 18, 2018

A motion was made by Trustee Coultrap seconded by Trustee Kovacevic approving the minutes of the regular meeting held on December 18, 2018 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Kovacevic and Coultrap.)

### Claim Ordinance No. 1873

A motion was made by Trustee Kovacevic seconded by Trustee Coultrap adopting Claim Ordinance No. 1873 in the total amount of \$542,845.04 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Kovacevic and Coultrap.)

### Public Comment – None

### Old Business – None

### New Business:

### Wastewater Treatment Center Operations Summary for 2018

General Manager Menninga presented the 2018 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 and chemical usage and an overall summary.

### Collection System Operations Summary for 2018

General Manager Menninga presented the 2018 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 and the 2019 work plan.

### Other New Business

Trustee Van Buren welcomed back Information Coordinator Alyssa Caballero after returning from maternity leave. He inquired about the use of a roadway patch in the brick-paved area of the District's Westmont Alley Sewer Replacement project near Burlington Avenue in Westmont, and

about the status of lift station communications at Liberty Park lift station utilizing equipment by Xylem and coordination work by Concentric Integration.

Trustee Kovacevic also welcomed back Information Coordinator Caballero, inquired about the planned implementation of the new Mobile-911 software utilizing the District's existing SCADA alarming configuration, and requested for staff to use its social media presence to provide additional information to residents regarding "What Not To Flush" and related best practices for sanitary sewers. She also inquired about the District's stationary WWTC generators receiving preventive maintenance and what the status was for Rexnord's facility on Curtiss as an "Industrial Pretreatment" customer.

Trustee Coultrap also welcomed back Information Coordinator Caballero and was impressed with the District's annual cost savings of 83% on its WWTC electric bills from the use of its Combined Heat and Power system.

#### Executive Session – Employee Compensation

A motion was made by Trustee Kovacevic seconded by Trustee Coultrap to recess the regular meeting and convene an executive session at 7:58 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.)

A motion was made by Trustee Kovacevic seconded by Trustee Coultrap to reconvene the regular meeting at 8:22 p.m. The motion carried. (Votes recorded: Ayes- Van Buren, Kovacevic and Coultrap.)

A motion was made by Trustee Coultrap seconded by Trustee Kovacevic to adjourn the regular meeting at 8:23 p.m. The motion carried.

Approved: February 12, 2019

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President

Attest: \_\_\_\_\_  
Clerk

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

Downers Grove, Illinois

Date: February 12, 2019

Claim Ordinance No. 1874

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 **\$617,008.37** being in words and figures as follows:

## GENERAL LEDGER RECAP

DATE 01/16/19

PERIOD END 01/12/19

PAGE 6

Payroll Ending Date: 01/12/19

Payroll Paid Date: 01/18/19

GL Date: 02/28/19

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		51748.19-
01-00.2000	FEDERAL TAX WITHHELD		9040.38-
01-00.2001	STATE TAX WITHHELD		3760.19-
01-00.2002	SOCIAL SECURITY WITHHELD		6101.10-
01-00.2003	IMRF WITHHELD		3513.82-
01-00.2012	WAGE DEDUCTION ORDER		627.23-
01-00.2013	CREDIT UNION WITHHELD		2399.31-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1870.14-
01-00.2017	VOLUNTARY GROUP LIFE		240.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		345.50-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		36.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1040.70-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		342.45-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		110.51-
01-11.A003	GENERAL MANAGEMENT	361.56	
01-11.A004	FINANCIAL RECORDS	7166.19	
01-11.A005	ADMINISTRATIVE RECORDS	1316.27	
01-11.A007	CODE ENFORCEMENT	6874.99	
01-12.A009	OPERATIONS MANAGEMENT	672.00	
01-12.A011	MAINTENANCE - WWTC	14757.38	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	384.54	
01-12.A014	MAINTENANCE - ELECTRICAL	4014.91	
01-12.A021	WWTC - OPERATIONS	14498.01	
01-12.A022	WWTC - SLUDGE HANDLING	3794.77	
01-12.A023	WWTC - ENERGY RECOVERY	713.57	
01-12.A030	BUILDING AND GROUNDS	718.00	
01-13.A041	LAB - WWTC	5269.89	
01-13.A048	LAB - ENERGY RECOVERY	170.95	
01-14.A051	SEWER MAINTENANCE	8162.47	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	374.70	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	3273.45	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	394.27	
01-14.A064	INSPECTION - MISCELLANEOUS	4164.05	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	1089.51	
01-14.A066	INSPECTION - CODE ENFORCEMENT	1306.20	
01-15.A080	LIFT STATION MAINTENANCE	1697.84	
		81175.52	81175.52-



## GENERAL LEDGER RECAP

DATE 01/16/19

PERIOD END 01/15/19

PAGE 4

Payroll Ending Date: 01/15/19

Payroll Paid Date: 01/17/19

GL Date: 02/28/19

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		19648.51-
01-00.2000	FEDERAL TAX WITHHELD		2630.89-
01-00.2001	STATE TAX WITHHELD		1374.19-
01-00.2002	SOCIAL SECURITY WITHHELD		2411.47-
01-00.2003	IMRF WITHHELD		1418.53-
01-00.2013	CREDIT UNION WITHHELD		800.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1636.52-
01-00.2020	DEFERRED COMPENSATION WITHHELD - ICMARC		300.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		100.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		359.89-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		198.03-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		1000.00-
01-11.A003	GENERAL MANAGEMENT	10148.44	
01-11.A004	FINANCIAL RECORDS	267.47	
01-11.A007	CODE ENFORCEMENT	9018.32	
01-12.A009	OPERATIONS MANAGEMENT	3648.59	
01-12.A011	MAINTENANCE - WWTC	4333.01	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	25.21	
01-12.A014	MAINTENANCE - ELECTRICAL	101.37	
01-12.A021	WWTC - OPERATIONS	533.39	
01-12.A023	WWTC - ENERGY RECOVERY	112.45	
01-13.A009	OPERATIONS MANAGEMENT	3408.38	
01-13.A041	LAB - WWTC	100.47	
01-13.A042	LAB - PRETREATMENT	120.48	
01-13.A048	LAB - ENERGY RECOVERY	60.45	
		31878.03	31878.03-

## GENERAL LEDGER RECAP

DATE 01/30/19

PERIOD END 01/26/19

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Payroll Ending Date: 01/26/19

Payroll Paid Date: 02/01/19

GL Date: 02/28/19

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		50980.89-
01-00.2000	FEDERAL TAX WITHHELD		8869.07-
01-00.2001	STATE TAX WITHHELD		3694.25-
01-00.2002	SOCIAL SECURITY WITHHELD		5993.72-
01-00.2003	IMRF WITHHELD		3441.77-
01-00.2012	WAGE DEDUCTION ORDER		627.23-
01-00.2013	CREDIT UNION WITHHELD		2399.31-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1874.00-
01-00.2017	VOLUNTARY GROUP LIFE		16.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		345.50-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		36.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1040.70-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		342.45-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		110.51-
01-11.A003	GENERAL MANAGEMENT	2067.86	
01-11.A004	FINANCIAL RECORDS	7213.84	
01-11.A005	ADMINISTRATIVE RECORDS	1601.52	
01-11.A007	CODE ENFORCEMENT	6808.61	
01-11.A030	BUILDING AND GROUNDS	296.19	
01-12.A011	MAINTENANCE - WWTC	14763.67	
01-12.A012	MAINTENANCE - VEHICLES	290.56	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	90.54	
01-12.A014	MAINTENANCE - ELECTRICAL	3520.94	
01-12.A021	WWTC - OPERATIONS	11428.08	
01-12.A022	WWTC - SLUDGE HANDLING	991.82	
01-12.A023	WWTC - ENERGY RECOVERY	1860.73	
01-12.A030	BUILDING AND GROUNDS	2550.36	
01-13.A041	LAB - WWTC	4691.51	
01-13.A048	LAB - ENERGY RECOVERY	112.00	
01-14.A051	SEWER MAINTENANCE	4835.78	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	710.83	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	2849.66	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	1214.40	
01-14.A064	INSPECTION - MISCELLANEOUS	4609.09	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	2015.96	
01-14.A066	INSPECTION - CODE ENFORCEMENT	1171.91	
01-14.A072	SEWER INVESTIGATIONS	205.27	
01-15.A080	LIFT STATION MAINTENANCE	3870.27	
		79771.40	79771.40-

## GENERAL LEDGER RECAP

DATE 02/01/19

PERIOD END 01/31/19

PAGE 4

Payroll Ending Date: 01/31/19

Payroll Paid Date: 02/04/19

GL Date: 02/28/19

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		23298.82-
01-00.2000	FEDERAL TAX WITHHELD		2847.43-
01-00.2001	STATE TAX WITHHELD		1575.37-
01-00.2002	SOCIAL SECURITY WITHHELD		2758.80-
01-00.2003	IMRF WITHHELD		1420.31-
01-00.2013	CREDIT UNION WITHHELD		800.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1639.40-
01-00.2017	VOLUNTARY GROUP LIFE		80.00-
01-00.2020	DEFERRED COMPENSATION WITHHELD - ICMARC		300.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		100.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		359.89-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		198.03-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		1000.00-
01-11.A001	TRUSTEES	4500.00	
01-11.A003	GENERAL MANAGEMENT	8606.98	
01-11.A004	FINANCIAL RECORDS	314.30	
01-11.A005	ADMINISTRATIVE RECORDS	111.35	
01-11.A007	CODE ENFORCEMENT	9059.20	
01-11.A008	SAFETY ACTIVITIES	121.68	
01-12.A009	OPERATIONS MANAGEMENT	5105.36	
01-12.A011	MAINTENANCE - WWTC	3723.77	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	111.66	
01-12.A021	WWTC - OPERATIONS	147.12	
01-12.A023	WWTC - ENERGY RECOVERY	262.69	
01-12.A030	BUILDING AND GROUNDS	312.33	
01-13.A009	OPERATIONS MANAGEMENT	3689.79	
01-15.A009	OPERATIONS MANAGEMENT	89.02	
01-15.A080	LIFT STATION MAINTENANCE	222.80	
		36378.05	36378.05-

01 GENERAL FUND STANDARD CHECK REGISTER FOR 02/12/19

Date: 02/08/19

Time: 3:38pm

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
A-LEN RADIATOR & AUTOMOTIVE	A000070	01/14/19	57190	01-15.B529	CH&E Pump Fuel Tank Flush	425.00	425.00	061322
AT & T MOBILITY	A000085	02/03/19	831873915	01-15.B112	LS Cell Dialer	53.77	53.77	061323
ADVOCATE OCCUPATIONAL HEALTH	A000150	12/31/18	714598	01-14.B117	Drug Screening	63.00		
		12/31/18	718918	01-12.B117	Drug Screening	63.00	126.00	061324
ADVANCED DISPOSAL	A000153	01/31/19	T8009072	01-12.B102	Garbage & Recycle	191.57	191.57	061325
ALEXANDER CHEMICAL CORPORATION	A000200	02/01/19	SLS 10077951	01-12.B401	Sodium Hypochlorite	3892.11	3892.11	101061
ALLIED WASTE SERVICE	A000255	01/15/19	551014318271	01-12.B102	Grit Scrn Dump PU & Rent	1609.44	1609.44	061326
ALTORFER INDUSTRIES, INC.	A000292	01/24/19	P60C0232629	01-12.B513	Emer Gen 1, 2, & 3 Parts	4113.39		
		01/25/19	P60C0232635	01-12.B513	Emer Gen 1, 2, & 3 Parts	266.58		
		01/25/18	P60C0232636	01-12.B513	Emer Gen 1, 2, & 3 Parts	219.33		
		01/30/19	P60C0232655	01-12.B513	Emer Gen 1, 2, & 3 Parts	57.87		
		01/30/19	P60C0232656	01-12.B513	Emer Gen 1, 2, & 3 Parts	21.64		
		02/05/19	S8668101	01-12.B812	Salt Spreader	4445.00	9123.81	101062
ALTORFER INDUSTRIES, INC.	A000292	01/10/19	PM600278902	01-15.B520	Butterfield LS Maintenanc	1311.43		
		01/29/19	PM600279280	01-15.B524	Hobson LS Maintenance	1807.06		
		01/29/19	PM600279281	01-15.B526	Northwest LS Maintenance	1034.68		
		01/29/19	PM600279282	01-15.B521	Centex LS Maintenance	961.74	5114.91	101098
SYNCHB/AMAZON	A000295	02/01/19	456339346356	01-12.B116	Ops Gloves	31.80		
		01/16/19	597876957845	01-14.B116	SS Batteries	81.57		
		01/26/19	644876535437	01-12.B112	Cellular Charging Cables	41.15		
		01/09/19	664833653898	01-11.B115	Computer Monitors	221.80		
		02/05/19	894668459889	01-14.B910	SS BSSRAP Equipment	171.91		
		02/01/19	896933696979	01-12.B116	Ops Gloves	30.76	578.99	061327
AUTOZONE - AZ COMMERCIAL	A000600	01/16/19	2576179992	01-12.C225	Auto Parts	353.64		
		01/16/19	2576180060	01-12.C225	Auto Parts	15.97		
		01/16/19	2576180074	01-12.C225	Auto Parts	373.44	743.05	061328
BAXTER & WOODMAN, INC.	B000120	01/18/19	0203941	01-14.B124	Flow Monitoring	1587.01		
		01/18/19	0203942	01-11.B124	Nutrient Study	123.75		
		01/18/19	0203943	01-14.B902	Flow Basin Rehab	298.16		
		01/18/19	0203944	01-11.B124	Misc Engineering Services	800.68		
		01/18/19	0203945	01-15.B521	Centex LS Rehab Study	57.50		
		01/18/19	0203946	01-11.B124	Misc Engineer Services	1083.75	3950.85	101063
CATCHING FLUID POWER	C000091	01/07/19	B59295-001	01-12.B501	Auger Part	412.68		
		01/10/19	B59295-002	01-12.B501	Auger Parts	206.64		
		02/01/19	B80058-001	01-12.B513	CHP 1 Parts	68.78	688.10	061329
CERTIFIED BALANCE & SCALE CORP	C000130	01/31/19	23674	01-13.B115	Clean/Calibrate Lab Equip	1293.00	1293.00	061330
CHICAGO METROPOLITAN FIRE	C000240	01/06/19	IN00202071	01-12.B113	Fire Radio Use - Maint	60.00	60.00	061331
CINTAS #344	C000300	01/11/19	344116482	01-12.B117	WWTC Uniform Rental	32.80		
		01/11/19	344116482	01-14.B117	WWTC Uniform Rental	13.68		
		01/18/19	344119813	01-12.B117	WWTC Uniform Rental	32.80		
		01/18/19	344119813	01-14.B117	SS Uniform Rental	15.21		
		01/25/19	344123241	01-12.B117	WWTC Uniform Rental	32.80		
		01/25/19	344123241	01-14.B117	SS Uniform Rental	21.31		
		02/01/19	344126547	01-12.B117	WWTC Uniform Rental	32.80		
		02/01/19	344126547	01-14.B117	SS Uniform Rental	13.68		
		02/08/19	344129942	01-12.B117	WWTC Uniform Rentals	32.80		

01 GENERAL FUND STANDARD CHECK REGISTER FOR 02/12/19

Date: 02/08/19

Time: 3:38pm

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		02/08/19	344129942	01-14.B117	SS Uniform Rentals	13.68	241.56	061332
CINTAS FIRST AID & SAFETY	C000320	01/18/19	5012838807	01-12.B113	First Aid Supplies	267.50	267.50	061333
CLOVERLEAF TOOL CO	C000335	01/14/19	45963	01-14.B115	SS Vac-Con Hose Parts	607.95	607.95	101064
COMED	C000380	01/15/19	0055025057	01-15.B100	College LS Elec	313.98		
		01/15/19	0068029014	01-15.B100	Centex LS Elec	93.36		
		01/15/19	0120089072	01-15.B100	Wroble LS Elec	461.26		
		01/15/19	0458029046	01-15.B100	Liberty Park LS Elec	338.09		
		01/23/19	0562080004	01-15.B100	Venard LS Elec	362.82		
		01/15/19	1095091170	01-15.B100	Northwest LS Elec	759.68		
		01/08/19	1108062005	01-11.B100	Admin Elec	84.58		
		01/08/19	1108062005	01-12.B100	WWTC Elec	3892.89		
		01/31/19	1108062005-1	01-11.B100	Admin Elec	169.58		
		01/31/19	1108062005-1	01-12.B100	WWTC Elec	4783.31		
		01/15/19	1810068039	01-15.B100	Earlston LS Elec	244.97		
		01/15/19	3240038012	01-15.B100	Butterfield LS Elec	122.13		
		01/15/19	4657083017	01-15.B100	Hobson LS Elec	1473.94		
		01/25/19	6770572011	01-00.2005	BSSRAP Yard Elec Use	487.52		
		01/25/19	6770572011	01-12.B100	Walnut Hse Elec	69.86		
		01/25/19	8762083052	01-12.B100	Big Top Elec	28.86	13686.83	061334
CONCENTRIC INTEGRATION, LLC	C000410	11/15/18	0202585	01-11.B115	Support Services	5445.00		
		11/15/18	0202585	01-12.B513	Support Services	11055.00	16500.00	101065
G COOPER OIL COMPANY INC.	C000470	01/21/19	31558	01-12.B116	Lube Oil Drums	1224.06	1224.06	061335
CORE & MAIN LP	C000485	01/21/19	K054575	01-15.B526	NW Force Main Part	42.55	42.55	061336
JOHN CRANE INC.	C000560	01/22/19	3579993	01-12.B510	Dig 4&5 Sldg Recirc Pump	635.93	635.93	061337
CURTIS MARTIN GROUP, INC.	C000660	01/12/19	6888	01-11.B115	Programming Fixes	270.00	270.00	101066
D&S SALES, INC	D000025	01/25/19	25195	01-14.B113	System Truck Safety Equip	77.72	77.72	061338
DELTA INDUSTRIES, INC.	D000210	01/29/19	150407	01-12.B512	MSB Air Compress Service	712.95	712.95	061339
VILLAGE OF DOWNERS GROVE	D000480	01/15/19	145109	01-11.B121	Meter Readings	413.32	413.32	061340
DRIVESHAFT UNLIMITED, INC.	D000525	01/11/19	75963	01-12.B505	Raw Sewage Pump 3	331.00	331.00	061341
DRYDON EQUIPMENT INC.	D000540	02/04/19	45018	01-15.B522	College Pump 1 Replace	32749.57	32749.57	101067
DUPAGE COUNTY RECORDER	D000620	12/12/18	40002552	01-11.B121	Lien Release Docs	330.00		
		12/14/18	40003262	01-11.B121	Lien Release Docs	22.00		
		01/14/19	40008738	01-11.B121	Lien Release Docs	110.00		
		01/25/19	40011464	01-14.B910	BSSRAP Docs	616.00		
		01/25/19	40011470	01-14.B910	BSSRAP Docs	660.00		
		01/25/19	40011475	01-11.B124	Construction Docs	308.00		
		01/25/19	40011475	01-14.B901	I/I Docs	44.00		
		01/25/19	40011475	01-14.B910	BSSRAP Docs	220.00		
		02/04/19	40013291	01-11.B121	Lien Release Docs	96.00	2406.00	061342
EYE MED VISION CARE	E000600	02/01/19	163774892	01-17.E455	Vision Insurance	437.45	437.45	061343
FASTENAL COMPANY	F000060	01/08/19	ILWES65416	01-12.B501	Auger Part	7.60		
		01/08/19	ILWES65422	01-12.B505	Raw Sewage Pump 3 Parts	63.24		
		01/09/19	ILWES65444	01-12.B116	Bio Drill Bit	8.53		
		01/22/19	ILWES65796	01-12.B504	Grit Bldg Tunnel Piping	27.27		
		01/25/19	ILWES65892	01-12.B504	Grit Bldg Tunnel Piping	5.24		
		01/29/19	ILWES65944	01-12.B513	Emer Gen 1, 2, & 3 Parts	27.87		

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		02/04/19	ILWES66083	01-12.B504	Grit Bldg Tunnel Piping	373.89		
		02/05/19	ILWES66131	01-12.B513	CHP 1 Part	3.51		
		02/05/19	ILWES66132	01-12.B513	CHP 1 Part	15.48		
		02/06/19	ILWES66171	01-12.B512	Grit Bldg Tunnel Piping	91.88	624.51	101068
FEECE OIL CO.	F000085	01/17/19	3596577	01-15.B104	Lift Station Diesel Fuel	2059.99	2059.99	061344
FIRST ENVIRONMENTAL LAB	F000140	01/24/19	145727	01-13.B123	January Biosolids Testing	229.20	229.20	101069
ROLF FLECHSIG	F000165	02/06/19	Reimburse	01-12.B117	Boot Reimbursement	200.00	200.00	101070
FOX VALLEY FIRE & SAFETY CO.	F000280	12/12/18	IN00225912	01-12.B113	Annual Sprinkler Inspect	157.00	157.00	101071
FULLIFE LLC	F000440	01/16/19	41760	01-12.B117	CP Outerwear	33.00	33.00	061345
REVERE ELECTRIC	G000410	01/09/19	S3769405.001	01-12.B805	Bar Screen Lighting	1297.29		
		01/14/19	S3769405.002	01-12.B805	Bar Screen Lighting	157.59		
		01/14/19	S3769405.003	01-12.B805	Bar Screen Lighting	115.26		
		01/16/19	S3769405.004	01-12.B805	Bar Screen Lighting	48.61		
		01/14/19	S3772916.001	01-12.B505	Bar Screen Lighting	24.30		
		01/15/19	S3773359.001	01-12.B805	Bar Screen Lighting	36.79		
		01/24/19	S3780215.001	01-12.B505	Bar Screen Lighting	27.58		
		01/25/19	S3780215.002	01-12.B505	Bar Screen Lighting	59.16		
		01/23/19	S3780225.001	01-12.B512	Returned Items	75.88-	1690.70	061346
W. W. GRAINGER, INC.	G000520	01/09/19	9051284892	01-12.B512	See Sheet	39.08-		
		01/11/19	9054477600	01-12.B512	See Sheet	100.80		
		01/11/19	9054633145	01-12.B811	See Sheet	51.84		
		01/14/19	9055775689	01-12.B505	See Sheet	16.60		
		01/14/19	9056550891	01-12.B513	See Sheet	28.94		
		01/16/19	9059246943	01-12.B512	See Sheet	30.67		
		01/18/19	9062078747	01-12.B116	See Sheet	68.94		
		01/21/19	9062501342	01-12.B507	See Sheet	2091.15		
		01/23/19	9065867179	01-12.B513	See Sheet	108.72		
		01/24/19	9066899478	01-12.B805	See Sheet	498.52		
		01/24/19	9067511767	01-12.B113	See Sheet	99.84		
		01/25/19	9068936062	01-13.B116	See Sheet	555.43		
		01/29/19	9071111471	01-12.B116	See Sheet	28.84		
		01/31/19	9073865140	01-12.B812	See Sheet	510.00		
		02/01/19	9075606807	01-13.B114	See Sheet	142.45		
		02/05/19	9077726587	01-12.B502	See Sheet	71.40		
		02/05/19	9078474336	01-12.B116	See Sheet	11.06		
		02/07/19	9080683155	01-12.B512	See Sheet	510.00		
		02/07/19	9080683163	01-12.B512	See Sheet	510.00-	4376.12	101072
H-0-H WATER TECHNOLOGY	H000037	01/16/19	548070	01-12.B513	CHP Heat Recovery System	1174.05	1174.05	061347
HACH COMPANY	H000040	01/14/19	11294805	01-14.B115	SS Equipment Parts	154.15		
		02/06/19	11327448	01-12.B507	Ammonia Analyzer Start Up	1287.00	1441.15	101073
HOME DEPOT	H000400	01/23/19	0061596	01-12.B513	See Sheet	122.25		
		01/22/19	1010092	01-12.B505	See Sheet	106.93		
		01/22/19	1010093	01-12.B116	See Sheet	133.66		
		01/22/19	1010108	01-14.B117	See Sheet	9.97		
		02/01/19	1010686	01-12.B116	See Sheet	11.88		
		01/21/19	2022678	01-12.B505	See Sheet	158.67		

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		01/31/19	2023785	01-12.B812	See Sheet	30.71		
		01/31/19	2023815	01-12.B812	See Sheet	58.18		
		01/31/19	2583301	01-13.B115	See Sheet	47.98		
		01/30/19	3023752	01-12.B812	See Sheet	319.92		
		01/30/19	3051423	01-12.B812	See Sheet	79.41		
		01/10/19	3560802	01-12.B505	See Sheet	14.98		
		01/29/19	4023618	01-12.B812	See Sheet	298.63		
		02/06/19	6010969	01-12.B812	See Sheet	468.20		
		01/25/19	8061822	01-15.B116	See Sheet	42.55		
		01/25/19	8065180	01-14.B910	See Sheet	41.01		
		02/04/19	8562478	01-12.B812	See Sheet	94.29		
		01/14/19	9021889	01-12.B505	See Sheet	231.49		
		01/14/19	9083903	01-12.B805	See Sheet	8.60		
		01/14/19	9570500	01-12.B505	See Sheet	15.87	2295.18	061348
HUTTO & SON, INC.	H000540	02/06/19	28349	01-12.B113	Fire Extinguishers	150.00		
		01/22/19	30309	01-12.B113	Fire Extinguisher Service	757.00	907.00	061349
IMPACT NETWORKING INC.	I000400	01/21/19	1325883	01-11.B115	Copies	58.55	58.55	061350
INFOSEND, INC.	I000415	01/25/19	148270	01-11.B121	Customer Bill Mailings	3742.18	3742.18	101074
IPELRA	I000420	02/08/19	Seminar	01-11.B117	2019 Law Seminar WCC	195.00	195.00	061351
ISTHA	I000470	01/09/19	G1290001325	01-11.C225	Admin Vehicle Tolls	27.20		
		01/09/19	G1290001325	01-12.C225	WWTC Vehicle Tolls	255.80		
		01/09/19	G1290001325	01-13.C225	Lab Vehicle Tolls	21.75		
		01/09/19	G1290001325	01-14.C225	SS Vehicle Tolls	21.60	326.35	061377
DANIEL JASSO	J000070	02/05/19	Trav Reimb	01-14.B117	Travel Reimbursement	437.08	437.08	101075
JULIE, INC.	J000250	01/09/19	2019-0429	01-14.B127	JULIE Service	4058.95	4058.95	061352
KANSAS CITY LIFE INSURANCE CO	K000045	02/01/19	14887	01-17.E455	Life Insurance	396.75	396.75	101076
KIPP'S LAWNMOWER SALES	K000180	01/22/19	475667	01-12.B812	Snow Blower Repair Parts	119.31	119.31	061353
KODIAK CONTROLS INC.	K000210	01/11/19	VA11L1A	01-12.B505	Exc Flow Pump Station	178.88		
		01/17/19	VA11L1A-2	01-12.B505	Exc Flow Pump Station	105.89	284.77	101077
LAI, LTD	L000012	01/12/19	18-16120	01-12.B507	RAS Pump 1	1345.17		
		01/31/19	19-16189	01-12.B506	Primary 5 & 6	1236.26	2581.43	101078
LIBERTY PROCESS EQUIPMENT, INC.	L000028	01/31/19	0076347-IN	01-12.B509	Belt Press Sldg Feed Pmp2	2420.00	2420.00	101079
MBM SERVICES INC.	M000010	02/01/19	31105	01-11.B118	Admin Cleaning Service	331.00	331.00	061354
MCMaster-CARR SUPPLY COMPANY	M000360	01/09/19	83306213	01-12.B507	Secondary Clarifiers 1&2	65.72		
		01/15/19	83868316	01-12.B505	Excess Flow Pump Station	57.95		
		01/17/19	84154931	01-12.B507	Secondary Clarifiers 1&2	42.51		
		01/22/19	84496409	01-12.B504	Grit Bldg Tunnel Piping	184.40		
		01/29/19	85166973	01-13.B115	Lab Equipment	203.69		
		01/29/19	85168613	01-12.B504	Grit Bldg Tunnel Piping	493.04		
		02/01/19	85418650	01-12.B504	Grit Bldg Pipe Part Retrtn	93.93-		
		02/04/19	85623765	01-12.B504	Grit Bldg Tunnel Piping	381.15	1334.53	101080
MENARDS - BOLINGBROOK	M000430	01/17/19	59665	01-12.B116	MSB Supplies	71.32		
		01/24/19	60138	01-12.B116	MSB Supplies	64.96		
		01/25/19	60177	01-14.B910	SS Parts	52.94	189.22	061355
NCPERS GROUP LIFE INSURANCE	N000010	01/20/19	3266022019	01-00.2017	Vol Life Insurance	304.00	304.00	061356
NAPA AUTO PARTS	N000040	01/07/19	4343-585897	01-12.B501	Auger Parts	40.35		

01 GENERAL FUND STANDARD CHECK REGISTER FOR 02/12/19

Date: 02/08/19

Time: 3:38pm

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		01/15/19	4343-587052	01-12.B116	Auto Parts	68.28		
		02/05/19	4343-590312	01-12.B513	CHP 1 Parts	448.99	557.62	061357
NEUCO, INC.	N000260	01/10/19	3493361	01-12.B505	Excess Flow Pump Station	2031.60		
		01/24/19	3527167	01-12.B505	Exc Flow RS Pumps 6-9	111.13	2142.73	101081
NICOR GAS	N000330	01/15/19	2833584	01-12.B101	Plant Gas	239.35		
		01/15/19	3892638	01-11.B101	Admin Gas	215.27		
		01/15/19	4440979	01-12.B101	Plant Gas	333.65		
		01/15/19	4782107	01-12.B101	Plant 2 Gas	368.58		
		12/13/18	4782107-1	01-12.B101	Plant 2 Gas - December	290.99	1447.84	061358
NISSEN ENERGY INC	N000350	01/22/19	150	01-12.B513	CHP 2 Parts	125.00	125.00	101082
NORTH SHORE WATER	N000480	01/22/19	MISC00114668	01-13.B123	WET Testing NPDES Permit	800.00	800.00	061359
NORTH SHORE UNIFORM SERVICE INC	N000500	01/16/19	19-1007	01-12.B117	FF Outerwear	49.85	49.85	061360
OFFICE DEPOT	O000100	01/07/19	601116900836	01-11.B116	Admin Supplies	407.07	407.07	061361
OFFICIAL PAYMENTS	O000300	01/07/19	3957585	01-11.B121	ACH Payment Fees	22.80	22.80	101083
PACE ANALYTICAL	P000010	01/17/19	1940061516	01-13.B123	Jan NPDES Testing	100.00	100.00	101084
PACKEY WEBB FORD	P000020	01/14/19	C34095	01-12.C225	Biosolids Truck Repair	378.31		
		01/15/19	C34275	01-12.C225	Biosolids Truck Repair	20.00	398.31	101085
PETTY CASH	P000350	02/08/19	Cash Box	01-11.B117	Supervisor Lunch	85.36		
		02/08/19	Cash Box	01-11.B119	Postage Due	5.90		
		02/08/19	Cash Box	01-12.B116	Cleaner for Plant	16.00		
		02/08/19	Cash Box	01-12.B117	BM CDL Reimburse	30.00		
		02/08/19	Cash Box	01-13.B116	Ice for Lab	4.38		
		02/08/19	Cash Box	01-14.B117	Get Well Card for Empl	5.05	146.69	061362
POLYDYNE INC.	P000395	01/16/19	1314767	01-12.B402	Belt Press Polymer	2142.54		
		02/06/19	1321478	01-12.B402	Belt Press Polymer	2142.54	4285.08	101086
NICHOLAS PREEN	P000640	01/14/19	Reimburse	01-12.B117	Operator Class Fees	499.00	499.00	101099
PRINCIPAL LIFE INSURANCE CO	P000650	01/18/19	1093099	01-17.E455	Dental Insurance	2591.54	2591.54	101087
RAPTOR TECH INC.	R000105	01/11/19	12209	01-12.B501	Auger Parts	108.00	108.00	061363
ROADSAFE	R000360	10/31/18	RT151270	01-14.B902	SS Barricade Rental	207.00	207.00	061364
SEAWAY SUPPLY CO.	S000200	01/15/19	140967	01-12.B512	MSB Supplies	140.75		
		01/25/19	141336	01-12.B116	MSB Supplies	201.00		
		01/29/19	141404	01-12.B116	MSB Supplies	206.04		
		01/29/19	141405	01-13.B116	Lab Supplies	29.00	576.79	101088
SEYFARTH SHAW	S000280	01/18/19	3179950	01-11.B124	Legal Fees	225.00	225.00	101089
SHERWIN-WILLIAMS CO.	S000320	01/22/19	6604-5	01-12.B812	Maint Repair Paint	92.15	92.15	101090
SITEONE LANDSCAPE SUPPLY	S000405	01/16/19	88723675-001	01-11.B118	Rock Salt	126.18		
		01/16/19	88723675-001	01-12.B812	Rock Salt	126.17		
		01/21/19	887834410-1	01-11.B118	Rock Salt	126.17		
		01/21/19	887834410-1	01-12.B812	Rock Salt	126.18		
		01/25/19	88856049-001	01-11.B118	Rock Salt	126.18		
		01/25/19	88856049-001	01-12.B812	Rock Salt	126.17		
		02/01/19	88951539-001	01-11.B118	Rock Salt	131.08		
		02/01/19	88951539-001	01-12.B812	Rock Salt	131.07	1019.20	061365
STAPLES INC.	S000640	01/15/19	1064929	01-11.B116	Admin Supplies	266.04		
		01/15/19	1064929	01-13.B116	Lab Supplies	83.76		
		02/02/19	8053154246	01-11.B116	Admin Supplies	173.61	523.41	061366



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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
STEPHENS PLUMBING AND	S000680	01/08/19	206012	01-14.B910	BSSRAP Shear Repair	625.95		
		01/23/19	206450	01-14.B910	BSSRAP Repair	117.00	742.95	061367
STEVENSON CRANE SERVICE, INC.	S000720	01/08/19	51483	01-12.B513	CHP Heat Recovery System	700.00	700.00	101100
TECH 3 SOLUTIONS INC.	T000096	01/10/19	19-827	01-12.B513	CHP 1 Engine Parts	12479.90		
		01/21/19	19-832	01-12.B513	CHP 1 Engine & Freight	45775.00		
		01/25/19	19-834	01-12.B513	Freight Return CHP1 Parts	417.18		
		01/24/19	19-835	01-12.B513	CHP 1 Turbo Rebuild	786.99	59459.07	061368
TERRACE SUPPLY COMPANY	T000250	01/31/19	013119	01-12.B116	Cylinder Rentals	57.10		
		01/10/19	22509	01-00.2005	Nitrogen Cylinders Return	93.94-		
		01/09/19	70430107	01-12.B404	Nitrogen Cylinder	18.00		
		01/11/19	70430277	01-12.B505	Bar Screen Bldg	37.72		
		01/17/19	70430755	01-12.B116	Propane Cylinders	45.95	64.83	101091
UNDERCUTTERS	U000190	01/18/19	Tree Service	01-12.B812	Tree Removal at WWTC	800.00	800.00	061369
UNISON SOLUTIONS, INC.	U000192	01/09/19	2019-6636	01-13.B123	Substance Testing	540.00		
		01/09/19	2019-6639	01-13.B123	Gas Sampling	525.00	1065.00	101092
UNITED PARCEL SERVICE	U000300	01/19/19	3Y0091039	01-13.B123	Lab Sample Overnight Ship	21.30	21.30	061370
UNO CONSTRUCTION CO., INC.	U000450	01/31/19	7	01-14.B910	BSSRAP Jobs	58885.43	58885.43	101093
VAL-MATIC VALVE & MFG	V000090	01/10/19	360772	01-15.B529	Lift Station Parts	438.00		
		01/21/19	361170	01-15.B529	LS Air Relief Valves	24.00		
		01/22/19	361238	01-15.B529	LS Air Relief Valves	90.00	552.00	101094
VERIZON WIRELESS	V000135	02/01/19	542042956	01-12.B112	WWTC Tablet Service	118.05		
		02/01/19	542042956	01-14.B112	SS Tablet Service	103.28		
		02/01/19	542042956	01-15.B112	LS Tablet Service	36.01		
		01/28/19	785846626	01-11.B112	Admin Cell Service	151.21		
		01/28/19	785846626	01-12.B112	WWTC Cell Service	842.23		
		01/28/19	785846626	01-14.B112	SS Cell Service	525.68		
		01/28/19	785846626	01-15.B112	LS Cell Service	268.38	2044.84	061371
VISSERS SALES CORP	V000180	01/23/19	IN00080419	01-15.B529	6" CH&E Pump Parts	269.63	269.63	061372
WAGNER COMMUNICATIONS, INC	W000070	02/01/19	190200079	01-11.B112	Answering Service	194.60	194.60	101095
WESTFAX	W000350	01/31/19	1335129	01-11.B112	EFax Service	8.99	8.99	101096
WEST SIDE TRACTOR SALES CO.	W000380	01/14/19	V93064	01-12.B501	Wildcat Scrnr Eng Replace	21864.69	21864.69	061373
VILLAGE OF WESTMONT	W000450	02/05/19	715368	01-11.B121	Meter Readings	370.01	370.01	061374
WIEDEL, PHILIPP, INDELICATO & OW	W000551	01/02/19	690	01-11.B124	Legal Fees	300.00		
		02/01/19	706	01-11.B124	Legal Fees	270.00	570.00	061375
WILKENS-ANDERSON	W000600	01/09/19	S1181477.001	01-13.B116	Lab Supplies	603.04	603.04	101097
VILLAGE OF WOODRIDGE	W000700	01/21/19	1200	01-11.B121	Meter Readings 2018	292.56	292.56	061376
						=====	=====	
Total Payments:						295256.03	295256.03	
ACH Payments Total:						163566.21	.00	
Check Payments Total:						131689.82	295256.03	

01 GENERAL FUND MANUAL CHECK REGISTER FOR 02/12/19

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Time: 3:38pm

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
AT&T	A000075	01/31/19	081267687501	01-11.B112	Back Up DSL Internet	87.17	87.17	101050
CHASE	B000050	01/18/19	SPR 01-15-19	01-00.2000	Fed Tax	2630.89		
		01/18/19	SPR 01-15-19	01-00.2002	Empl Soc Sec Tax	2411.47		
		01/18/19	SPR 01-15-19	01-17.E461	Emplr Soc Sec Tax	2411.52	7453.88	101032
CHASE	B000050	01/22/19	PR 01-12-19	01-00.2000	Fed Tax	9040.38		
		01/22/19	PR 01-12-19	01-00.2002	Empl Soc Sec Tax	6101.10		
		01/22/19	PR 01-12-19	01-17.E461	Emplr Soc Sec Tax	6101.16	21242.64	101037
CHASE	B000050	02/04/19	PR 01-26-19	01-00.2000	Fed Tax	8869.07		
		02/04/19	PR 01-26-19	01-00.2002	Empl Soc Sec Tax	5993.72		
		02/04/19	PR 01-26-19	01-17.E461	Emplr Soc Sec Tax	5993.71	20856.50	101045
CHASE	B000050	02/06/19	SPR 01-31-19	01-00.2000	Fed Tax	2847.43		
		02/06/19	SPR 01-31-19	01-00.2002	Empl Soc Sec Tax	2758.80		
		02/06/19	SPR 01-31-19	01-17.E461	Emplr Soc Sec Tax	2758.80	8365.03	101051
CALLONE	C000073	01/17/19	1139811	01-11.B112	Admin Phone Service	530.18		
		01/17/19	1139811	01-12.B112	WWTC Phone Service	303.45	833.63	061317
D.G. SANIT DIST #XXXXXXXXX1117	D000400	02/13/19	Reimburse	01-00.1001	PR Account Reimburse	145676.41	145676.41	101056
D.G. SANIT DIST #XXXXXXXXX1114	D000420	02/13/19	Reimburse	01-05.3001	User Refund Acct Reimburs	2007.76	2007.76	101058
D.G. SANIT DIST #XXXXXXXXX1112	D000440	02/13/19	Reimburse	01-12.B116	Coffee For Plant	83.27		
		02/13/19	Reimburse	01-12.C225	Motor Oil	182.14		
		02/13/19	Reimburse	01-13.B117	KL & MS Expo	120.00		
		02/13/19	Reimburse	01-14.B910	BSSRAP Rodding Refunds	1318.20	1703.61	101060
DUPAGE CREDIT UNION	D000650	01/17/19	SPR 01-15-19	01-00.2013	Empl Authorized W/Holding	800.00	800.00	101034
DUPAGE CREDIT UNION	D000650	01/18/19	PR 01-12-19	01-00.2013	Empl Authorized W/Holding	2399.31	2399.31	101039
DUPAGE CREDIT UNION	D000650	02/01/19	PR 01-26-19	01-00.2013	Empl Authorized W/Holding	2399.31	2399.31	101047
DUPAGE CREDIT UNION	D000650	02/04/19	SPR 01-31-19	01-00.2013	Empl Authorized W/Holding	800.00	800.00	101053
GERBER COLLISION AND GLASS	G000320	02/05/19	0121086460	01-14.C225	Windshield Replace SS Van	413.09	413.09	061319
HEALTH CARE SERVICE CORP.	H000190	01/30/19	165585	01-17.E455	Health Insurance	43847.84	43847.84	101044
HUDSON ENERGY SERVICES, LLC	H000495	01/25/19	Various	01-15.B100	LS Electricity	5283.85	5283.85	061318
HUDSON ENERGY SERVICES, LLC	H000495	02/05/19	4000003459	01-15.B100	Venard LS Elec	439.46	439.46	061320
HUDSON ENERGY SERVICES, LLC	H000495	02/08/19	4000003486	01-11.B100	Admin Elec	157.81		
		02/08/19	4000003486	01-12.B100	WWTC Elec	4505.91	4663.72	061321
ILLINOIS DEPARTMENT OF REVENUE	I000240	01/18/19	SPR 01-15-19	01-00.2001	State Tax	1374.19	1374.19	101033
ILLINOIS DEPARTMENT OF REVENUE	I000240	01/22/19	PR 01-12-19	01-00.2001	State Tax	3760.19	3760.19	101038
ILLINOIS DEPARTMENT OF REVENUE	I000240	02/04/19	PR 01-26-19	01-00.2001	State Tax	3694.25	3694.25	101046
ILLINOIS DEPARTMENT OF REVENUE	I000240	02/06/19	SPR 01-31-19	01-00.2001	State Tax	1575.37	1575.37	101052
ILLINOIS MUNICIPAL	I000300	02/07/19	Pension	01-00.2003	Empl Pension Deposit	9802.10		
		02/07/19	Pension	01-00.2014	Empl Vol Pension Deposit	6975.02		
		02/07/19	Pension	01-17.E460	Emplr Pension Deposit	19451.63	36228.75	101043
INVOICE CLOUD	I000750	02/07/19	607-2019-1	01-11.B121	Biller Portal Fees	270.90	270.90	101059
MIDAMERICA ADMIN HRA ACCOUNT	M000557	01/25/19	Funding	01-17.E455	HRA Acct Funding	500.00	500.00	101042
STATE DISBURSEMENT UNIT	S000650	01/18/19	PR 01-12-19	01-00.2012	Wage Deduction	627.23	627.23	101040
STATE DISBURSEMENT UNIT	S000650	02/01/19	PR 01-26-19	01-00.2012	Wage Deduction	627.23	627.23	101048
TRANSAMERICA RETIREMENT SOLUTION	T000415	01/17/19	SPR 01-15-19	01-00.2026	Def Comp IPPFA	1000.00	1000.00	101035
TRANSAMERICA RETIREMENT SOLUTION	T000415	01/18/19	PR 01-12-19	01-00.2028	Def Comp IPPFA Loan Repay	110.51	110.51	101041
TRANSAMERICA RETIREMENT SOLUTION	T000415	02/01/19	PR 01-26-19	01-00.2028	IPPFA Def Comp Loan Repay	110.51	110.51	101049
TRANSAMERICA RETIREMENT SOLUTION	T000415	02/04/19	SPR 01-31-19	01-00.2026	IPPFA Def Comp	1000.00	1000.00	101054

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
U.S. POSTAL SERVICE	U000130	01/23/19	Refill	01-11.B119	Postage Meter Refill	1000.00	1000.00	101057
VANTAGEPOINT TRANSFER AGENTS-45V000120		01/17/19	SPR 01-15-19	01-00.2020	Def Comp ICMARC	300.00	300.00	101036
VANTAGEPOINT TRANSFER AGENTS-45V000120		02/04/19	SPR 01-31-19	01-00.2020	ICMARC Def Comp	300.00	300.00	101055
						=====	=====	
Total Payments:						321752.34	321752.34	
ACH Payments Total:						310118.59	.00	
Check Payments Total:						11633.75	321752.34	

DATE \_\_\_\_\_

REVIEWED \_\_\_\_\_

TRUSTEE APPROVAL \_\_\_\_\_

PRESIDENT

CLERK

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-00.1000	CASH		617008.37-
01-00.1001	CASH - PAYROLL ACCOUNT	145676.41	
01-00.2000	FEDERAL TAX WITHHELD	23387.77	
01-00.2001	STATE TAX WITHHELD	10404.00	
01-00.2002	SOCIAL SECURITY WITHHELD	17265.09	
01-00.2003	IMRF WITHHELD	9802.10	
01-00.2005	CLEARING	393.58	
01-00.2012	WAGE DEDUCTION ORDER	1254.46	
01-00.2013	CREDIT UNION WITHHELD	6398.62	
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	6975.02	
01-00.2017	VOLUNTARY GROUP LIFE	304.00	
01-00.2020	DEFERRED COMPENSATION WITHHELD - ICMARC	600.00	
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	2000.00	
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD	221.02	
01-05.3001	USER RECEIPTS	2007.76	
01-11.B100	ELECTRICITY	411.97	
01-11.B101	NATURAL GAS	215.27	
01-11.B112	COMMUNICATION	972.15	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	5995.35	
01-11.B116	SUPPLIES	846.72	
01-11.B117	EMPLOYEE/DUTY COSTS	280.36	
01-11.B118	BUILDING AND GROUNDS	840.61	
01-11.B119	POSTAGE	1005.90	
01-11.B121	USER BILLING MATERIALS	5669.77	
01-11.B124	CONTRACT SERVICES	3111.18	
01-11.C225	OPERATION/REPAIR	27.20	
01-12.B100	ELECTRICITY	13280.83	
01-12.B101	NATURAL GAS	1232.57	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	1801.01	
01-12.B112	COMMUNICATION	1304.88	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	1491.34	
01-12.B116	SUPPLIES	2363.45	
01-12.B117	EMPLOYEE/DUTY COSTS	1038.85	
01-12.B401	CHEMICALS - DISINFECTION	3892.11	
01-12.B402	CHEMICALS - SLUDGE DEWATERING	4285.08	
01-12.B404	CHEMICALS - OTHER	18.00	
01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	22639.96	
01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	71.40	
01-12.B504	EQPT/EQPT REPAIR - GRIT REMOVAL	1371.06	
01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	3572.99	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	1236.26	
01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	4831.55	
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	2420.00	
01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	635.93	
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	962.09	
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	78016.47	

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.B805	BLDG AND GROUNDS - INFLUENT PUMPING	2162.66	
01-12.B811	BLDG AND GROUNDS - TERTIARY TREATMENT	51.84	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	7825.39	
01-12.C225	OPERATION/REPAIR	1579.30	
01-13.B114	CHEMICALS	142.45	
01-13.B115	EQUIPMENT/EQUIPMENT REPAIR	1544.67	
01-13.B116	SUPPLIES	1275.61	
01-13.B117	EMPLOYEE/DUTY COSTS	120.00	
01-13.B123	OUTSIDE LAB SERVICES	2215.50	
01-13.C225	OPERATION/REPAIR	21.75	
01-14.B112	COMMUNICATION	628.96	
01-14.B113	EMERGENCY/SAFETY EQUIPMENT	77.72	
01-14.B115	EQUIPMENT/EQUIPMENT REPAIR	762.10	
01-14.B116	SUPPLIES	81.57	
01-14.B117	EMPLOYEE/DUTY COSTS	592.66	
01-14.B124	CONTRACT SERVICES	1587.01	
01-14.B127	JULIE SYSTEM	4058.95	
01-14.B901	SEWER SYSTEM REPAIRS - I/I PROGRAM	44.00	
01-14.B902	SEWER SYSTEM REPAIRS - REPLACEMENT	505.16	
01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	62708.44	
01-14.C225	OPERATION/REPAIR	434.69	
01-15.B100	ELECTRICITY	9893.54	
01-15.B104	FUEL - GENERATORS	2059.99	
01-15.B112	COMMUNICATION	358.16	
01-15.B116	SUPPLIES	42.55	
01-15.B520	EQPT/EQPT REPAIR - BUTTERFIELD	1311.43	
01-15.B521	EQPT/EQPT REPAIR - CENTEX	1019.24	
01-15.B522	EQPT/EQPT REPAIR - COLLEGE	32749.57	
01-15.B524	EQPT/EQPT REPAIR - HOBSON	1807.06	
01-15.B526	EQPT/EQPT REPAIR - NORTHWEST	1077.23	
01-15.B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	1246.63	
01-17.E455	EMPLOYEE GROUP HEALTH	47773.58	
01-17.E460	IMRF	19451.63	
01-17.E461	SOCIAL SECURITY	17265.19	
		=====	
		617008.37	617008.37-

Vendor	Invoice Date	Amount	Coding	Coding Description	Purchase Location	Emp.	Procurement	Project Name (if applicable)	Item Description
Grainger	01/09/19	-\$39.08	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	CP		Vertical Band Saw MSB	Shaft Gear (Returned)
Grainger	01/11/19	\$100.80	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	01/31/19	\$51.84	01-12.B811	BLDG & GROUNDS - TERTIARY TREATMENT	Delivered	NW		HVAC Filter Replacement	(3) 20x25x5" Air Bear Filters)
Grainger	01/14/19	\$16.60	01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	Delivered	AC		Excess Flow Building Protective Water Rehab	Butt Splice Connectors
Grainger	01/14/19	\$28.94	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	NW		CHP 1 Engine Genset	Drum Opening Wrench
Grainger	01/16/19	\$30.67	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	RF		Electrical Repair Supplies	1 pkg (150) Wire Nuts
Grainger	01/18/19	\$68.94	01-12.B116	WWTC SUPPLIES	Delivered	JPB		Maintenance Repair Supplies	(6) 4 1/2" x 80 GR Flap Discs & (6) 4 1/2' x 36 GR Flap Discs
Grainger	01/16/19	\$2,091.15	01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	Delivered	JPB		Secondary 5 Catwalk Upgrade	(9) 36"x48"x1-1/4" Aluminum Gratings
Grainger	01/23/19	\$108.72	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	In-Store	FF		Emergency Generator Repairs	Utility Pump
Grainger	01/25/19	\$498.52	01-12.B805	BLDG & GROUNDS - INFLUENT PUMPING	Delivered	CP		Excess Flow Pumping Station Dehumidification	(2) 30 Pint Dehumidifiers
Grainger	01/24/19	\$99.84	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	MM		Safety supplies	Latex Gloves
Grainger	01/25/19	\$555.43	01-13.B116	LAB SUPPLIES	Delivered	DRB	shopped, circle K	lab supplies	sampling supplies
Grainger	01/29/19	\$28.84	01-12.B116	WWTC SUPPLIES	In-Store	MM		Supplies	Floor Cleaner for Op station
Grainger	01/31/19	\$510.00	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	Delivered	JPB		System Garage Washroom Remodeling	28 Gallon, 4500 Watt Water Heater
Grainger	01/25/19	\$142.45	01-13.B114	CHEMICALS	Delivered	DRB	shopped, circle K	micro supplies	media and agar
Grainger	02/05/19	\$71.40	01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	Delivered	MR		Bisulfite Bldg	General Purpose Relay, 5 pin, square
Grainger	02/05/19	\$11.06	01-12.B116	WWTC SUPPLIES	In-Store	AC		HVAC Supplies	V-Belts for Exhaust Fan (MSB)
Grainger	02/07/19	\$510.00	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	Delivered	JPB		System Garage Washroom Remodeling	28 Gallon, 4500 Watt Water Heater
Grainger	02/07/19	-\$510.00	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	Delivered	JPB		System Garage Washroom Remodeling	28 Gallon, 4500 Watt Water Heater (returned damaged)
Home Depot	01/23/19	\$122.25	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	In-Store	FF		Emergency Generator Repairs	Hoses & Brass Fittings for Coolant Pumping
Home Depot	01/22/19	\$106.93	01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	In-Store	NW		Excess Flow Building Protective Water Rehab	Copper Fittings
Home Depot	01/22/19	\$133.36	01-12.B116	WWTC SUPPLIES	In-Store	NW		Maintenance Repair Supplies	(8) Snow Shovels, (3)Ice Scrapers, (3)Face Shields
Home Depot	01/22/19	\$9.97	01-14.B117	EMPLOYEE/DUTY COSTS	In-Store	DJ		Employee Shoe Protection	Shoe Covers
Home Depot	02/01/19	\$11.88	01-12.B116	WWTC SUPPLIES	In-Store	MM		Vehicles	Windshield De Icer
Home Depot	01/21/19	\$158.67	01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	In-Store	AC		Excess Flow Building Protective Water Rehab	Plumbing Supplies
Home Depot	01/31/19	\$30.71	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	CP		System Garage Washroom Remodeling	Plumbing Supplies
Home Depot	01/31/19	\$58.18	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	CP		System Garage Washroom Remodeling	Plumbing Supplies
Home Depot	01/31/19	\$47.98	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	In-Store	DRB		Lab Equipment	Ceramic Pedestal Heater with Remote
Home Depot	01/30/19	\$319.92	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	BS		System Garage Washroom Remodeling	Lumber & Plumbing Supplies
Home Depot	01/30/19	\$79.41	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	BS		Lab - Woman's Washroom Vanity & Emergency Shower Repair	Misc. Plumbing Supplies for Vanity Replacement
Home Depot	01/10/19	\$14.98	01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	In-Store	CP		Raw Sewage Pump 3	Rope For Rigging Drive Shaft
Home Depot	01/29/19	\$298.63	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	CP		System Garage Washroom Remodeling	Copper Piping & Misc. Plumbing Supplies
Home Depot	02/06/19	\$468.20	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	BS		System Garage Washroom Remodeling	Toilet, Lumber, Electrical & Plumbing Supplies
Home Depot	01/25/19	\$42.55	01-15.B116	LIFT STATION SUPPLIES	In-Store	RF		Supplies	Dry Lock Lube & Propane Torch
Home Depot	01/25/19	\$41.01	01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	In-Store	AH		BSSRAP	Brass Cleanout Plugs and a Bucket
Home Depot	02/04/19	\$94.29	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	CP		System Garage Washroom Remodeling	Plumbing Supplies
Home Depot	01/14/19	\$231.49	01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	In-Store	AC		Excess Flow Building Protective Water Rehab	Ball Valves, Copper Fittings, Solder
Home Depot	01/14/19	\$8.60	01-12.B805	BLDG & GROUNDS - INFLUENT PUMPING	In-Store	BS		Bar Screen Lighting Upgrade	Spray Paint
Home Depot	01/14/19	\$15.87	01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	In-Store	NW		Excess Flow Building Protective Water Rehab	Copper Fittings, MAP Gas

Date: 2/8/2019  
Due Date: 2/12/2019  
Invoice #: Reimburse

Petty Cash Checking Reimbursement

D-440

Date	Purchased From	Description	Code	Amount	Ck No.
01/11/19	William Kolbusz	BSSRAP Rodding Refund	14.B910	607.70	3548
01/16/19	Ryan Garrity	BSSRAP Rodding Refund	14.B910	360.50	3549
01/24/19	Midwest Water Analyst	Winter Expo Kenny L & Malwina S	13.B117	120.00	3550
01/24/19	Courtney Schaefer	BSSRAP Rodding Refund	14.B910	350.00	3551
02/07/19	Costco	Coffee For Plant	12.B116	83.27	3552
02/07/19	Costco	Motor Oil	12.C225	182.14	3552

Total Receipts/Reimbursement 1703.61

Expense by code

12.B116	83.27
12.C225	182.14
13.B117	120.00
14.B910	1318.20
	<hr/>
	1703.61

Date: 02/08/19

Petty Cash Reimbursement

P - 350

Due Date: 02/12/19

Invoice #: Cash Box

Date	Purchased From	Reimbursed To	Description	Code	Amount
1/17/2019	Angelo's		Supervisor Lunch	11.B117	85.36
1/16/2019			Employee Postage Reimbursement	11.B119	-0.47
1/25/2019	USPS		Postage Due	11.B119	3.75
1/28/2019	USPS		Postage Due	11.B119	2.62
1/15/2019	Circle K	R Berry	Ice for Lab Use	13.B116	4.38
1/16/2019		I Taylor	Get Well Card for Employee	14.B117	5.05
1/30/2019	Dollar Tree		Cleaner for MSB	12.B116	16.00
1/25/2019		B Meng	CDL Renewal	12.B117	30.00
			Total Receipts		146.69

Expense by code

11.B117	85.36
11.B119	5.90
12.B116	16.00
12.B117	30.00
13.B116	4.38
14.B117	5.05
	<hr/>
	146.69



DOWNERS GROVE SANITARY DISTRICT

M E M O

DATE: February 8, 2019  
TO: Board of Trustees  
FROM: Nicholas J. Menninga  
General Manager  
RE: Five Year Financial Plan

Enclosed please find copies of the following items:

1. Five year financial plan for Fiscal Years 2019-2020 to 2023-2024.
2. Notice of availability of Appropriation Ordinance/Budget for public review.
3. Revised Budget Calendar.
4. Appropriation Ordinance for Fiscal Year 2019-2020.

Staff will review these documents with the Board at the February 12 meeting. We will be seeking Board approval to publish the notice of availability in the Downers Grove Reporter on February 13. Final action is scheduled for the March 19 Board meeting.

cc: KJR, RTJ, MJS, WCC, MGP

DOWNERS GROVE SANITARY DISTRICT  
FIVE YEAR FINANCIAL PLAN  
FISCAL YEARS 2019-2020 TO 2023-2024

Proposed 02/12/19

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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, 2019 to April 30, 2024. 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. FY 2019-20 non-sewer annual replacement, rehabilitation and upgrade expenses represent about 125% of the FY 2017-18 annual depreciation of non-sewer fixed assets.

The user rate is proposed to increase from the current level of \$1.65 per 1,000 gallons to \$1.70 per 1,000 gallons for FY 2019-20, with \$0.05 increases projected again in FY 2020-21, FY 2021-22, and \$0.10 increases projected in FY 2022-23 and FY 2023-24. Monthly service fees are proposed to increase from \$16.00 to \$17.00 for FY 2019-20, with \$0.50 increases projected in FY 2020-21, FY 2021-22, and FY 2023-24. This accommodates the desired levels of sewer system replacement and rehabilitation expenditures while keeping up with inflation. Other user charges such as surcharge and sampling and monitoring charges will increase as the cost to provide services increases with inflation.

Construction Fund – 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 plan anticipates receipt of grant funding associated with recent energy-related improvements.

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.

Public Benefit Fund – 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.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2019-2020 to 2023-2024

EXHIBIT 1

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 19-20 Appropriation	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 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	223,146	213,764	220,051	212,437	265,500	234,864	463,000		336,900	348,700	360,900	373,500
004. Financial Records	199,147	209,439	181,647	186,692	186,600	198,759	193,400		200,150	207,150	214,400	221,950
005. Administrative Records	50,180	39,398	42,091	40,688	60,200	48,191	61,500		63,650	65,900	68,200	70,600
007. Code Enforcement	278,126	302,401	306,940	328,764	340,000	371,301	354,300		366,700	379,550	392,850	406,600
008. Safety Activities	1,809	1,747	784	1,212	2,500	1,453	2,550		2,600	2,700	2,800	2,900
030. Building & Grounds	4,781	5,661	5,629	1,988	0	1,294	0		0	0	0	0
Subtotal	\$775,190	\$790,410	\$775,142	\$789,783	\$873,700	\$873,863	\$1,093,650	\$1,250,000	\$988,900	\$1,022,900	\$1,058,050	\$1,094,450
B. Operation & Maintenance												
100. Electricity	\$3,990	\$3,733	\$3,228	\$5,092	\$4,000	\$2,569	\$4,000		\$4,250	\$4,500	\$4,750	\$5,050
101. Natural Gas	2,487	647	1,053	1,161	3,000	1,708	3,000		3,100	3,200	3,300	3,400
102. Water, Garbage, Other	548	817	858	1,316	1,150	693	1,150		1,200	1,250	1,300	1,350
110. Bank Charges	20,316	21,652	16,000	15,709	19,200	17,234	18,500		18,900	19,200	19,600	20,000
112. Communication	14,643	13,874	16,413	12,907	16,000	14,106	16,000		16,300	16,700	16,900	17,300
115. Eqpt/Eqpt Repair	116,167	74,037	103,498	86,011	108,000	90,209	81,500		91,200	112,800	74,200	105,250
116. Supplies	8,467	3,395	5,741	6,811	7,600	6,427	7,300		7,000	7,500	7,100	7,600
117. Employee/Duty Costs	10,929	19,724	16,052	10,280	13,000	11,033	13,000		13,300	13,500	13,800	14,100
118. Building & Grounds	13,802	13,004	16,680	53,584	24,000	14,207	24,000		51,650	57,950	59,850	39,850
119. Postage	11,879	7,830	8,223	6,262	12,000	8,694	11,500		9,800	10,100	10,400	10,700
120. Printing/Photography	10,114	10,551	9,705	7,935	10,400	10,673	11,400		11,400	11,400	11,600	11,800
121. User Billing Material	60,834	66,947	65,076	60,735	73,700	74,472	74,500		74,500	74,500	74,500	74,500
124. Contract Services	63,382	64,181	73,879	92,766	97,400	126,111	119,700		113,700	118,150	123,700	122,650
137. Memberships/Subscriptions	11,077	11,345	11,554	9,929	7,600	10,173	10,700		10,700	10,800	10,800	10,900
Subtotal	\$348,637	\$311,736	\$347,961	\$370,498	\$397,050	\$388,310	\$396,250	\$480,000	\$427,000	\$461,550	\$431,800	\$444,450
C. Vehicles												
222. Gas/Fuel	\$1,437	\$914	\$859	\$933	\$2,100	\$1,082	\$1,800		\$1,800	\$1,900	\$1,900	\$1,900
225. Operation/Repair	537	365	429	334	1,250	939	1,400		1,600	1,600	1,400	1,400
226. Vehicle Purchase	16,111	9,256	0	0	0	0	0		0	15,000	20,000	0
Subtotal	\$18,086	\$10,534	\$1,288	\$1,267	\$3,350	\$2,021	\$3,200	\$10,000	\$3,400	\$18,500	\$23,300	\$3,300
TOTALS	\$1,141,913	\$1,112,681	\$1,124,391	\$1,161,547	\$1,274,100	\$1,264,194	\$1,493,100	\$1,740,000	\$1,419,300	\$1,502,950	\$1,513,150	\$1,542,200

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2019-2020 to 2023-2024

EXHIBIT 1

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 19-20 Appropriation	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
12. Wastewater Treatment Center												
A. Salary & Wages												
009. Oper. Management	\$34,718	\$112,177	\$117,227	\$112,052	\$22,500	\$91,758	\$23,450		\$24,300	\$25,150	\$26,000	\$26,900
010. Maintenance	484,138	461,136	475,079	498,714	578,800	525,921	582,600		602,950	624,050	645,900	668,500
020. WWTC	582,890	482,983	484,585	513,848	606,500	554,124	617,400		639,000	661,350	684,500	708,450
030. Building & Grounds	34,415	38,198	59,807	65,648	48,550	60,928	50,500		52,250	54,100	55,950	57,950
Subtotal	\$1,136,161	\$1,094,494	\$1,136,698	\$1,190,263	\$1,256,350	\$1,232,731	\$1,273,950	\$1,470,000	\$1,318,500	\$1,364,650	\$1,412,350	\$1,461,800
B.Operation & Maintenance												
100. Electricity	\$262,280	\$190,174	\$188,832	\$140,576	\$72,000	\$74,571	\$72,000		\$76,300	\$80,900	\$85,750	\$90,900
101. Natural Gas	9,948	4,321	6,600	6,820	12,000	8,517	12,000		12,700	13,500	14,300	15,150
102. Water, Garbage, Other	36,485	36,423	36,131	28,603	34,000	27,703	33,000		34,000	35,000	36,050	37,150
103. Odor Control	5,403	2,997	10,574	4,591	8,000	4,521	30,000		5,150	5,300	5,450	5,650
104. Fuel - Generators	9,015	7,688	1,731	16,023	13,500	8,855	15,500		15,950	16,450	16,950	17,450
112. Communication	12,874	10,554	12,907	15,620	16,000	15,622	17,500		17,600	17,800	17,900	18,100
113. Emergency/Safety Eqpt	10,462	12,375	18,943	9,538	15,200	11,467	17,200		17,300	17,800	18,350	18,900
400. Chemicals	65,017	62,145	100,026	84,369	93,400	108,370	111,700		125,350	129,100	133,000	136,950
500. Eqpt/Eqpt Repair	1,061,275	928,720	714,380	763,286	717,150	685,666	1,407,100		2,148,250	813,250	855,850	948,700
116. Supplies	41,837	41,080	28,716	29,175	29,250	31,549	29,750		29,850	30,750	31,700	32,650
117. Employee/Duty Costs	19,458	16,030	18,680	22,151	25,000	22,523	25,000		25,200	25,500	26,800	26,000
800. Building & Grounds	202,191	261,251	285,646	200,700	275,900	277,918	257,700		217,500	176,900	177,600	180,900
124. Contract Services	0	82,796	85,280	127,218	131,050	131,034	203,700		209,800	216,100	222,600	229,300
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	60,000	60,000	80,000		80,000	0	0	0
Subtotal	\$1,789,244	\$1,709,553	\$1,561,447	\$1,521,669	\$1,555,450	\$1,521,316	\$2,365,150	\$2,840,000	\$3,067,950	\$1,631,350	\$1,695,300	\$1,810,800
C. Vehicles												
222. Gas/Fuel	\$26,675	\$19,652	\$12,376	\$18,255	\$32,500	\$18,960	\$30,000		\$30,900	\$31,850	\$32,800	\$33,750
225. Operation/Repair	7,069	9,655	3,594	9,911	7,000	11,564	7,500		7,700	7,950	8,200	8,450
226. Vehicle Purchase	19,824	28,473	0	4,851	15,000	10,778	41,000		31,000	32,500	29,000	20,500
Subtotal	\$53,569	\$57,780	\$15,969	\$33,017	\$54,500	\$41,302	\$78,500	\$90,000	\$69,600	\$72,300	\$70,000	\$62,700
TOTALS	\$2,978,973	\$2,861,828	\$2,714,115	\$2,744,949	\$2,866,300	\$2,795,348	\$3,717,600	\$4,400,000	\$4,456,050	\$3,068,300	\$3,177,650	\$3,335,300

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2019-2020 to 2023-2024

EXHIBIT 1

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 19-20 Appropriation	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
13. Laboratory												
A. Salary & Wages												
009. Oper. Management	\$56,808	\$65,021	\$67,465	\$54,228	\$61,550	\$70,892	\$64,600		\$66,850	\$69,200	\$71,600	\$74,150
040. Laboratory	123,578	128,283	131,733	156,506	164,400	151,329	170,850		176,850	183,000	189,400	196,050
Subtotal	\$180,387	\$193,304	\$199,198	\$210,735	\$225,950	\$222,221	\$235,450	\$270,000	\$243,700	\$252,200	\$261,000	\$270,200
B. Operation & Maintenance												
114. Chemicals	\$8,509	\$12,051	\$8,328	\$9,566	\$17,200	\$12,591	\$17,200		\$17,850	\$18,600	\$19,300	\$20,100
115. Eqpt/Eqpt Repair	10,326	5,851	68,634	29,948	16,200	6,439	16,200		64,000	19,000	34,000	24,000
116. Supplies	10,059	11,869	14,505	11,721	20,750	9,044	20,750		21,600	22,450	23,350	24,300
117. Employee/Duty Costs	5,070	2,489	2,307	2,498	5,500	2,488	5,500		5,600	5,700	5,800	5,900
122. Monitoring Equipment	5,151	3,395	5,674	377	9,000	2,051	9,000		4,000	9,000	4,000	4,000
123. Outside Lab Services	14,502	14,180	17,033	13,344	19,050	16,453	19,050		19,850	20,600	21,450	22,300
Subtotal	\$53,617	\$49,835	\$116,480	\$67,454	\$87,700	\$49,066	\$87,700	\$110,000	\$132,900	\$95,350	\$107,900	\$100,600
C. Vehicles												
222. Gas/Fuel	\$714	\$333	\$299	\$392	\$500	\$478	\$500		\$500	\$500	\$550	\$550
225. Operation/Repair	244	141	168	96	200	110	200		200	200	200	250
226. Vehicle Purchase	1,174	0	6,762	0	0	0	0		0	0	15,000	20,000
Subtotal	\$2,131	\$474	\$7,230	\$487	\$700	\$588	\$700	\$10,000	\$700	\$700	\$15,750	\$20,800
TOTALS	\$236,135	\$243,613	\$322,907	\$278,675	\$314,350	\$271,875	\$323,850	\$390,000	\$377,300	\$348,250	\$384,650	\$391,600



DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2019-2020 to 2023-2024

EXHIBIT 1

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 19-20 Appropriation	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
14. Collection System												
A. Salary & Wages												
050. Sewer Maintenance	144,293	\$139,670	\$152,688	\$161,571	\$157,900	\$201,818	\$163,350		\$169,050	\$174,950	\$181,100	\$187,450
060. Inspection	268,960	279,822	280,008	271,723	347,300	313,135	271,300		280,800	290,650	300,800	311,350
070. Investigations	9,011	10,557	10,733	10,595	11,600	6,714	12,150		12,550	13,000	13,450	13,950
Subtotal	\$422,264	\$430,049	\$443,429	\$443,889	\$516,800	\$521,668	\$446,800	\$520,000	\$462,400	\$478,600	\$495,350	\$512,750
B. Operation & Maintenance												
102. Water, Garbage, Other	\$21	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0
112. Communication	5,256	7,121	8,987	8,534	10,500	8,345	10,500		10,600	10,700	10,800	10,900
113. Emer/Safety Equipment	370	1,786	9,558	4,697	4,500	2,828	5,050		4,150	4,300	4,450	4,550
115. Eqpt/Eqpt Repair	31,768	56,623	198,834	73,191	41,050	28,549	45,450		37,100	38,200	39,350	40,500
116. Supplies	5,355	5,609	4,026	4,893	5,500	5,130	5,500		5,600	5,750	5,950	6,100
117. Employee/Duty Costs	8,640	7,289	11,967	9,951	13,500	9,633	13,500		13,800	14,000	14,300	14,600
124. Contract Services	34,399	135,226	81,513	71,093	132,100	113,542	132,100		132,800	133,400	134,050	134,750
900. Collection System Repair	964,860	1,018,488	1,889,063	1,887,222	2,331,600	2,411,889	1,481,600		831,600	2,431,600	2,431,600	2,131,600
127. JULIE	14,782	16,093	16,950	17,386	16,900	16,808	16,900		17,900	19,000	20,150	21,350
128. Overhead Sewer Program	23,500	18,961	6,633	11,080	36,000	26,522	15,000		15,000	15,000	15,000	15,000
129. Public Sewer Blockage Program	9,355	5,583	16,379	3,232	12,000	6,426	12,000		12,000	12,000	12,000	12,000
Subtotal	\$1,098,305	\$1,272,780	\$2,243,910	\$2,091,278	\$2,603,650	\$2,629,673	\$1,737,600	\$2,090,000	\$1,080,550	\$2,683,950	\$2,687,650	\$2,391,350
C. Vehicles												
222. Gas/Fuel	\$18,707	\$13,935	\$10,023	\$14,490	\$26,500	\$18,521	\$26,500		\$28,100	\$29,800	\$31,550	\$33,450
225. Operation/Repair	5,686	2,404	8,841	10,189	6,500	7,944	6,500		6,700	6,900	7,100	7,300
226. Vehicle Purchase	23,773	133	0	36,242	0	411	20,000		0	40,000	25,000	300,000
Subtotal	\$48,166	\$16,472	\$18,863	\$60,921	\$33,000	\$26,875	\$53,000	\$70,000	\$34,800	\$76,700	\$63,650	\$340,750
TOTALS	\$1,568,735	\$1,719,301	\$2,706,203	\$2,596,088	\$3,153,450	\$3,178,215	\$2,237,400	\$2,680,000	\$1,577,750	\$3,239,250	\$3,246,650	\$3,244,850

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2019-2020 to 2023-2024

EXHIBIT 1

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 19-20 Appropriation	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
15. Lift Stations												
A. Salary & Wages												
009. Oper. Management	\$167	\$94	\$350	\$5,734	\$450	\$12,489	\$450		\$450	\$500	\$500	\$500
030. Building & Grounds	2,175	750	1,274	1,943	0	876	0		0	0	0	0
080. Lift Station Maint.	29,737	38,896	36,061	73,740	68,600	66,031	70,050		72,500	75,050	77,700	80,400
Subtotal	\$32,080	\$39,740	\$37,685	\$81,418	\$69,050	\$79,396	\$70,500	\$80,000	\$72,950	\$75,550	\$78,200	\$80,900
B. Operation & Maintenance												
100. Electricity	\$106,194	\$102,003	\$102,568	\$109,875	\$116,000	\$119,380	\$123,450		\$130,850	\$138,700	\$147,050	\$155,850
102. Water, Garbage, Other	\$143	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0
104. Fuel - Generators	6,620	2,595	3,600	3,337	4,500	\$4,669	5,000		5,150	5,300	5,450	5,650
112. Communication	4,669	5,892	3,932	4,040	5,500	4,242	5,500		5,500	5,600	5,700	5,800
113. Emer/Safety Eqpt.	75	0	145	74	250	200	250		250	250	250	300
500. Eqpt/Eqpt Repair	134,270	161,721	145,386	93,296	161,750	138,688	171,200		133,350	135,850	185,350	161,300
116. Supplies	240	215	493	387	300	789	400		400	400	450	450
800. Building & Grounds	76,902	18,480	14,140	61,657	31,700	36,742	46,900		42,350	22,800	28,250	19,000
Subtotal	\$329,112	\$290,906	\$270,264	\$272,665	\$320,000	\$304,711	\$352,700	\$420,000	\$317,850	\$308,900	\$372,500	\$348,350
TOTALS	\$361,192	\$330,645	\$307,949	\$354,083	\$389,050	\$384,106	\$423,200	\$500,000	\$390,800	\$384,450	\$450,700	\$429,250
17. Insurance & Employee Benefits												
E. Insurance & Payroll												
452. Liability/Property	\$205,995	\$201,984	\$203,477	\$182,779	\$196,600	\$182,713	\$192,500		\$194,700	\$200,700	\$204,500	\$210,600
455. Employee Group Coverage	432,153	409,005	429,914	456,818	479,500	509,024	529,250		560,450	593,550	628,600	665,750
460. I.M.R.F.	430,592	310,245	297,755	311,454	330,500	328,724	277,350		286,150	271,250	255,000	241,400
461. Social Security	190,804	189,946	192,335	209,026	221,400	216,196	235,150		232,450	240,550	248,900	257,600
TOTALS	\$1,259,545	\$1,111,180	\$1,123,481	\$1,160,077	\$1,228,000	\$1,236,657	\$1,234,250	\$1,400,000	\$1,273,750	\$1,306,050	\$1,337,000	\$1,375,350
GRAND TOTALS	\$7,546,493	\$7,379,248	\$8,299,047	\$8,295,420	\$9,225,250	\$9,130,396	\$9,429,400	\$11,110,000	\$9,494,950	\$9,849,250	\$10,109,800	\$10,318,550

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2019-2020 to 2023-2024

EXHIBIT 1

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 19-20 Appropriation	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
REVENUES												
User receipts	\$3,289,152	\$3,195,706	\$3,107,149	\$3,181,525	\$3,344,800	\$3,235,028	\$3,315,400	\$3,315,400	\$3,379,100	\$3,441,200	\$3,585,900	\$3,738,000
Surcharges	346,091	343,098	352,938	335,186	325,000	342,697	325,000	325,000	325,000	325,000	325,000	325,000
Monthly service fees	2,608,883	2,842,996	3,201,483	3,571,582	3,827,900	3,828,598	4,069,100	4,069,100	4,205,300	4,325,900	4,341,600	4,446,500
Plan review fees	986	642	0	2,481	1,000	564	1,000	1,000	2,000	3,000	4,000	4,000
Const inspection fees	0	462	928	0	500	150	500	500	500	500	500	500
Permit inspection fees	25,008	25,505	24,366	27,661	22,000	25,377	22,000	22,000	22,000	22,000	22,000	22,000
Interest	5,019	5,333	7,111	14,562	15,000	42,137	35,000	35,000	35,000	35,000	35,000	35,000
Sampling & monitoring charges	73,843	79,421	88,834	94,702	70,000	99,780	70,000	70,000	72,500	75,000	77,500	80,000
Real estate taxes	1,080,927	1,105,162	1,126,923	1,144,467	1,167,500	1,172,554	1,188,550	1,188,550	1,209,900	1,231,700	1,253,850	1,276,400
Television inspection fees	0	159	227	0	150	0	150	150	150	150	150	150
Replacement taxes	83,215	84,306	88,559	72,184	79,800	74,733	75,000	75,000	75,000	75,000	75,000	75,000
Lease payments	32,905	33,096	33,043	33,375	33,500	33,695	33,500	33,500	34,100	34,800	35,500	36,200
Miscellaneous	5,794	6,984	29,070	15,017	10,000	4,469	10,000	10,000	10,000	10,000	10,000	10,000
Grease Waste	136,551	160,384	213,518	201,690	200,000	231,557	220,000	220,000	220,000	220,000	220,000	220,000
Renewable Energy Credits				4,644	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
TOTAL REVENUES	\$7,688,373	\$7,883,253	\$8,274,150	\$8,699,075	\$9,100,150	\$9,094,341	\$9,368,200	\$9,368,200	\$9,593,550	\$9,802,250	\$9,989,000	\$10,271,750
TOTAL EXPENSES	\$7,546,493	\$7,379,248	\$8,299,047	\$8,295,420	\$9,204,250	\$9,130,396	\$9,429,400	\$11,110,000	\$9,494,950	\$9,849,250	\$10,109,800	\$10,318,550
EXCESS (DEFICIT) REVENUES OVER EXPENSES	\$141,880	\$504,005	(\$24,897)	\$403,655	(\$104,100)	(\$36,055)	(\$61,200)	(\$1,741,800)	\$98,600	(\$47,000)	(\$120,800)	(\$46,800)
ENDING FUND BALANCE	\$1,913,747	\$2,417,752	\$2,392,855	\$2,796,510	\$2,692,410	\$2,760,455	\$2,699,255	\$1,018,655	\$2,797,855	\$2,750,855	\$2,630,055	\$2,583,255
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	\$1,093,747	\$1,597,752	\$1,572,855	\$1,976,510	\$1,872,410	\$1,940,455	\$1,879,255		\$1,977,855	\$1,930,855	\$1,810,055	\$1,763,255
ENDING FUND BALANCE AS PERCENTAGE OF TOTAL EXPENSES	25%	33%	29%	34%	29%	30%	29%		29%	28%	26%	25%
USER RATE	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$1.70		\$1.75	\$1.80	\$1.90	\$2.00
INCREASE FROM PRIOR YEAR'S RATE	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%		2.9%	2.9%	5.6%	5.3%
MONTHLY SERVICE FEE	\$11.00	\$12.00	\$13.50	\$15.00	\$16.00	\$16.00	\$17.00		\$17.50	\$18.00	\$18.00	\$18.50
INCREASE FROM PRIOR YEAR'S FEE	10.0%	9.1%	12.5%	11.1%	6.7%	6.7%	6.3%		2.9%	2.9%	0.0%	2.8%

## 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 2019-20 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 2019-20 are budgeted at \$9,429,400 and actual expenditures are expected to be 100% of budget. Actual expenditures for FY 2018-19 are projected to be \$9,130,396. The following table presents budget and actual totals for the last ten years and projected budget totals for the next five years:

<u>Fiscal Year</u>	<u>O &amp; M Budget</u>	<u>Actual Expenditures</u>	<u>% of Actual to Budget</u>	<u>Annual Increase in Actual Expenditures</u>
2009-10	7,331,500	7,742,838	106%	3.2%
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	9,130,396*	99%*	10.1%*
2019-20	9,429,400	9,429,400*	100%*	3.3%*
2020-21	9,494,950	9,494,950*	100%*	0.7%*
2021-22	9,849,250	9,849,250*	100%*	3.7%*
2022-23	10,109,800	10,109,800*	100%*	2.6%*
2023-24	10,318,550	10,318,550*	100%*	2.1%*
*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. Increases from FY 2018-19 to FY 2022-23 represent expected increases in the cost of goods and services and some variability in fixed assets needing replacement.

## Analysis by Type of Expenditure

### I. Salaries and Wages

<u>Year</u>	<u>Salaries and Wages</u>	<u>Change</u>	<u>Full Time Equivalents</u>
FY 2014-15	2,546,080	5.8%	37.4
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	2,929,878	7.9%	37.6
FY 2019-20	3,120,350	6.5%	38.5
FY 2020-21	3,086,450	-1.1%	37.6
FY 2021-22	3,193,900	3.5%	37.6
FY 2022-23	3,304,950	3.5%	37.6
FY 2023-24	3,420,100	3.5%	37.6

The total for FY 2014-15 reflects the conversion of a part time mechanic's helper to a full time mechanic position and overlapping turnover at the plant operator position. 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. 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 2014-15	422,096	-16.1%
FY 2015-16	338,117	-19.9%
FY 2016-17	339,270	0.3%
FY 2017-18	293,443	-13.5%
FY 2018-19	235,142	-19.9%
FY 2019-20	248,600	5.7%
FY 2020-21	262,400	5.6%
FY 2021-22	277,050	5.6%
FY 2022-23	292,500	5.6%
FY 2023-24	308,850	5.6%

The first phase of the CHP gas utilization system was started up during FY 2014-15, and 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. 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

<u>Year</u>	<u>O &amp; M Expenses - Excluding Utilities</u>	<u>Change</u>
FY 2014-15	3,196,840	4.1%
FY 2015-16	3,296,692	3.1%
FY 2016-17	4,200,792	27.4%
FY 2017-18	4,030,120	-4.1%
FY 2018-19	4,657,933	15.6%
FY 2019-20	4,690,800	0.7%
FY 2020-21	4,763,850	1.6%
FY 2021-22	4,904,050	2.9%
FY 2022-23	5,002,650	2.0%
FY 2023-24	4,786,700	-4.3%

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. Major planned expenses are detailed in Exhibit 2.

IV. Vehicles

<u>Year</u>	<u>Vehicles</u>	<u>Replacements</u>	<u>Change</u>
FY 2014-15	121,953	4	-65.1%
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	70,768	1	-26.0%
FY 2019-20	135,400	3	91.3%
FY 2020-21	108,500	2	-19.9%
FY 2021-22	168,200	5	55.0%
FY 2022-23	172,700	4	2.7%
FY 2023-24	427,550	3	147.6%

Vehicle expenses fluctuate based on vehicle replacement needs and average \$142,964 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. Fuel prices have recently risen from recent lows. 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>	<u>Ins/Emp Benefits</u>	<u>Change</u>
FY 2014-15	1,259,545	2.5%
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	1,236,657	6.6%
FY 2019-20	1,234,250	-0.2%
FY 2020-21	1,273,750	3.2%
FY 2021-22	1,306,050	2.5%
FY 2022-23	1,337,000	2.4%
FY 2023-24	1,375,350	2.9%

The proposed increases in these expenditures are due to premium increases on all coverages, particularly employee group, workers compensation, property and liability. Projected decreases in the District's IMRF contribution rate help mitigate the overall increase over time. \$100,000 annual lump-sum IMRF payments were included in FY 2012-13, FY 2013-14, and FY 2014-15 to reduce the District's unfunded liability and future contribution rates. The IMRF unfunded liability has been reduced substantially, resulting in lower contribution rates, which are expected to be off-set somewhat when IMRF's assumed earnings rate decreases effective in 2020.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2019-2020 to 2023-2024

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 19-20 Appropriation	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
ADMINISTRATION												
SALARIES AND WAGES	\$775,190	\$790,410	\$775,142	\$789,783	\$873,700	\$873,863	\$1,093,650	\$1,250,000	\$988,900	\$1,022,900	\$1,058,050	\$1,094,450
% CHANGE FROM PRIOR YEAR	2.6%	2.0%	-1.9%	1.9%	10.6%	10.6%	25.2%		-9.6%	3.4%	3.4%	3.4%
OFFICE EXPENSES	\$348,637	\$311,736	\$347,961	\$370,498	\$397,050	\$388,310	\$396,250	\$480,000	\$427,000	\$461,550	\$431,800	\$444,450
% CHANGE FROM PRIOR YEAR	-2.2%	-10.6%	11.6%	6.5%	7.2%	4.8%	2.0%		7.8%	8.1%	-6.4%	2.9%
VEHICLE EXPENSES	\$18,086	\$10,534	\$1,288	\$1,267	\$3,350	\$2,021	\$3,200	\$10,000	\$3,400	\$18,500	\$23,300	\$3,300
% CHANGE FROM PRIOR YEAR	423.2%	-41.8%	-87.8%	-1.7%	164.5%	59.6%	58.3%		6.3%	444.1%	25.9%	-85.8%
TOTAL ADMINISTRATION EXPENSES	\$1,141,913	\$1,112,681	\$1,124,391	\$1,161,547	\$1,274,100	\$1,264,194	\$1,493,100	\$1,740,000	\$1,419,300	\$1,502,950	\$1,513,150	\$1,542,200
% CHANGE FROM PRIOR YEAR	2.4%	-2.6%	1.1%	3.3%	9.7%	8.8%	18.1%		-4.9%	5.9%	0.7%	1.9%

COMMENTS

Salaries and Wages	Salary levels generally increase with projected salary adjustments, with some variability from future retirements, and addition of a new engineering 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	Vehicle costs reflect fuel and normal maintenance and repairs, and replacement of vehicles in FY 21-22 and FY 22-23.



DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2019-2020 to 2023-2024

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 19-20 Appropriation	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
WASTEWATER TREATMENT CENTER												
SALARIES AND WAGES	\$1,136,161	\$1,094,494	\$1,136,698	\$1,190,263	\$1,256,350	\$1,232,731	\$1,273,950	\$1,470,000	\$1,318,500	\$1,364,650	\$1,412,350	\$1,461,800
% CHANGE FROM PRIOR YEAR	12.4%	-3.7%	3.9%	4.7%	5.6%	3.6%	3.3%		3.5%	3.5%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$1,789,244	\$1,709,553	\$1,561,447	\$1,521,669	\$1,555,450	\$1,521,316	\$2,365,150	\$2,840,000	\$3,067,950	\$1,631,350	\$1,695,300	\$1,810,800
% CHANGE FROM PRIOR YEAR	0.8%	-4.5%	-8.7%	-2.5%	2.2%	0.0%	55.5%		29.7%	-46.8%	3.9%	6.8%
VEHICLE EXPENSES	\$53,569	\$57,780	\$15,969	\$33,017	\$54,500	\$41,302	\$78,500	\$90,000	\$69,600	\$72,300	\$70,000	\$62,700
% CHANGE FROM PRIOR YEAR	19.4%	7.9%	-72.4%	106.8%	65.1%	25.1%	90.1%		-11.3%	3.9%	-3.2%	-10.4%
TOTAL PLANT EXPENSES	\$2,978,973	\$2,861,828	\$2,714,115	\$2,744,949	\$2,866,300	\$2,795,348	\$3,717,600	\$4,400,000	\$4,456,050	\$3,068,300	\$3,177,650	\$3,335,300
% CHANGE FROM PRIOR YEAR	5.2%	-3.9%	-5.2%	1.1%	4.4%	1.8%	33.0%		19.9%	-31.1%	3.6%	5.0%

COMMENTS

Salaries and Wages	WWTC salaries and wages reflect full staffing and projected annual salary adjustments.
Operation and Maintenance	Operation and maintenance expenses include sludge handling improvements in FYE 20 and FYE 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.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2019-2020 to 2023-2024

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 19-20 Appropriation	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
LABORATORY												
SALARIES AND WAGES	\$180,387	\$193,304	\$199,198	\$210,735	\$225,950	\$222,221	\$235,450	\$270,000	\$243,700	\$252,200	\$261,000	\$270,200
% CHANGE FROM PRIOR YEAR	6.3%	7.2%	3.0%	5.8%	7.2%	5.5%	6.0%		3.5%	3.5%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$53,617	\$49,835	\$116,480	\$67,454	\$87,700	\$49,066	\$87,700	\$110,000	\$132,900	\$95,350	\$107,900	\$100,600
% CHANGE FROM PRIOR YEAR	-42.9%	-7.1%	133.7%	-42.1%	30.0%	-27.3%	78.7%		51.5%	-28.3%	13.2%	-6.8%
VEHICLE EXPENSES	\$2,131	\$474	\$7,230	\$487	\$700	\$588	\$700	\$10,000	\$700	\$700	\$15,750	\$20,800
% CHANGE FROM PRIOR YEAR	-263.8%	-77.8%	1424.7%	-93.3%	43.7%	20.8%	19.0%		0.0%	0.0%	2150.0%	32.1%
TOTAL LABORATORY EXPENSES	\$236,135	\$243,613	\$322,907	\$278,675	\$314,350	\$271,875	\$323,850	\$390,000	\$377,300	\$348,250	\$384,650	\$391,600
% CHANGE FROM PRIOR YEAR	-9.9%	3.2%	32.5%	-13.7%	12.8%	-2.4%	19.1%		16.5%	-7.7%	10.5%	1.8%

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 and 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 and the lab van for FY 23-24.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2019-2020 to 2023-2024

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 19-20 Appropriation	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
COLLECTION SYSTEM												
SALARIES AND WAGES	\$422,264	\$430,049	\$443,429	\$443,889	\$516,800	\$521,668	\$446,800	\$520,000	\$462,400	\$478,600	\$495,350	\$512,750
% CHANGE FROM PRIOR YEAR	1.3%	1.8%	3.1%	0.1%	16.4%	17.5%	-14.4%		3.5%	3.5%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$1,098,305	\$1,272,780	\$2,243,910	\$2,091,278	\$2,603,650	\$2,629,673	\$1,737,600	\$2,090,000	\$1,080,550	\$2,683,950	\$2,687,650	\$2,391,350
% CHANGE FROM PRIOR YEAR	5.4%	15.9%	76.3%	-6.8%	24.5%	25.7%	-33.9%		-37.8%	148.4%	0.1%	-11.0%
VEHICLE EXPENSES	\$48,166	\$16,472	\$18,863	\$60,921	\$33,000	\$26,875	\$53,000	\$70,000	\$34,800	\$76,700	\$63,650	\$340,750
% CHANGE FROM PRIOR YEAR	-84.0%	-65.8%	14.5%	223.0%	-45.8%	-55.9%	97.2%		-34.3%	120.4%	-17.0%	435.3%
TOTAL COLLECTION SYSTEM EXPENSES	\$1,568,735	\$1,719,301	\$2,706,203	\$2,596,088	\$3,153,450	\$3,178,215	\$2,237,400	\$2,680,000	\$1,577,750	\$3,239,250	\$3,246,650	\$3,244,850
% CHANGE FROM PRIOR YEAR	-10.9%	9.6%	57.4%	-4.1%	21.5%	22.4%	-29.6%		-29.5%	105.3%	0.2%	-0.1%

COMMENTS

Salaries and Wages	The decrease in FYE 20 reflects the planned retirement of the senior inspector. 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. I/I program expenses increase as the plan moves forward.
Vehicles	Future vehicle purchases are shown in Exhibit 2 under section 14C226.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2019-2020 to 2023-2024

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 19-20 Appropriation	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
LIFT STATIONS												
SALARIES AND WAGES	\$32,080	\$39,740	\$37,685	\$81,418	\$69,050	\$79,396	\$70,500	\$80,000	\$72,950	\$75,550	\$78,200	\$80,900
% CHANGE FROM PRIOR YEAR	-41.0%	23.9%	-5.2%	116.0%	-15.2%	-2.5%	-11.2%		3.5%	3.6%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$329,112	\$290,906	\$270,264	\$272,665	\$320,000	\$304,711	\$352,700	\$420,000	\$317,850	\$308,900	\$372,500	\$348,350
% CHANGE FROM PRIOR YEAR	7.5%	-11.6%	-7.1%	0.9%	17.4%	11.8%	15.7%		-9.9%	-2.8%	20.6%	-6.5%
TOTAL LIFT STATION EXPENSES	\$361,192	\$330,645	\$307,949	\$354,083	\$389,050	\$384,106	\$423,200	\$500,000	\$390,800	\$384,450	\$450,700	\$429,250
% CHANGE FROM PRIOR YEAR	0.2%	-8.5%	-6.9%	15.0%	9.9%	8.5%	10.2%		-7.7%	-1.6%	17.2%	-4.8%

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 a motor control center replacement at Earlston lift station, replacement of portable pumps, internal testing of the Wroble forcemain, and engineering planning work for needed major rehabilitation work at Butterfield and College lift stations.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2019-2020 to 2023-2024

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 19-20 Appropriation	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
INSURANCE AND EMPLOYEE BENEFITS												
TOTAL INSURANCE/EMPLOYEE BENEFITS	\$1,259,545	\$1,111,180	\$1,123,481	\$1,160,077	\$1,228,000	\$1,236,657	\$1,234,250	\$1,400,000	\$1,273,750	\$1,306,050	\$1,337,000	\$1,375,350
% CHANGE FROM PRIOR YEAR	2.5%	-11.8%	1.1%	3.3%	5.9%	6.6%	-0.2%		3.2%	2.5%	2.4%	2.9%

COMMENTS

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

1. Expecting annual net increases in liability and property premiums of 2%, and annual premium increases of 3% each year for workers compensation.
2. Increases of 6% for employee group medical and dental each year.
3. The District's IMRF contributions are expected to increase moderately in 2020, then decrease over the subsequent 4 year period. In 2020, IMRF's assumed investment earnings rate will be decreased. After 2020, rates are projected to decrease due to good recent investment
4. No change is expected in the District's social security contribution rate.

DOWNERS GROVE SANITARY DISTRICT  
MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE  
FISCAL YEARS 2019-20 TO 2023-24

EXHIBIT 2

	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24
11B115 (ADMIN-Eqpt/Eqpt Repair)					
1.Office software licensing updates		20,000			
2.Replace data servers			30,000		30,000
3.Update website			9,000		
Annual Totals	\$0	\$20,000	\$39,000	\$0	\$30,000
11B118 (ADMIN-Building & Grounds)					
1.Upgrade front entrance			35,000	35,000	
2.Re-roof admin building					15,000
3.Replace carpeting		23,000			
Annual Totals	\$0	\$23,000	\$35,000	\$35,000	\$15,000
11B137 (ADMIN-Dues/Subscriptions)					
1.National association of clean water agencies	1,200	1,200	1,200	1,250	1,250
2.Illinois association of wastewater agencies	4,550	4,600	4,650	4,700	4,750
Annual Totals	\$5,750	\$5,800	\$5,850	\$5,950	\$6,000
11C226 (ADMIN-Vehicle Purchases)					
1.Administration vehicles			18,000	25,000	
2.Sale of old vehicles			(3,000)	(5,000)	
Annual Totals	\$0	\$0	\$15,000	\$20,000	\$0
12B500 (WWTC-Eqpt/Eqpt Repair)					
1.Raw sewage pumping					
a.Protective coatings	15,000				
2.Grit removal system					
a.Grit cyclone overhaul			10,000		
b.Conveyor overhaul	20,000				
c.Grit classifier overhaul					15,000
d.Grit pump overhaul	8,250	8,500		8,750	9,000
3.Primary treatment					
a.Scum trough replacement	10,000	10,250	10,500		
b.Sludge collector replacement	8,000	8,000		3,000	3,100
4.Secondary treatment					
a.Protective coatings - secondary clarifiers	27,500	50,000	45,000	46,500	60,000
b.Hoffman/PD blower overhaul					30,000
c.Aeration tank influent gate actuator	8,000	8,250			
d.DO probe replacement				10,000	
e.Railing and decking	25,500	19,000			
5.Intermediate clarifiers					
a.Intermediate sludge pumps (2) - overhaul	5,000	5,000			
6.Sand filters					
a.Waste washwater pumps (2) overhaul	4,000	4,000			
7.Disinfection equipment					
a.Fiberglass tank inspections/repairs					6,750
b.ORP probe replacement			8,000		
c.OSEC brine pump replacement - feed/transfer		8,000	11,000		
d.Bisulfite pump replacements				8,750	9,000
e.Hypochlorite feed pump replacements				11,250	11,500
f.Hypochlorite feed pump VFD replacements		2,250	2,350		

DOWNERS GROVE SANITARY DISTRICT  
MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE  
FISCAL YEARS 2019-20 TO 2023-24

EXHIBIT 2

	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24
8.Excess flow tanks					
a.Overhaul sludge grinder					10,000
b.Clarifier scum trough replacement		20,000			
c.Overhaul sludge pumps			5,000	5,500	
d.Control panel replacement	40,000				
9.Sludge concentrators					
a.Sludge pump overhauls	4,000			4,500	
b.New mechanical thickener	750,000				
10.Sludge digestion					
a.Re-coat/repair covers			44,000		
b.Digester 3 gas wasting control upgrade		20,000			
c.Digester 5 gas flare repair and control uprade	20,000				
d.Replace digester 2 mixing equipment				200,000	
11.Sludge dewatering system					
a.Belt press feed pump replacement			9,500		10,000
b.Plug valve replacements	4,500	4,650			
c.Curtiss lagoon drain system repairs	15,000	15,000			
d.Drying bed repairs				25,000	25,000
12.Biosolids handling equipment					
a.Articulated wheel loader replacement					65,000
b.Bobcat replacement	50,000				
c.Auger replacements		30,000			
d.Dump truck - 12 yd, replacement					100,000
e.Trommel screen replacement			175,000		
f.Sludge storage/aging expansion		1,500,000			
13.Maintenance/utilities					
a.Replace portable pump					9,000
b.Main switchgear maintenance		5,250			
c.CHP Engine overhaul			70,000		150,000
d.CHP Generator re-build		30,000			
e.Autosampler replacement			9,500	8,500	
f.Emergency generator control panel replacement				100,000	
g.Yard piping repairs	45,000	46,350	47,750	49,150	50,650
Annual Totals	\$1,059,750	\$1,794,500	\$447,600	\$480,900	\$564,000
12B800 (WWTC-Building & Grounds)					
1.Roof repairs	45,000	13,500	18,000		18,000
2.Road / sidewalk repair	50,000	40,000	10,000	10,000	
3.Window / door replacement	12,000	18,000	7,500	27,750	8,000
4.HVAC repairs	6,500	2,500	7,500	3,000	
5.Outside stairs, railings, gratings, and fencing	16,000	12,500			15,000
6.Tuckpointing	35,000	35,000	35,000	35,000	35,000
7.Interior painting	15,000	15,500	16,000	16,500	17,000
Annual Totals	\$179,500	\$137,000	\$94,000	\$92,250	\$93,000

DOWNERS GROVE SANITARY DISTRICT  
MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE  
FISCAL YEARS 2019-20 TO 2023-24

EXHIBIT 2

	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24
12B124 (WWTC-Contract Services)					
1.DRSCW membership/stream restoration	203,700	209,800	216,100	222,600	229,300
Annual Totals	\$203,700	\$209,800	\$216,100	\$222,600	\$229,300
12B130 (WWTC-NPDES Permit Fees)					
1.Annual permit fees	53,000	53,000	53,000	53,000	53,000
Annual Totals	\$53,000	\$53,000	\$53,000	\$53,000	\$53,000
12C226 (WWTC-Vehicle Purchases)					
1.Operations supervisor pickup		28,000			30,000
2.Maintenance supervisor pickup			28,000		
3.Electric cart	10,000	10,500	11,000		
4.Maintenance aux truck	41,000				
5.Lift station pickup				40,000	
6.Sale of old vehicles	(10,000)	(7,500)	(6,500)	(11,000)	(9,500)
Annual Totals	\$41,000	\$31,000	\$32,500	\$29,000	\$20,500
13B115 (LAB-Eqpt/Eqpt Repair)					
1.Casework/mold abatement		50,000			
2.Autoclave			15,000		
3.Incubators			10,000	5,000	
4.Rotovapor					5,000
5.Autotitrator					10,000
6.Spectrophotometer				10,000	
Annual Totals	\$0	\$50,000	\$25,000	\$15,000	\$15,000
13C226 (LAB-Vehicle Purchase)					
1.Lab car				18,000	
2.Lab van					28,000
3.Sale of old vehicle				(3,000)	(8,000)
Annual Totals	\$0	\$0	\$0	\$15,000	\$20,000
14B115 (SEWER SYSTEM-Eqpt/Eqpt Repair)					
1.Flow meter replacement	5,500				
Annual Totals	\$5,500	\$0	\$0	\$0	\$0
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	25,000	25,000	25,000	25,000	25,000
c.Building sanitary services	550,000	550,000	550,000	550,000	550,000
2.Sewer replacements and rehabilitation					
a.Sewer rehab/replacement	500,000		1,350,000	1,350,000	1,350,000
3.I/I Program			100,000	100,000	100,000
4.Outfall pipe rehabilitation and repair	150,000		150,000	150,000	150,000
5.IEPA ARRA loan repayment	181,600	181,600	181,600	181,600	181,600
Annual Totals	\$1,481,600	\$831,600	\$2,431,600	\$2,431,600	\$2,431,600



DOWNERS GROVE SANITARY DISTRICT  
MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE  
FISCAL YEARS 2019-20 TO 2023-24

EXHIBIT 2

	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24
14C226 (SEWER SYSTEM-Vehicle Purchases)					
1.Inspection/technician vans	25,000		25,000	30,000	
2.Maintenance supervisor pickup			25,000		
3.Combination vacuum/jet truck					375,000
4.Sale of old vehicles	(5,000)		(10,000)	(5,000)	(75,000)
Annual Totals	\$20,000	\$0	\$40,000	\$25,000	\$300,000
15B500 (LIFT STATIONS-Eqpt/Eqpt Repair)					
1.Butterfield lift station					
a.Pump overhaul		4,500		2,550	2,650
b.Planning study			30,000		
2.Centex lift station					
a.Pump overhaul	2,750	2,850			
3.College lift station					
a.Pump overhaul		14,500			15,500
b.Planning study					30,000
4.Earlston lift station					
a.Pump overhaul	10,250				
b.Replace pump					15,000
c.Replace MCC	60,000				
5.Hobson lift station					
a.Pump overhaul		9,000		9,750	10,000
6.Northwest					
a.Pump overhaul	3,000	3,250	3,500		
b.Impeller replacements		6,000	6,000		
7.Wroble lift station					
a.Pump overhaul		8,500	8,750		
b.Forcemain internal investigation				50,000	
8.General maintenance					
a.Portable pump replacements			8,500	42,500	
b.Forcemain air valve restoration	20,000	5,000			
Annual Totals	\$96,000	\$53,600	\$56,750	\$104,800	\$73,150
15B800 (LIFT STATIONS-Building & Grounds)					
1.Northwest access road improvements	15,000	10,000			
2.Cathodic protection testing		2,500			2,750
3.Painting		15,000	7,500	12,500	
4.Wroble floor restoration	17,500				
Annual Totals	\$32,500	\$27,500	\$7,500	\$12,500	\$2,750
IMPROVEMENT FUND					
1.Future special assessments				200,000	200,000
2.IEPA loan repayment	93,200	93,200	93,200	93,200	93,200
3.Renovate Centex LS		50,000	950,000		
Annual Totals	\$93,200	\$143,200	\$1,043,200	\$293,200	\$293,200
CONSTRUCTION FUND					
1.IEPA loan repayment	28,900	28,900	28,900	28,900	28,900
Annual Totals	\$28,900	\$28,900	\$28,900	\$28,900	\$28,900
GRAND TOTALS	\$3,400,400	\$3,508,900	\$4,671,000	\$3,964,700	\$4,275,400

## 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 or above the target of 25% of annual expenses.

### 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 \$1.65 to \$1.70 per 1000 gallons of metered water consumption. This rate was last increased in April, 2008. User rate increases of \$0.05 are anticipated in FY 2020-21 and FY 2021-22, and increases of \$0.10 are anticipated in FY 2022-23 and FY 2023-24. User receipts during FY 2018-19 are projected at \$3,235,028 based upon a rate of \$1.65 per 1000 gallons, a billable flow of 5.459 MGD and late charges and delinquent account fees of 1.25%. This estimate of billable flow compares with recent experience as indicated below:

<u>Fiscal Year</u>	<u>Net Billable Flow (MGD)</u>	<u>Amount of Summer Usage Adjustments</u>
1997-98	6.397	85,990
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	5.444	60,919
2015-16	5.491	70,619
2016-17	5.518	82,814
2017-18	5.755	139,711
2018-19	5.459*	94,995

\*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 2019-20 projections of user receipts are based on a billable flow of 5.295 MGD, which represents a 3.0% anticipated reduction in billable flow under FY 2018-19 levels. Water supply utilities' efforts at reducing water consumption are expected to continue to result in future reductions in billable flow. After FY 2019-20, this plan reflects a 1.0% 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 projected to remain near current levels.

#### Monthly Service Fees

The plan reflects an increase in the monthly fee from \$16.00 per month (\$192.00 per year) for FY 2018-19 to \$17.00 per month (\$204 per year) for FY 2019-20, with \$0.50 increases in FY 2020-21, FY 2021-22 and FY 2023-24. The monthly fee was last increased in April, 2018. 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 5 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 1.8% each year over the 5 year planning period.

### Television Inspection Fees

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 2019-20 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.

### Miscellaneous

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 4/30/20 is \$2,699,255. 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.

DOWNERS GROVE SANITARY DISTRICT  
ANNUAL RESIDENTIAL CHARGES FOR WASTEWATER COLLECTION AND TREATMENT SERVICES

EXHIBIT 3

	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budgeted	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
USER CHARGES											
RATE PER 1000 GALS	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$1.70	\$1.75	\$1.80	\$1.90	\$2.00
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	\$158.40	\$163.20	\$168.00	\$172.80	\$182.40	\$192.00
PROPERTY TAXES											
YEAR TAXES PAID	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
MEDIAN ASSESSED VALUE	\$93,520	\$83,920	\$84,020	\$88,150	\$88,150	\$93,940	\$99,389	\$105,153	\$111,252	\$117,705	\$124,531
DISTRICT TAX RATE	0.0405	0.0436	0.0448	0.0434	0.0413	0.0409	0.0405	0.0401	0.0397	0.0393	0.0389
ANNUAL TAXES PAID	\$37.88	\$36.59	\$37.64	\$38.26	\$36.41	\$38.42	\$40.25	\$42.17	\$44.17	\$46.26	\$48.44
MONTHLY SERVICE FEE											
MONTHLY SERVICE FEE	\$10.00	\$11.00	\$12.00	\$13.50	\$15.00	\$16.00	\$17.00	\$17.50	\$18.00	\$18.00	\$18.50
ANNUAL SERVICE FEE	\$120.00	\$132.00	\$144.00	\$162.00	\$180.00	\$192.00	\$204.00	\$210.00	\$216.00	\$216.00	\$222.00
TOTAL ANNUAL COST	\$316.28	\$326.99	\$340.04	\$358.66	\$374.81	\$388.82	\$407.45	\$420.17	\$432.97	\$444.66	\$462.44
TOTAL MONTHLY COST	\$26.36	\$27.25	\$28.34	\$29.89	\$31.23	\$32.40	\$33.95	\$35.01	\$36.08	\$37.05	\$38.54
ANNUAL PERCENT CHANGE	3.3%	3.4%	4.0%	5.5%	4.5%	3.7%	4.8%	3.1%	3.0%	2.7%	4.0%
TEN YEAR AVERAGE ANNUAL PERCENT CHANGE	3.2%	3.4%	3.8%	3.6%	3.3%	3.3%	3.1%	3.3%	3.4%	3.6%	3.8%

DOWNERS GROVE SANITARY DISTRICT  
FIVE YEAR FINANCIAL PLAN  
CONSTRUCTION FUND  
FISCAL YEARS 2019-20 TO 2023-24

EXHIBIT 4

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
REVENUES											
Sewer permit fees	\$264,260	\$498,015	\$532,902	\$296,607	\$250,000	\$175,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
Interest	\$31,449	\$8,655	\$3,007	\$324	\$5,500	\$300	\$10,000	\$17,250	\$20,850	\$24,500	\$28,200
Repayments - equipment replacement											
Belt filter press	\$200,000										
Plant switchgear	\$98,350		\$68,250	\$194,588							
Digester 4 mixing replacement		\$200,000	\$110,252								
State of Illinois Grant		\$174,000	\$49,000	\$197,876							
ICECF Grant		\$51,000			\$500,000		\$500,000				
Total Revenues	\$594,060	\$931,670	\$763,411	\$689,395	\$755,500	\$175,300	\$760,000	\$267,250	\$270,850	\$274,500	\$278,200
EXPENSES											
IEPA loan repayment	\$28,807	\$28,807	\$28,807	\$28,807	\$28,900	\$28,807	\$28,900	\$28,900	\$28,900	\$28,900	\$28,900
Digester gas utilization equipment	\$580,350	\$99,512	\$1,243,647	\$378,775							
Grit blower efficiency upgrade			\$34,036								
Grease receiving expansion			\$8,786	\$594,682							
Digester 4 mixing replacement	\$431	\$309,821									
Digester 1 mixing and gas piping upgrades			\$301,022								
Grease waste delivery ramp	\$113	\$101,878	\$9,573								
Turboblower purchase and install	\$113,415	\$157,380									
Total Expenses	\$723,116	\$697,397	\$1,625,871	\$1,002,265	\$28,900	\$28,807	\$28,900	\$28,900	\$28,900	\$28,900	\$28,900
Excess (Deficiency) of Revenues over Expenses	(\$129,056)	\$234,272	(\$862,460)	(\$312,870)	\$726,600	\$146,493	\$731,100	\$238,350	\$241,950	\$245,600	\$249,300
Ending Fund Balance	\$1,094,328	\$1,328,600	\$466,140	\$153,270	\$879,870	\$299,763	\$1,030,863	\$1,269,213	\$1,511,163	\$1,756,763	\$2,006,063

## 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, 2018, there are 26,346 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 - \$500,000 in grant funding originally anticipated in FY 2018-19 has been delayed due to equipment outages. The applicable grant agreement has been modified with an expected payment in FY 2019-20. The grant covers a portion of the cost of the CHP biogas utilization project.

### 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.

### Fund Balance

The balance in the construction fund is projected to be \$2,006,063 by April 30, 2024, 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 2019-20 TO 2023-24

EXHIBIT 5

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
REVENUES											
Trunk and lateral sewer service charges	\$152,625	\$263,161	\$185,010	\$115,496	\$90,000	\$30,000	\$90,000	\$90,000	\$90,000	\$90,000	\$90,000
Recapture			\$33,987								
Interest	8,758	7,136	9,929	14,183	19,500	20,000	17,150	16,900	9,450	2,250	2,100
Repayments											
Special assessment vouchers										200,000	200,000
Sewer replacements			300,000	317,200							
Total Revenues	\$161,383	\$270,297	\$528,925	\$446,879	\$109,500	\$50,000	\$107,150	\$106,900	\$99,450	\$292,250	\$292,100
EXPENSES											
Unsewered areas											
Planning	\$6,410	\$1,994	\$4,055	\$3,163	\$7,500	\$5,650	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500
Special assessments										200,000	200,000
Lift station improvements											
Liberty Park upgrades			10,099	894,366	350,000	152,000					
Centex upgrades								50,000	950,000		
IEPA Loan Repayment	93,191	93,191	93,191	93,191	93,200	93,191	93,200	93,200	93,200	93,200	93,200
Total Expenses	\$99,601	\$95,185	\$107,345	\$990,720	\$450,700	\$250,841	\$100,700	\$150,700	\$1,050,700	\$300,700	\$300,700
Excess (Deficiency) of Revenues over Expenses	\$61,782	\$175,112	\$421,579	(\$543,841)	(\$341,200)	(\$200,841)	\$6,450	(\$43,800)	(\$951,250)	(\$8,450)	(\$8,600)
Ending Fund Balance	\$1,289,403	\$1,464,515	\$1,886,095	\$1,342,254	\$1,001,054	\$1,141,413	\$1,147,863	\$1,104,063	\$152,813	\$144,363	\$135,763

## 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%.
3. 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 2022-23.
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 \$135,763 on April 30, 2024. 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 2019-20 TO 2023-24

EXHIBIT 6

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected Actual	FY 19-20 Budget	FY 20-21 Projected	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected
REVENUES											
Interest	\$2	\$66	\$260	\$349	\$550	\$550	\$550	\$550	\$550	\$600	\$600
Total Revenues	\$2	\$66	\$260	\$349	\$550	\$550	\$550	\$550	\$550	\$600	\$600
EXPENSES											
Sewer deepening	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Excess (Deficiency) of Revenues over Expenses	\$2	\$66	\$260	\$349	\$550	\$550	\$550	\$550	\$550	\$600	\$600
Ending Fund Balance	\$35,252	\$35,317	\$35,577	\$35,926	\$36,476	\$36,476	\$37,026	\$37,576	\$38,126	\$38,726	\$39,326

## 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, 2019 is \$36,476.

### 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 2023-24, projected to be \$39,326, 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. Phosphorous and 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.

#### C. Investigate/evaluate

1. Alternate sludge processes.
2. Alternate sludge disposal methods.

### 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, 2019 to April 30, 2020 will be considered for adoption at a regular meeting of the Board of Trustees on March 19, 2019 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 13, 2019. 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 2019-20 BUDGET

<u>TASK</u>	<u>COMPLETION DATE</u>	<u>PERSON 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
7) Submit completed employee evaluations and wage recommendations.	Complete	SUPERVISORS
8) Prepare proposed salary schedule for submittal to Board (for increases effective March 24, 2019 and April 1, 2019).	Complete	NJM
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.	02/08/19	NJM
12) Initial review of budget documents and authorize publication of availability of appropriation ordinance for public review.	02/12/19	BOARD & STAFF
13) Publish notice that appropriation ordinance is available for public review.	02/13/19	WCC
14) Prepare ordinance revisions concerning fees and charges and submit to Board.	03/15/19	NJM
15) Second review of budget documents at regular meeting.	03/19/19	BOARD & STAFF
16) Approve five year financial plan and adopt appropriation ordinance and ordinance revisions concerning fees and charges.	03/19/19	BOARD
17) Publish appropriation ordinance and user rate ordinance (if applicable).	03/20/19	WCC
18) File appropriation ordinance and budget with County Clerk and County Chairman's Office.	04/19/19	WCC
19) Prepare levy ordinance and submit to Board.	06/14/19	NJM
20) Adopt levy ordinance.	06/18/19	BOARD
21) File levy ordinance with County Clerk and County Chairman's Office.	06/26/19	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. 2019 AND ENDING APRIL THIRTIETH, A.D. 2020.

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. 2019 and ending on the Thirtieth Day of April, A.D. 2020.

I.	ADMINISTRATION	
	A. Salary and Wages	\$ 1,250,000
	B. Office Oper & Maint Expenses	480,000
	C. Vehicles Oper, Maint & Purchase	<u>10,000</u>
		\$1,740,000
II.	PLANT	
	A. Salary and Wages	\$ 1,470,000
	B. Operation & Maintenance Expenses	2,840,000
	C. Vehicles Oper, Maint & Purchase	<u>90,000</u>
		\$4,400,000
III.	LABORATORY SERVICES	
	A. Salary and Wages	\$ 270,000
	B. Operation & Maintenance Expenses	110,000
	C. Vehicles Oper, Maint & Purchase	<u>10,000</u>
		\$ 390,000
IV.	SYSTEM	
	A. Salary and Wages	\$ 520,000
	B. Operation & Maintenance Expenses	2,090,000
	C. Vehicles Oper, Maint & Purchase	<u>70,000</u>
		\$2,680,000
V.	LIFT STATIONS	
	A. Salary and Wages	\$ 80,000
	B. Operation & Maintenance Expenses	<u>420,000</u>
		\$ 500,000
VI.	INSURANCE AND EMPLOYEE BENEFITS	\$1,400,000
	TOTAL OPERATION AND MAINTENANCE	\$11,110,000

CAPITAL IMPROVEMENTS

VII. TREATMENT CENTER/LABORATORY

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

VIII. COLLECTION SYSTEM/LIFT STATIONS

A. Construction/Upgrading – Sewer system, pump station improvements, unsewered area plan revisions	\$ 150,000
	\$ 150,000

TOTAL CAPITAL IMPROVEMENTS \$ 200,000

GRAND TOTAL \$11,310,000

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. 2019 and ending on the Thirtieth Day of April, A.D. 2020.

CASH FLOW  
FISCAL YEAR 2019-2020

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

RECAPITULATION

1. Total Amount Appropriated..... \$11,310,000
2. 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.)..... \$10,121,450
3. Amount of Said Appropriation to be paid  
from real estate taxes..... \$ 1,188,550

SECTION 3. That the total sum of Eleven Million Three Hundred Ten Thousand Dollars (\$11,310,000) 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 19<sup>th</sup> day of March, A.D. 2019

Recording Vote:

Ayes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Nays: \_\_\_\_\_

Approved this 19<sup>th</sup> day of March, A.D. 2019

BY: \_\_\_\_\_

President, Board of Trustees of Downers Grove  
Sanitary District, DuPage County, Illinois

ATTEST:

\_\_\_\_\_

Clerk

Recorded this 19<sup>th</sup> day of March, A.D. 2019

## ATTACHMENT A

CASH FLOW  
FISCAL YEAR 2019-2020

	<u>General Corporate</u>	<u>Improvement</u>	<u>Construction</u>	<u>Public Benefit</u>
Projected Cash Balance on 5/1/19	<u>\$ 2,760,455</u>	<u>\$ 1,141,413</u>	<u>\$ 299,763</u>	<u>\$ 36,476</u>
Receipts:				
Const and Televising Insp Fees	650			
User Fees	7,384,500			
Interest	35,000	17,150	10,000	550
Plan Review Fees	1,000			
Surcharges	325,000			
Permit Insp Fees	22,000			
Sampling Charges	70,000			
Tap-in Fees			250,000	
Trunk and Lateral Sewer Charges		90,000		
Replacement Taxes	75,000			
Real Estate Taxes	1,188,550			
Grease Waste	220,000			
Miscellaneous	<u>46,500</u>	<u>          </u>	<u>500,000</u>	<u>          </u>
Total Receipts	<u>9,368,200</u>	<u>106,900</u>	<u>760,000</u>	<u>550</u>
Subtotal	<u>\$ 12,128,655</u>	<u>\$ 1,248,313</u>	<u>\$ 1,059,763</u>	<u>\$ 37,026</u>
Disbursements:				
O & M Budget	11,110,000			
Capital Improvements Budget	<u>          </u>	<u>150,000</u>	<u>50,000</u>	<u>0</u>
Total Disbursements	<u>11,110,000</u>	<u>150,000</u>	<u>50,000</u>	<u>0</u>
Projected Cash Balance on 4/30/20	<u>\$ 1,018,655</u>	<u>\$ 1,098,313</u>	<u>\$ 1,009,763</u>	<u>\$ 37,026</u>

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 2019-2020" indicates an estimate of revenues by source anticipated to be received in Fiscal Year 2019-2020.

DOWNERS GROVE SANITARY DISTRICT

BY: \_\_\_\_\_  
Treasurer

DOWNERS GROVE SANITARY DISTRICT  
MEMO

TO: Nicholas J. Menninga  
General Manager

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: February 8, 2019

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 21, 2018. The executive session minutes of September 10, 2018 and December 10, 2018 have not yet been reviewed. Copies of the minutes for these dates are attached.

I am recommending the following:

- A. The minutes of September 10, 2018 and December 10, 2018 should be made available for public inspection as there is no longer a need 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 21, 2017 was previously approved by the Board and made available for public inspection during its August 17, 2017 review (copy of written record attached).

Therefore, I am recommending that:

- B. The verbatim record of the executive session held on March 21, 2017 be destroyed.

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

Attachment

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

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

March 21, 2017

EXECUTIVE SESSION MINUTES

A motion by Trustee Kovacevic seconded by Trustee Coultrap was made to recess the regular meeting and convene an executive session at 8:25 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 Trustee Kovacevic seconded by Trustee Coultrap was made to adjourn the executive session at 8:35 p.m. The motion carried. (Votes recorded: Ayes—Van Buren, Kovacevic and Coultrap.)

Approved: April 18, 2017

  
\_\_\_\_\_  
President

Attest:   
\_\_\_\_\_  
Clerk



DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: February 4, 2019

RE: Investment in Certificate of Deposit – Bridgeview Bank, Woodridge

In accordance with the District Investment Policy, we renewed the attached thirteen-month Certificate of Deposit (CD) with Bridgeview Bank, Woodridge, on January 15, 2019. The CD is in the amount of \$250,000 with an annual interest rate of 2.57%. The old interest rate was at 1.20%. This bank was selected based on a review of competitive rates from financial institutions that accept public funds. The CD is FDIC insured to \$250,000.

This CD was purchased for the term of thirteen months instead of the typical twelve month term to allow staff to continue laddering District investments and provide interest significantly above rates offered by other financial institutions. Staff would request for the Board to take action ratifying this investment at its next regular meeting of February 12, 2019 **using the following motion:** "I move that we ratify the actions of staff on behalf of the District to open a certificate of deposit on January 15, 2019 in the amount of \$250,000 with Bridgeview Bank, Woodridge, at an interest rate of 2.57% and a term of thirteen months."

Attachment

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

# Certificate of Deposit Receipt

This receipt is issued to:

Downers Grove Sanitary District  
2710 Curtiss St  
Downers Grove IL 60515

Bridgeview Bank Group  
3540 Hobson Rd  
Woodridge, IL 60517

Account Number: \_\_\_\_\_

IRA Number: \_\_\_\_\_

Amount \$ 250,000.00

Date Opened 01/15/2019

Term 13 Months

Maturity Date 02/15/2020

Interest Rate 2.57 %

Annual Percentage Yield 2.60 %

The account evidenced by this receipt is subject to and further explained in the terms and conditions contained in the account agreement and account disclosures. The account is Not Negotiable and Not Transferable. Only the items checked apply.

☒ Fixed Interest Rate

☐ Variable Interest Rate

☐ Additions Permitted

☒ Automatically Renewable

☐ Single Maturity (not automatically renewable)

☐ Callable

☐ Notice Account

Interest will be:

☐ mailed to the owner(s).

☐ added to principal (compounded).

☒ paid to external account No. \_\_\_\_\_

☐ \_\_\_\_\_

**RECEIVED**

FEB 01 2019

DOWNS GROVE  
SANITARY DISTRICT

# DOWNERS GROVE SANITARY DISTRICT

## MEMO

TO: Nicholas J. Menninga  
General Manager

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: February 8, 2019

RE: Progress Report – January, 2019

### ADMINISTRATIVE

#### Personnel

##### 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.

#### Safety Committee

The Safety Committee met on January 16 and made some headway on designing traffic direction signs for the District's wastewater treatment center. The next meeting is anticipated for February.

#### OSHA Log

As required by the Illinois Department of Labor, the OSHA Form 300A for 2018 has been completed and will be posted from February 1 to April 30.

#### Social Media/Website/Public Outreach Progress

On March 1, SCARCE will be hosting an Energy Efficiency & Green Building Tour for 22 DuPage County teachers and they will be visiting the District's Wastewater Treatment Center for a tour that day. Also, Clarendon Hills Middle School will be visiting the District's Wastewater Treatment Center on Wednesday, March 13 with approximately 220 students for tours in both morning and afternoon sessions.

#### IAWA Legislative Subcommittee

As the new legislative session in Springfield gets underway, I am co-chairing IAWA's Legislative Subcommittee which is responsible for introducing several legislative initiatives that impact sanitary districts across the state as well as monitor other pieces of legislation affecting the

Association's members. I led a phone conference on January 22 with the Subcommittee reviewing our priorities for the upcoming year and assessing the current climate in Springfield with many new legislators and a new administration.

### Technology Update

Since Jessie Gwozdz's start on October 19, she has digitized 1,796 of approximately 4,200 BSSRAP files – this will put the District on a completion course to fully digitize our BSSRAP records along with quality control checking by summer of 2019. Once complete, the District will maintain all of its BSSRAP files going forward in a digital format eliminating the need for sizable storage of paper files and providing consistent file access to multiple departments. In addition to these files being backed up locally, it is anticipated the District would additionally archive these files on our Box.com cloud storage server for redundancy.

We are working on several different projects for the next several months with Concentric Integration:

- Deployment of the Mobile-911 alarming software that will allow text notification and digital app-based interaction with the District's existing alarming configuration for SCADA operations (will coordinate with tablet and smartphone points of contact)
- Final resolution of the alarming node replacements (final hardware migration of Dialogix dialer cards) – this is still planned for early 2019 completion
- Mobile Device Management implementation – we have successfully enrolled 11 devices and will continue migrating devices to this platform over 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:	38
# of Customers paying their bills online in the last month:	1,155
Amount of Money processed through the Portal in the last month:	\$64,350.43
# of Customers signing up for Autopay through the Portal in the last month:	38
# of Customers enrolled in paperless billing in the last month:	53
# of customers registered for pay by text in the last month:	33
Cost to District for providing Invoice Cloud service in the last month:	\$270.90
Cost to District's customers (convenience fees) in the last month:	\$2,063.10
Estimated Monthly savings from customers enrolled in paperless billing:	\$50.40
# of Customers registered from launch through last month:	3,753
# of Customers signing up for Autopay through the Portal from launch through last month:	978
# of Customers enrolled in paperless billing from launch through last month:	1,680
# of customers registered for pay by text from launch through last month:	1,004

### FINANCIAL

#### 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, 2019 and staff along with its broker is looking to further shop and push back on some of the proposed price increases in order to provide the Board with final premium proposals at the regular March board meeting.

### 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 2019 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.

### Equipment Sale

On February 6, the District sold its Atomic Absorption Spectrometer laboratory equipment to Bales Mold Service, Inc. for \$7,500. Bales Mold Service is a local business and customer of the District.

### Treasurer's Report and Investment Activity

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

### User Billing

Detailed billing information is attached to this report.

### CODE ENFORCEMENT & UNSEWERED AREAS

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

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

### Sewer Permitting Process

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

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

## USER BILLING SUMMARY

### User Charge System

Billings for January 2019 were as follows:

User	\$202,692.01
Surcharge	20,281.07
Monthly fees	313,918.48
Total	<u>\$536,891.56</u>
Summer Usage Adjustment	\$0.00
Billable Flow	122,843,642
Budgeted Billable Flow	121,107,621
% Actual/Budgeted Billable Flow	101.43%
YTD Billable Flow	1,540,202,648
YTD Budgeted Billable Flow	1,566,993,329
% Actual/Budgeted Billable Flow	98.29%

The user accounts receivable balance on 1/31/2019 is \$462,224.55 consists of:

Current charges due 2/15/19	\$353,980.59
Past due charges and penalty	108,243.96
Total	<u>\$462,224.55</u>

The past due charges represent:

<u>Age</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Totals</u>
30 days past due	\$38,187.64	\$5,217.38	\$43,405.02
60 days past due	16,793.07	2,381.37	19,174.44
90 days & greater past due	40,850.54	4,813.96	45,664.50
	<u>                    </u>	<u>                    </u>	<u>                    </u>
Totals	\$95,831.25	\$12,412.71	\$108,243.96

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>
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 **
2015	44,678.45	4,353.48	49,031.93 *

\*\*\*Includes \$9,867.85 (1 plug at \$1,111.44 and one dig up at \$8,756.41) in sewer disconnection costs on 2 accounts.

\*\*Includes \$25,525.07 in sewer disconnection costs on 5 accounts

\*Includes \$15,269.92 in sewer disconnection costs on 2 accounts.

*Twelve Months Ending January 2019*

<u>Month Ending</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
1/31/19	\$40,850.54	\$4,813.96	\$45,664.50
12/31/18	37,925.83	4,581.75	42,507.58
11/30/18	42,682.50	4,931.46	47,613.96
10/31/18	33,575.34	3,594.72	37,170.06
9/30/18	46,466.55	6,378.34	52,844.89
8/31/18	43,522.44	6,201.77	49,724.21
7/31/18	42,514.28	5,727.42	48,241.70
6/30/18	41,261.64	5,562.91	46,824.55
5/31/18	48,401.71	6,633.70	55,035.41
4/30/18	47,731.52	6,146.82	53,878.34
3/31/18	50,163.93	6,372.97	56,536.90
2/28/18	49,771.82	6,385.66	56,157.48

Seventeen (17) of twenty-eight (28) delinquent accounts that were scheduled for pre-enforcement conferences on January 15, 2019 have paid in full. One account from 2012 and another from 2014 are the only two remaining sewer disconnections.

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: February 8, 2019

RE: Early Figures for Insurance Renewals for FY19-20

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 except for updated payroll figures for the Workers Compensation coverage.

The District's Tank Storage Pollution Liability policy through Crum & Forster came back higher than expected at \$3,500.00 (as opposed to the expiring premium of \$2,691.00) due to the carrier revising their guidelines and pricing our tank higher because it is over 30 years old. As a result, Mitch and I would like to shop that coverage around and see if we can drop the premium more in line with where it has been historically. Mitch believes we may be able to get some pricing reductions in the overall Selective package for General Liability and Property coverages in response to some of the specific increases in the lines (such as Auto, Public Officials, Umbrella and Property).

On a positive note, the District did not incur the anticipated \$7,000 cancellation penalty for switching its Workers Compensation coverage from Travelers to Selective in 2018. The District's broker was able to get Travelers to waive that penalty. 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, MGP



COVERAGES BY FISCAL YEAR BEGINNING	FY19-20 - SELECTIVE RENEWAL RATES currently proposed	FY18-19 - SELECTIVE EXPIRING RATES	FY18-19 - SELECTIVE RENEWAL RATES	FY17-18 - TRAVELERS
GENERAL LIABILITY (INCLUDES TERRORISM)	\$11,463	\$11,460	\$11,511	\$21,074
AUTOMOBILE	17,619	16,311	16,029	16,557
PUBLIC OFFICIALS LIABILITY	7,660	6,890	6,890	9,470
UMBRELLA LIABILITY	11,023	10,402	10,412	8,078
FIDELITY AND CRIME	50	50	50	1,057
TANK STORAGE POLLUTION LIABILITY (CRUM & FORSTER)	3,500	2,691	2,866	2,038
CRIME & CYBER-LIABILITY	4,785	4,765	4,765	3,835
SUBTOTAL	\$56,100	\$52,569	\$52,523	\$62,109
PROPOSED INCREASE AMOUNT:	\$3,531			
PERCENT INCREASE OR DECREASE OVER PRIOR YEAR EXCLUDING PROPERTY AND WORKERS COMP	6.7%	0.1%	-15.4%	
PROPERTY	\$33,736	\$31,994	\$32,064	\$33,654
MOBILE EQUIPMENT	\$9,242	\$9,023	\$9,308	
PROPERTY SUBTOTAL	\$42,978	\$41,017	\$41,372	\$33,654
PROPOSED INCREASE AMOUNT:	\$1,961			
PERCENT INCREASE OR DECREASE OVER PRIOR YEAR PROPERTY ONLY	4.8%	-0.9%	22.9%	
SUBTOTAL OF LIABILITY AND PROPERTY	\$99,078	\$93,586	\$93,895	\$95,763
PROPOSED INCREASE AMOUNT:	\$5,492			
PERCENT INCREASE OR DECREASE OVER PRIOR YEAR EXCLUDING WORKERS COMP	5.9%	-0.3%	-2.0%	
WORKERS COMPENSATION *	\$87,167	\$79,556	\$80,155	\$92,499
CANCELLATION PENALTY (JUST 2018)			\$7,000	
WC TOTAL	\$87,167	\$79,556	\$87,155	\$92,499
PROPOSED INCREASE AMOUNT:	\$7,611			
PERCENT INCREASE OR DECREASE OVER PRIOR YEAR WORKERS COMP ONLY	9.6%	-8.7%	-5.8%	
GRAND TOTAL	\$186,245	\$173,142	\$181,050	\$188,262
PROPOSED INCREASE AMOUNT:	\$13,103			
PERCENT INCREASE OR DECREASE OVER PRIOR YEAR	7.6%	-4.4%	-3.8%	

\*THE WORKERS COMPENSATION PREMIUM REFLECTS BOTH ADJUSTMENTS DUE TO MARKET ACTIVITY AND A TRUE-UP MORE IN LINE WITH CURRENT PROJECTED PAYROLL FOR FY19-20 - MID-YEAR AUDIT WILL ADJUST UP OR DOWN BASED ON ACTUALS

To: Nick Menninga, General Manager  
From: Marc Majewski, Operations Supervisor  
Re: Month of January, 2019 WWTC Operations Report.  
Date: February 5th, 2019

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

Certain highlights of operational activities included:

- Monthly flow: Average daily flows to the plant were 11.06 MGD. Total precipitation at the WWTC was 1.09". There were no days of excess flow during the month of January. There were 10 days of discharge over 11 MGD.
- Activated sludge: Good operating performance continued throughout the month of January. Floc formers are still predominating leading to good solids settling, although settling characteristics began to degrade towards the end of January.
- Anaerobic Digesters: Pumped a total of 1,052,459 gallons of primary sludge, 662,110 gallons of WAS, and 277,481 gallons of waste grease for a total of 1,992,050 gallons pumped to digesters. Total Volatile Solids destruction was calculated at 60.4% for January.
- Digester gas: Total digester gas production was 7,541,449 cubic feet. 307,607 cubic feet of gas was used for anaerobic digestion heat, and 3,284,931 cubic feet was used in the CHP facilities. 2,939,917 cubic feet of flared gas was recorded during the month. Natural gas was used for hot water and building heat. The Munters dehumidifier used 1,008,995 cubic feet of gas.
- Bio-solids: There have been no biosolid deliveries in 2019. Drying and deliveries will resume in the spring. The 2006 Wildcat trammel screen was brought into West Side Tractor for engine replacement in early January.
- Miscellaneous Items: Media was replaced in all four siloxane removal tanks on January 7<sup>th</sup>, 2019.
- Electricity: Overall net energy from ComEd was: 95,417 KW-Hrs. Electricity Generated by the CHP system was 262,238 KW-Hrs. Monthly net energy (including natural gas usage) was 153 MW-Hrs for the month of January.

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

# Monthly Operations Report Page 1

	WWTC Rainfall	B01 Parshall Flume Flow Max Mgd	B01 Parshall Flume Flow Min Mgd	B01 Parshall Flume Flow Avg Mgd	A01 Parshall Flume Flow Max Mgd	A01 Parshall Flume Flow Avg Mgd	C01 Int Clar #1 Flow Max Mgd	C01 Int Clar #1 Flow Avg Mgd	Outfall 003 Flow Max Mgd	Outfall 003 Flow Avg Mgd	Total Flow Max Mgd	Total Flow Avg Mgd	002 Outfall Flow Avg Mgd
Date	inches	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD
1/1/2019	0.00	26.04	20.05	22.17	0.00	0.00	0.00	0.00	0.00	0.00	26.04	22.17	0.00
1/2/2019	0.00	21.35	14.84	18.09	0.00	0.00	0.00	0.00	0.00	0.00	21.35	18.09	0.00
1/3/2019	0.01	18.79	12.23	14.95	0.00	0.00	0.00	0.00	0.00	0.00	18.79	14.95	0.00
1/4/2019	0.00	15.82	10.01	13.01	0.00	0.00	0.00	0.00	0.00	0.00	15.82	13.01	0.00
1/5/2019	0.01	15.54	8.11	11.81	0.00	0.00	0.00	0.00	0.00	0.00	15.54	11.81	0.00
1/6/2019	0.00	14.61	7.64	10.99	0.00	0.00	0.00	0.00	0.00	0.00	14.61	10.99	0.00
1/7/2019	0.45	22.28	7.37	15.65	0.00	0.00	0.00	0.00	0.00	0.00	22.28	15.65	0.00
1/8/2019	0.00	19.94	12.42	15.34	0.00	0.00	0.00	0.00	0.00	0.00	19.94	15.34	0.00
1/9/2019	0.00	15.59	9.97	13.02	0.00	0.00	0.00	0.00	0.00	0.00	15.59	13.02	0.00
1/10/2019	0.00	15.36	8.18	11.64	0.00	0.00	0.00	0.00	0.00	0.00	15.36	11.64	0.00
1/11/2019	0.00	14.52	8.09	10.81	0.00	0.00	0.00	0.00	0.00	0.00	14.52	10.81	0.00
1/12/2019	0.00	14.49	7.34	10.41	0.00	0.00	0.00	0.00	0.00	0.00	14.49	10.41	0.00
1/13/2019	0.04	14.61	7.18	10.41	0.00	0.00	0.00	0.00	0.00	0.00	14.61	10.41	0.00
1/14/2019	0.00	14.65	6.92	10.05	0.00	0.00	0.00	0.00	0.00	0.00	14.65	10.05	0.00
1/15/2019	0.00	14.57	6.65	9.67	0.00	0.00	0.00	0.00	0.00	0.00	14.57	9.67	0.00
1/16/2019	0.04	12.49	6.36	9.37	0.00	0.00	0.00	0.00	0.00	0.00	12.49	9.37	0.00
1/17/2019	0.06	14.32	6.31	9.31	0.00	0.00	0.00	0.00	0.00	0.00	14.32	9.31	0.00
1/18/2019	0.00	11.80	6.04	8.97	0.00	0.00	0.00	0.00	0.00	0.00	11.80	8.97	0.00
1/19/2019	0.00	12.00	5.88	8.77	0.00	0.00	0.00	0.00	0.00	0.00	12.00	8.77	0.00
1/20/2019	0.00	11.92	5.40	8.49	0.00	0.00	0.00	0.00	0.00	0.00	11.92	8.49	0.00
1/21/2019	0.00	12.32	5.37	8.58	0.00	0.00	0.00	0.00	0.00	0.00	12.32	8.58	0.00
1/22/2019	0.00	11.62	5.47	8.74	0.00	0.00	0.00	0.00	0.00	0.00	11.62	8.74	0.00
1/23/2019	0.48	18.58	7.19	11.59	0.00	0.00	0.00	0.00	0.00	0.00	18.58	11.59	0.00
1/24/2019	0.00	14.58	7.03	10.17	0.00	0.00	0.00	0.00	0.00	0.00	14.58	10.17	0.00
1/25/2019	0.00	12.20	6.52	9.19	0.00	0.00	0.00	0.00	0.00	0.00	12.20	9.19	0.00
1/26/2019	0.00	12.51	5.62	8.80	0.00	0.00	0.00	0.00	0.00	0.00	12.51	8.80	0.00
1/27/2019	0.00	12.04	5.48	8.61	0.00	0.00	0.00	0.00	0.00	0.00	12.04	8.61	0.00
1/28/2019	0.00	11.47	6.33	8.79	0.00	0.00	0.00	0.00	0.00	0.00	11.47	8.79	0.00
1/29/2019	0.00	11.70	5.45	8.47	0.00	0.00	0.00	0.00	0.00	0.00	11.70	8.47	0.00
1/30/2019	0.00	11.67	5.86	8.47	0.00	0.00	0.00	0.00	0.00	0.00	11.67	8.47	0.00
1/31/2019	0.00	11.71	5.68	8.55	0.00	0.00	0.00	0.00	0.00	0.00	11.71	8.55	0.00
Minimum	0.00	11.47	5.37	8.47	0.00	0.00	0.00	0.00	0.00	0.00	11.47	8.47	0.00
Maximum	0.48	26.04	20.05	22.17	0.00	0.00	0.00	0.00	0.00	0.00	26.04	22.17	0.00
Total	1.09	461.09	243.02	342.90	0.00	0.00	0.00	0.00	0.00	0.00	461.09	342.90	0.00
Average	0.04	14.87	7.84	11.06	0.00	0.00	0.00	0.00	0.00	0.00	14.87	11.06	0.00

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	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
1/1/2019	22.17		91,862	14.40							
1/2/2019	18.09	2,077	84,236	15.22	42	31	22	146		7,345	8.7
1/3/2019	14.95	2,401	95,179	17.34	49	35	22	143	4,841		9.0
1/4/2019	13.01	2,408	100,162	20.66	61	44	31	181		6,480	
1/5/2019	11.81		100,162	20.25							
1/6/2019	10.99		100,162	20.36							
1/7/2019	15.65	2,740	103,647	21.06	62	47	35	171		6,465	9.1
1/8/2019	15.34	2,519	102,935	21.69	44	32	23	126	5,236		8.3
1/9/2019	13.02	2,439	100,039	25.18	43	33	23	135		6,023	9.3
1/10/2019	11.64	2,224	89,417	25.96	36	27	21	123	4,649		
1/11/2019	10.81	2,293	90,420	39.44	39	29	22	125		4,883	
1/12/2019	10.41		90,420	48.07							
1/13/2019	10.41		90,420	46.14							
1/14/2019	10.05	2,504	95,443	32.37	49	36	27	142		6,475	9.2
1/15/2019	9.67	2,504	89,314	24.11	59	43	30	172	3,381		9.3
1/16/2019	9.37	2,798	101,227	30.25	54	36	26	129		5,413	9.2
1/17/2019	9.31	3,027	109,737	26.98	68	50	32	165	4,219		
1/18/2019	8.97	2,933	107,399	21.84	71	54	37	184		6,149	
1/19/2019	8.77		107,399	23.41							
1/20/2019	8.49		107,399	23.05							
1/21/2019	8.58	3,022	110,293	20.06	79	63	42	207		6,202	9.6
1/22/2019	8.74	3,176	116,316	18.57	75	57	40	178	3,971		9.4
1/23/2019	11.59	2,778	100,387	14.32	63	47	32	169		6,957	8.6
1/24/2019	10.17	2,701	99,945	15.08	70	53	37	197	3,912		
1/25/2019	9.19	2,839	104,784	18.27	74	57	45	199		6,267	
1/26/2019	8.80		104,784	18.63							
1/27/2019	8.61		104,784	18.41							
1/28/2019	8.79	2,877	102,899	17.62	83	68	44	234		6,467	9.2
1/29/2019	8.47	2,991	108,632	17.55	85	71	51	238	4,183		9.5
1/30/2019	8.47	2,971	107,553	20.84	88	75	53	251		5,524	9.7
1/31/2019	8.55	2,928	106,219	20.03	83	67	46	230	3,528		
Minimum	8.47	2,077	84,235.53	14.32	36.00	27.25	21.25	122.57	3,381	4,883	8.3
Maximum	22.17	3,176	116,316.42	48.07	87.50	74.50	52.50	250.74	5,236	7,345	9.7
Total	342.90	59,148	3,123,573.56	717.14	1,373.75	1,052.00	737.25	3,844.61	37,920	80,650	128.1
Average	11.06	2,689	100,760.48	23.13	62.59	47.95	33.68	174.77	4,213	6,204	9.2

## Monthly Operations Report Page 3

	Tertiary Flow MGD	Influent BOD 5	Primary Clarifier BOD 5	Intermediate Clarifier CBOD 5	Tertiary Effluent CBOD 5	Tertiary Effluent CBOD 5 Load	BOD 5 Removal %	Ambient Air Temp Min	Ambient Air Temp Max	Influent Flow Temp
Date	MGD	mg/l	mg/l	mg/l	mg/l	lbs/day	%	Deg F	Deg F	Deg F
1/1/2019	22.17	146			2.5	462	95.5	27	35	
1/2/2019	18.09	92	46	3.8	1.3	196	97.0	27	31	54.5
1/3/2019	14.95							24	41	54.5
1/4/2019	13.01							30	52	
1/5/2019	11.81							29	56	
1/6/2019	10.99							32	42	
1/7/2019	15.65							40	55	55.6
1/8/2019	15.34	156	70	3.1	0.8	102	98.2	24	47	55.9
1/9/2019	13.02	155	77	2.8	0.6	65	98.7	16	24	54.5
1/10/2019	11.64	154	145	2.5	0.4	39	98.6	14	26	54.3
1/11/2019	10.81							16	31	
1/12/2019	10.41							30	31	
1/13/2019	10.41							21	37	
1/14/2019	10.05							20	29	55.4
1/15/2019	9.67	152	133	2.2	0.6	48	98.8	25	33	55.9
1/16/2019	9.37	144	128	2.2	0.6	47	98.5	29	39	54.9
1/17/2019	9.31	160	135	1.9	0.5	39	98.9	29	39	55.8
1/18/2019	8.97							28	32	
1/19/2019	8.77							12	29	
1/20/2019	8.49							5	19	
1/21/2019	8.58	160			0.8	57	98.9	4	21	55.1
1/22/2019	8.74	195	100	1.9	0.9	66	98.9	14	35	54.9
1/23/2019	11.59	258	107	2.2	1.3	126	99.0	20	36	54.5
1/24/2019	10.17							1	23	54.5
1/25/2019	9.19							-4	6	
1/26/2019	8.80							-4	14	
1/27/2019	8.61							-4	15	
1/28/2019	8.79							10	35	54.1
1/29/2019	8.47	180	85	2.0	0.6			-4	11	54.3
1/30/2019	8.47	170	86	2.7	0.8			-4	-4	53.6
1/31/2019	8.55	185	93	2.8	1.0	71	98.6	-4	1	53.5
Minimum	8.47	92	46	1.9	0.40	39	95.5	-4	-4	53.5
Maximum	22.17	258	145	3.8	2.50	462	99.0	40	56	55.9
Total	342.90	2,307	1,205	30.1	12.70	1,319	1,179.5	501	920	985.8
Average	11.06	165	100	2.5	0.91	110	98.3	16	30	54.8

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	Tertiary Flow MGD	Influent TSS	Primary Clarifier TSS	Intermediate Clarifier TSS	Tertiary Effluent TSS	Tertiary Effluent TSS Load	TSS Removal %	Influent pH	Primary Clarifier pH	Tertiary Effluent pH	Intermediate pH
Date	MGD	mg/l	mg/l	mg/l	mg/l	lbs/day	%	SU	SU	SU	SU
1/1/2019	22.17	80			5.1	943	93.6				
1/2/2019	18.09	116	46	10.0	0.3	45	99.7	7.7	7.8	7.3	7.4
1/3/2019	14.95	112	48	9.1	0.2	25	99.8	7.7	7.7	7.2	7.4
1/4/2019	13.01	120			0.3	33	99.8	7.7	7.7	7.2	7.3
1/5/2019	11.81	108			0.5	49	99.5				
1/6/2019	10.99	120			0.4	37	99.7				
1/7/2019	15.65	168	48	20.2	0.9	117	99.5	7.7	7.7	7.3	7.3
1/8/2019	15.34	136	40	7.4	0.7	90	99.5	7.7	7.7	7.2	7.3
1/9/2019	13.02	128	88	16.3	0.3	33	99.8	7.7	7.7	7.2	7.4
1/10/2019	11.64	140	79	6.3	0.5	49	99.6	7.8	7.7	7.2	7.3
1/11/2019	10.81	128			0.4	36	99.7	7.7	7.5	7.1	7.2
1/12/2019	10.41	128			0.5	43	99.6				
1/13/2019	10.41	138			0.4	35	99.7				
1/14/2019	10.05	186	104	3.4	0.3	25	99.8	7.7	7.6	7.2	7.2
1/15/2019	9.67	200	98	5.7	0.4	32	99.8	7.7	7.6	7.0	7.2
1/16/2019	9.37	160	80	5.3	0.4	31	99.8	7.6	7.5	7.1	7.2
1/17/2019	9.31	158	82	5.0	0.4	31	99.7	7.7	7.5	7.1	7.3
1/18/2019	8.97	144			0.4	30	99.7	7.7	7.5	7.0	7.2
1/19/2019	8.77	136			0.8	58	99.4				
1/20/2019	8.49	128			0.4	28	99.7				
1/21/2019	8.58	190	92	2.6	0.6	43	99.7	7.6	7.5	7.3	7.1
1/22/2019	8.74	192	94	3.4	0.5	36	99.7	7.7	7.5	7.2	7.1
1/23/2019	11.59	280	83	4.8	0.6	58	99.8	7.4	7.4	7.2	7.1
1/24/2019	10.17							7.6	7.5	7.2	7.2
1/25/2019	9.19	216			0.4	31	99.8	7.4	7.6	7.1	7.1
1/26/2019	8.80	132			0.2	15	99.8				
1/27/2019	8.61	190			0.3	22	99.8				
1/28/2019	8.79	208	75	3.0	0.3	22	99.9	7.6	7.4	7.1	7.2
1/29/2019	8.47	180	82	3.5	0.4	28	99.8	7.7	7.5	7.1	7.2
1/30/2019	8.47	184	84	4.5	0.5	35	99.7	7.6	7.5	7.0	7.2
1/31/2019	8.55	208	93	5.2	0.5	36	99.8	7.7	7.5	7.0	7.2
Minimum	8.47	80	40	2.6	0.2	15	93.6	7.4	7.4	7.0	7.1
Maximum	22.17	280	104	20.2	5.1	943	99.9	7.8	7.8	7.3	7.4
Total	342.90	4,714	1,316	115.7	17.9	2,096	2,985.3	168.4	166.6	157.3	159.1
Average	11.06	157	77	6.8	0.6	70	99.5	7.7	7.6	7.2	7.2

# MONTHLY OPERATIONS REPORT PAGE 5

Date	Tertiary Flow MGD	Influent Ammonia-N mg/l	Tertiary Ammonia-N mg/l	Tertiary Effluent Ammonia-N Load lbs/day	Chlorine Residual mg/l	Fecal Coliform col/100ml
1/1/2019	22.17	6.52	0.33	61.0	0.00	
1/2/2019	18.09	12.56	0.38	57.3	0.02	
1/3/2019	14.95	14.80	0.53	66.1		
1/4/2019	13.01					
1/5/2019	11.81					
1/6/2019	10.99	14.12	0.06	5.5		
1/7/2019	15.65	14.60	0.94	122.7	0.03	
1/8/2019	15.34	13.64	0.72	92.1	0.05	
1/9/2019	13.02	16.84	0.42	45.6		
1/10/2019	11.64	18.76	0.63	61.2		
1/11/2019	10.81					
1/12/2019	10.41					
1/13/2019	10.41	15.76	0.22	19.1		
1/14/2019	10.05	22.52	0.17	14.2		
1/15/2019	9.67	25.52	0.14	11.3		
1/16/2019	9.37	18.24	0.10	7.8		
1/17/2019	9.31	23.80	0.08	6.2		
1/18/2019	8.97					
1/19/2019	8.77					
1/20/2019	8.49	20.42	0.07	5.0		
1/21/2019	8.58	22.92	0.13	9.3		
1/22/2019	8.74	25.36	0.19	13.8		
1/23/2019	11.59	15.44	0.33	31.9		
1/24/2019	10.17					
1/25/2019	9.19					
1/26/2019	8.80					
1/27/2019	8.61	19.84	0.13	9.3		
1/28/2019	8.79	24.68	0.28	20.5		
1/29/2019	8.47	22.84	0.42	29.7		
1/30/2019	8.47	23.60	0.52	36.7		
1/31/2019	8.55	20.52	0.59	42.1		
Minimum	8.47	6.52	0.06	5.0	0.00	
Maximum	22.17	25.52	0.94	122.7	0.05	
Total	342.90	413.30	7.38	768.5	0.10	
Average	11.06	18.79	0.34	34.9	0.03	

## SLUDGE DATA

Primary Sludge	TS	3.18 %	1,052,459 Gallons
WAS to Digesters	TS	2.40 %	662,110 Gallons
Hauled Grease to Digs	TS	7.91 %	277,481 Gallons
<u>Anaerobically Digested Sludge Pumping</u>			
Drying Beds	TS	2.80 %	34,860 Gallons
BFP	TS	1.76 %	1,015,979 Gallons
Lagoons	TS	2.90 %	44,940 Gallons
Total			1,095,779 Gallons
VS Destruction			60.4 %

## Biosolids Disposal

Pick-Up Station	Jan	Cu. Yds
Delivered	Jan	Cu. Yds
Contractor Pickup and District Use	Jan	Cu. Yds
Total	Jan	Cu. Yds
Pick-Up Station	YTD	Cu. Yds
Delivered	YTD	Cu. Yds
Contractor Pick-Up and District Use	YTD	Cu. Yds
Total	YTD	Cu. Yds

## ENERGY DATA

Total Digester Gas Production	7,541,449 SCF
Gas Volume per Volatile Solids Load	15.0 Cu.Ft./Lb.
<u>Digester Gas Utilization</u>	
Heat Exchangers	307,607 SCF
Dehumidification	1,008,995 SCF
CHP	3,284,931 SCF
Total	4,601,533 SCF
<u>Digester Gas Flared</u>	2,939,917 SCF

## Natural Gas Consumed

WWTC	41,200 SCF
MSB	81,400 SCF
Chemical Feed	60,400 SCF
5006 Walnut	25,500 SCF
Kilowatt-hours Generated CHP	262,238 KWH
Net energy from Comed	95,417 KWH
Monthly net energy	153 MWH

## MISCELLANEOUS

Grit Removal	Jan	20 Cu. Yds
Grit Removal	YTD	20 Cu. Yds
Anaerobic Supernate		754,475 Gallons
Waste Activated Sludge		91,053 Gals/Day
City Water Consumed		22,964 Gallons

## Monthly Operations Report Page 6

	Tertiary Flow MGD	Influent Phosphorus	Tertiary Effluent Phosphorus	Influent Phosphorus Load	Tertiary Effluent Phosphorus Load	Phosphorus Removal %	Influent Nitrogen	Tertiary Effluent Nitrogen	Influent Nitrogen Load	Tertiary Effluent Nitrogen Load	Nitrogen Removal %	Tertiary Effluent Nitrate Grab
Date	MGD	mg/l	mg/l	lbs/day	lbs/day	%	mg/l	mg/l	lbs/day	lbs/day	%	mg/l
1/1/2019	22.17											
1/2/2019	18.09											
1/3/2019	14.95	2.97	1.41	376.5	175.7	52.5						
1/4/2019	13.01											
1/5/2019	11.81											
1/6/2019	10.99											
1/7/2019	15.65						23.2	14.3	3,033.7	1,866.1	38.5	
1/8/2019	15.34											
1/9/2019	13.02	3.78	1.96	410.8	212.9	48.1						17.20
1/10/2019	11.64											
1/11/2019	10.81											
1/12/2019	10.41											
1/13/2019	10.41											
1/14/2019	10.05											
1/15/2019	9.67	5.21	2.47	416.8	199.1	52.6						
1/16/2019	9.37											
1/17/2019	9.31											
1/18/2019	8.97											22.94
1/19/2019	8.77											
1/20/2019	8.49											
1/21/2019	8.58											
1/22/2019	8.74	5.44	2.43	390.3	177.1	55.3						
1/23/2019	11.59											
1/24/2019	10.17											15.48
1/25/2019	9.19											
1/26/2019	8.80											
1/27/2019	8.61											
1/28/2019	8.79	5.26	2.26	384.8	165.7	57.0						
1/29/2019	8.47											
1/30/2019	8.47											
1/31/2019	8.55											
Minimum	8.47	2.97	1.41	376.5	165.7	48.1	23.2	14.3	3,033.7	1,866.1	38.5	15.48
Maximum	22.17	5.44	2.47	416.8	212.9	57.0	23.2	14.3	3,033.7	1,866.1	38.5	22.94
Total	342.90	22.66	10.53	1,979.2	930.5	265.6	23.2	14.3	3,033.7	1,866.1	38.5	55.62
Average	11.06	4.53	2.11	395.8	186.1	53.1	23.2	14.3	3,033.7	1,866.1	38.5	18.54



DMR Copy of Record

Permit

Permit #:  
Major:

IL0028380  
Yes

Permittee:  
Permittee Address:

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

Facility:  
Facility Location:

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

Permitted Feature:

001  
External Outfall

Discharge:

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

Report Dates & Status

Monitoring Period:  
From 01/01/19 to 01/31/19

DMR Due Date:  
02/25/19

Status:  
NetDMR Validated

Considerations for Form Completion

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

Principal Executive Officer

First Name:  
Last Name:

Nicholas  
Menninga

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type	
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units				
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	9.2		=	8.3	=	8.3	19 - mg/L	0	03/DW - 3 Days Every Week	GR - GRAB
					Permit Req.							Req Mon MO AV MN		Req Mon MN WK AV		Req Mon DAILY MN	19 - mg/L	DL/DS - Daily When Discharging		GR - GRAB	
					Value NODI																
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample								=	2.5	=	12.4	19 - mg/L	0	03/DW - 3 Days Every Week	CP - COMPOS	
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample						=	7			=	7.3	12 - SU	0	05/DW - 5 Days Every Week	GR - GRAB	
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	0.6	=	3.5	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS	
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample								=	0.34	=	0.94	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS	
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample										=	2.47	19 - mg/L	0	05/30 - 5 Times Every Month	CP - COMPOS	
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								=	0.03			19 - mg/L	0	04/30 - Four Per Month	GR - GRAB	
					Permit Req.								<=	.75 MO AVG			19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample													13 - #/100mL	DL/DS - Daily When Discharging	GR - GRAB	
					Permit Req.										<=	400 DAILY MX					
					Value NODI											9 - Conditional Monitoring - Not Required This Period					
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	342.9	80 - Mgal/mo								0	99/99 - Continuous		
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo											
					Value NODI																

Submission Note

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

Edit Check Errors

No errors.

Comments

31 days of discharge. 0 days combined flow with A01 or C01.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

reeseberry

Name:

Dorrance Berry

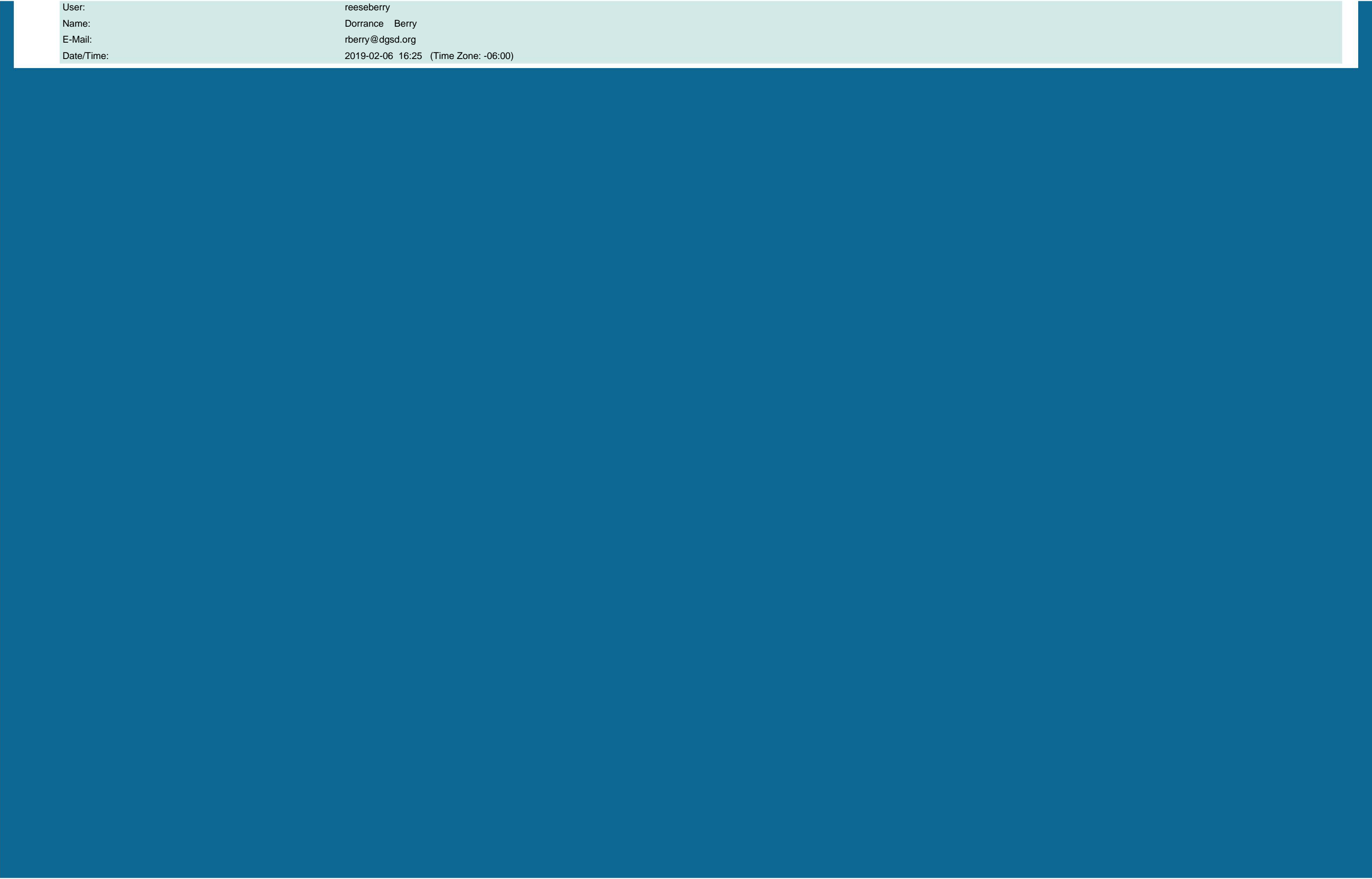
E-Mail:

rberry@dgsd.org

Date/Time:

2019-02-06 16:21 (Time Zone: -06:00)

Report Last Signed By



DMR Copy of Record

Permit

Permit #:  
Major:

IL0028380  
Yes

Permittee:  
Permittee Address:

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

Facility:  
Facility Location:

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

Permitted Feature:

002  
External Outfall

Discharge:

002-0  
MIXING CHMBR OVERFLOW TO ST. JOSEPH CRK

Report Dates & Status

Monitoring Period:

From 01/01/19 to 01/31/19

DMR Due Date:

02/25/19

Status:

NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

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 #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MN	19 - mg/L			
					Value NODI											C - No Discharge				
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L			
					Value NODI											C - No Discharge	C - No Discharge			
00400	pH	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU			
					Value NODI											C - No Discharge	C - No Discharge			
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L			
					Value NODI											C - No Discharge	C - No Discharge			
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI											C - No Discharge				
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI											C - No Discharge				
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	.75 MO AVG			19 - mg/L			
					Value NODI											C - No Discharge				
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.										<=	400 DAILY MX	13 - #/100mL			
					Value NODI											C - No Discharge				
82220	Flow, total	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo										
					Value NODI				C - No Discharge											

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2019-02-06 16:20 (Time Zone: -06:00)

Report Last Signed By

User:reeseberry  
Name:Dorrance Berry  
E-Mail:rberry@dgsd.org  
Date/Time:2019-02-06 16:25 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:003  
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

Discharge:003-0  
EXCESS FLOW TO ST. JOSEPH CRK

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

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 01/01/19 to 01/31/19

DMR Due Date:02/25/19

Status:NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

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 #	Param. NODI		Quantity or Loading				Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MN	19 - mg/L		
					Value NODI											C - No Discharge			
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L		
					Value NODI									C - No Discharge		C - No Discharge			
00400	pH	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		
					Value NODI							C - No Discharge				C - No Discharge			
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L		
					Value NODI									C - No Discharge		C - No Discharge			
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					Value NODI											C - No Discharge			
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					Value NODI											C - No Discharge			
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	.75 MO AVG			19 - mg/L		
					Value NODI									C - No Discharge					
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.										<=	400 DAILY MX	13 - #/100mL		
					Value NODI											C - No Discharge			
82220	Flow, total	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									
					Value NODI				C - No Discharge										

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-02-06 16:20 (Time Zone: -06:00)

Report Last Signed By

User:reeseberry  
Name:Dorrance Berry  
E-Mail:rberry@dgsd.org  
Date/Time:2019-02-06 16:25 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:A01  
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

Discharge:A01-0  
EXCESS FLOW FROM EXCESS FLOW CLARIFIERS

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

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 01/01/19 to 01/31/19

DMR Due Date:02/25/19

Status:NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

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

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-02-06 16:20 (Time Zone: -06:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-02-06 16:25 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:B01  
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

Discharge:**B01-0**  
INTERNAL MIXING CHMBR - E. BR. DUPAGE RVR

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

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 01/01/19 to 01/31/19

DMR Due Date:02/25/19

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 #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type	
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Sample										=	52.7	15 - deg F	0	01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon MO MAX	15 - deg F		01/30 - Monthly	GR - GRAB
					Value NODI															
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	1	--	Sample					=	9.2	=	8.7	=	8.3	19 - mg/L	0	03/07 - Three Per Week	GR - GRAB	
					Permit Req.					>=	5.5 MO AV MN	>=	4 MN WK AV	>=	3.5 DAILY MN	19 - mg/L		02/DA - 2 Days Every Week	GR - GRAB	
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample					=	7			=	7.3	12 - SU	0	05/DW - 5 Days Every Week	GR - GRAB	
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		02/DA - 2 Days Every Week	GR - GRAB	
					Value NODI															
00410	Alkalinity, total [as CaCO3]	1 - Effluent Gross	0	--	Sample										=	214	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	69.9	=	942.9	26 - lb/d		=	0.6	=	5.1	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS	
					Permit Req.	<=	2202 MO AVG	<=	4404 DAILY MX	26 - lb/d		<=	12 MO AVG	<=	24 DAILY MX	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample										=	14.3	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample	=	34.9	=	122.7	26 - lb/d		=	0.34	=	0.94	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS	
					Permit Req.	<=	734 MO AVG	<=	1376 DAILY MX	26 - lb/d		<=	4 MO AVG	<=	7.5 DAILY MX	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS	
					Value NODI															
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample										=	1.7	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample										=	12.6	19 - mg/L	0	01/30 - Monthly	CA - CALCTD
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample										=	2.47	19 - mg/L	0	05/30 - 5 Times Every Month	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00666	Phosphorus, dissolved	1 - Effluent Gross	0	--	Sample										=	2.45	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00940	Chloride [as Cl]	1 - Effluent Gross	0	--	Sample										=	214	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	11.06	=	22.17	03 - MGD							0	99/99 - Continuous		
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								99/99 - Continuous		
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	1	--	Sample										=	0.05	19 - mg/L	0	CL/OC - Chlorination/Occurances	GR - GRAB
					Permit Req.										<=	.05 DAILY MX	19 - mg/L		CL/OC - Chlorination/Occurances	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	109.9	=	462.2	26 - lb/d		=	0.9	=	2.5	19 - mg/L	0	03/DW - 3 Days Every Week	CP - COMPOS	
					Permit Req.	<=	1835 MO AVG	<=	3670 DAILY MX	26 - lb/d		<=	10 MO AVG	<=	20 DAILY MX	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS	
					Value NODI															

Submission Note

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



Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry  
Name: Dorrance Berry  
E-Mail: rberry@dgsd.org  
Date/Time: 2019-02-06 16:21 (Time Zone: -06:00)

Report Last Signed By

User: reeseberry  
Name: Dorrance Berry  
E-Mail: rberry@dgsd.org  
Date/Time: 2019-02-06 16:25 (Time Zone: -06:00)

## DMR Copy of Record

[illegible]



DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:C01  
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

Discharge:C01-0  
EXCESS FLOW FROM CLARIFIER #1

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

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 01/01/19 to 01/31/19

DMR Due Date:02/25/19

Status:NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

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

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-02-06 16:20 (Time Zone: -06:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-02-06 16:25 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:  
Major:

IL0028380  
Yes

Permittee:  
Permittee Address:

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

Facility:  
Facility Location:

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

Permitted Feature:

INF  
Influent Structure

Discharge:

INF-L  
INFLUENT MONITORING

Report Dates & Status

Monitoring Period:

From 01/01/19 to 01/31/19

DMR Due Date:

02/25/19

Status:

NetDMR Validated

Considerations for Form Completion

CS

Principal Executive Officer

First Name:  
Last Name:

Nicholas  
Menninga

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample							=		165			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
					Permit Req.									Req Mon MO AVG			19 - mg/L		09/99 - See Permit	CP - COMPOS
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample							=		157			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
					Permit Req.									Req Mon MO AVG			19 - mg/L		09/99 - See Permit	CP - COMPOS
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample										=	23.2	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample										=	5.44	19 - mg/L	0	05/30 - 5 Times Every Month	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	11.09	=	22.76	03 - MGD								0	99/99 - Continuous	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									99/99 - Continuous	
					Value NODI															

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:  
Name:  
E-Mail:  
Date/Time:

reeseberry  
Dorrance Berry  
rberry@dgsd.org  
2019-02-06 16:23 (Time Zone: -06:00)

Report Last Signed By

User:  
Name:  
E-Mail:  
Date/Time:

reeseberry  
Dorrance Berry  
rberry@dgsd.org  
2019-02-06 16:25 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

IL0028380

Major:

Yes

Permittee:

DOWNERS GROVE SANITARY DISTRICT

Permittee Address:

2710 CURTISS STREET PO BOX 1412  
DOWNERS GROVE, IL 60515

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:

5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Permitted Feature:

INFL  
Influent Structure

Discharge:

INFL-S  
SEMI ANNUAL SAMPLING AT INFL

Report Dates & Status

Monitoring Period:

From 08/01/18 to 01/31/19

DMR Due Date:

02/25/19

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Nicholas

Last Name:

Menninga

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI:

--



# DOWNERS GROVE SANITARY DISTRICT

## M E M O

TO: Nicholas J. Menninga, General Manager

FROM: Jeff Barta, Maintenance Supervisor

DATE: February 5, 2019

SUBJECT: January 2019 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 2019.

Special projects in January included:

### **Annual Generator Preventive Maintenance – Additional Repairs**

All of the additional repair items that were discovered this year during the inspections and P/M's at the WWTC and at the lift stations have been completed. The only exception is the replacement of the automatic transfer switch controller at the Butterfield lift station. The existing controller still operates, but the display is not functioning. This item has been on back order and will be installed as soon as it arrives. Altorfer Power Systems completed all of the lift station generator repairs.

As mentioned in last month's report, Altorfer Power Systems provided a proposal (that I did not accept) in the amount of \$17,578.50 for our three (3) WWTC emergency generators to replace the long life coolant, install new thermostats, replace the seals and O-rings on the oil supply and drain lines to the turbo chargers, install new air filters and replace the heat exchanger cooling water thermostat valve on generator no. 3.

After receiving an itemized breakdown on their proposal, it was clear that the majority of the expense was labor and some travel expenses. They were anticipating that it would require a full 9-10 hour workday for two (2) technicians for each unit.

Since we have maintenance staff that performs all of the engine work and repairs on our CHP units and I felt that his job would be well within their capabilities, I decided to change my approach on this repair project. We purchased all of the Caterpillar parts and supplies from Altorfer and District staff will complete all of this service work in-house.

I must admit that initially I was a bit skeptical of the total number of labor hours that Altorfer was proposing, but as it turns out, it was a very labor intensive project. It did require a total of four (4) days for a couple of our maintenance mechanics Nick Whitefleet and Frank Furtak to complete all of this work.

With completing this project in-house and just purchasing the required Caterpillar parts and supplies directly from Altorfer, we were able to reduce the total cost for the repairs on all three generators from \$17,578.50 to \$4,803.31.

### **Procurement for College Lift Station - Pump 1 Replacement**

A new Fairbanks 75 HP submersible pump, base elbow, rail guide brackets and seal leak detection equipment was purchased from Drydon Equipment for \$32,749.57. This pump will replace the existing pump that is over 30 years old and worn out. This new pump will be installed in late winter or early spring as weather permits and the station can be taken out of service.

### **Procurement for WWTC Roadways – New Salt Spreader**

A new tractor mounted (bucket scoop) style salt spreader was purchased from Altorfer Equipment for \$4,445.00. This new spreader will greatly improve our capabilities to maintain the roadways and parking lots at the WWTC and at the Administration center during winter weather events.

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



# Work Order Summary

Work Order Completion Dates from 1/2/2019 to 1/30/2019

Work Assignment	Completion Date	Equipment	NOTATIONS
Replace Discharge Force Main Air Relief Valves (2)	1/16/2019	Centex Discharge Force Main Hobson Discharge Force Main Wroble Discharge Force Main	Replace both combination air relief valves on teh force main with reconditioned units. Replace both combination air relief valves on the force main with reconditioned units.
Replace Discharge Force Main Air Relief Valves (4)	1/17/2019	Liberty Park Dschrg Force Main	
Replace Discharge Force Main Air Relief Valves (3)		Northwest Discharge Force Main	Replace three combination air relief valves on the force main with reconditioned units.
Replace Discharge Force Main Air Relief Valves (2)		Venard Discharge Force Main	Replace both combination air relief valves on the force main with reconditioned units.
4 Month Megger Of Submersible And Dry Pit Submersible Pumps	1/8/2019	College Pump 1 College Pump 2 College Pump 3 Earlston Pump 3 Venard Pump #1 Venard Pump #2 Venard Pump #3	Megger all pumps, no problems found.
500 Hour Oil Change on Pearth 4	1/3/2019	Digester 4 Mixing System	
Excess Equipment Exercise		-	
Annual proof of Insurance to be sent to OSFM	1/10/2019	Emerg Gen Diesel Storage Tank	
Grease Pump Bearings on 1-6 RAS pumps	1/7/2019	RAS Pump 1 RAS Pump 2 RAS Pump 3 RAS Pump 4 RAS Pump 5 RAS Pump 6	
ANNUAL FIRE EXTINGUISHER TAG AND RECIRTIFICATION	1/22/2019	Maintenance Services Building	
Exercise of Excess Influent and Effluent Gates	1/15/2019	Excess Flow Clarifier 1 Excess Flow Clarifier 2 Excess Flow Clarifier 3 Excess Flow Clarifier 4	
Exercise both 24" primary influent ratio valves	1/11/2019	Tunnel From PS to Grit Tunnel/Chan Primary Clarifiers	
Change Pre-Filters Blowers 1 - 4.		Blower Bag Room	
Change Filters On Grit Blowers 1,2,3.	1/14/2019	Grit Blower 1 Grit Blower 2	

Work Assignment	Completion Date	Equipment	NOTATIONS
By-Weekly Fluid and Misc. Check of Generators		Grit Blower 3 Kaeser Emergency Generator 1 Emergency Generator 2 Emergency Generator 3	
Operate Relief Valves On Heat Exchangers And Boilers	1/11/2019	Digester 1 Heat Exchanger Digester 2 Heat Exchanger Digester 3 Heat Exchanger Digester 4 Heat Exchanger Digester 5 Heat Exchanger Excess Flow Pump Station	
Replace Air Filters On Both Microstrainer Building Furnaces		Microstrainer Building	Replaced filters on both furnaces and ordered replacement filters for stock.
Exercising of all valves for secondaries 1 and 2 U-tubes	1/15/2019	Secondary Clarifier 1 Secondary Clarifier 2 Secondary Clarifier 3 Secondary Clarifier 4 Secondary Clarifier 5	
Test for H2S at Unison Gas skid	1/17/2019	CHP Gas Cleaning System	Raw Gas 400 ppm, H2S Vessel discharge, 30 ppm.
2000 Hour Grease of the UNISON BLOWER MOTOR	1/11/2019		
Monthly Liquid Status of Under Ground Diesel Tank		Emerg Gen Diesel Storage Tank	
Perform 1200 Hour scheduled maintenance on gas engine.	1/3/2019	CHP Engine Genset #2	Change oil and filters, send oil sample for analysis. Adjust valve clearance. Check air and gas filters. Check coolant and engine compression. Replaced building air intake filters with new. Ordered replacement parts for stock.
repair leak around the burner/flame inspection port.		Digester 1 Heat Exchanger	Drain water bath and remove the rear cover with site glass, install temporary steel plates over the two 6" with bypass piping between water inlet & outlet. Bring to shop to repair leak in rear cover. Also replace all auto air vents and replaced the leakin
Replace Tripp Lite batteries on back up UPS at each station with new.	1/4/2019	Butterfield Lift Station Centex Lift Station College Lift Station Earlston Lift Station Hobson Lift Station Liberty Park LS Northwest Lift Station Venard Lift Station Wroble Lift Station	Procured batteries, replaced old with new, made UPS with new batteries primary UPS at each station.
Purchase UPS units for stock.		SCADA	Purchased UPS units for stock.
Remove 3 uprooted trees along the fence line near the belt press.	1/8/2019	WWTC Landscaping	Under Cutters Tree Service remove 3 uprooted trees along the fence line near the belt press. All 3 trees were uprooted

Work Assignment	Completion Date	Equipment	NOTATIONS
			and leaning over the fence ready to fall.
PM work on Auger #4	1/7/2019	2009 AUGER-DAWG G30A 91093	PM work on Auger #4. Replaced hose assembly and greased bearing.
PM Work Auger #1	1/8/2019	2014 AUGER-DAWG G-30 4D091	PM work on auger #1. Rebuild bearing with new parts, replaced female couplers.
#3 Auger PM Work	1/11/2019	2004 AUGER-DAWG G-30 4D088	PM Auger #3, rebuild bearing with new parts.
Unison Gas System Siloxane Tank media replacment	1/7/2019	CHP Gas Cleaning System	Replaced siloxane media in East and West siloxane tanks. Replaced all 4 gaskets on top of vessels. Purged both East and west tanks with Nitrogen. Opened up West 2 tanks and circulated gas while venting for 35 minutes. Placed West tanks into service an
3 month Greasing of 3 AUMA Actuators	1/17/2019	Aeration Tank 11 Digester 1 Mixing Pump	
Grease Raw Sewage And Excess Flow Pumps	1/16/2019	Excess Flow Pump 06 Excess Flow Pump 07 Excess Flow Pump 08 Excess Flow Pump 09 Raw Sewage Pump 1 Raw Sewage Pump 2 Raw Sewage Pump 3 Raw Sewage Pump 4 Raw Sewage Pump 5	
6 Month Oil Change On Bearings X'cess Flow Sludge Pump #1& #2	1/17/2019	Excess Flow Sludge Pump 1	
Remove fuel tank and have cleaned and lined	1/14/2019	6 in CHE Diesel Trash Pump C/P	Removed fuel tank and brought to A-Len for flushing and lining. P/U and reinstall tank, relocate to storage building.
4 MONTH GREASING FITTINGS ON GRIT CONVEYORS	1/17/2019	Grit Conveyor System	
3 MONTH OIL CHANGE-GRIT BLOWER #3- KAESER	1/21/2019	Grit Blower 3 Kaeser	
Annual maintenance of Stanley Power Packs.	1/2/2019	2012 Stanley Hydraulic Pump	
Perform preventitive maintenance to both 6 inch CH&E pumps.	1/15/2019	6 in CH&E DSL TRSH PMP PERKIN 6 in CHE Diesel Trash Pump C/P	Changed oil, fuel, and air filters on both pumps. Drained and sent fuel tanks in for cleaning. Purchase spare parts for future repairs.
Re-fill fuel tank on the generator.	1/17/2019	Butterfield Stationary Generat Centex Stationary Generator College Stationary Generator Earlston Stationary Generator Hobson Stationary Generator Liberty Park Stationary Genera Northwest Stationary Generator	Assist Feece Oil with re-filling the fuel tank on the generator.

Work Assignment	Completion Date	Equipment	NOTATIONS
		Venard Stationary Generator	
		Wroble Stationary Generator	
63,015 Miles - Replace the front & rear brakes that are worn out.	1/18/2019	2011 Ford F-250	Replace the complete front and rear brakes. New rotors and pads were installed.
Test conditioner levels in heat loop system. Add conditioner if needed.		CHP Heat Recovery System	Tested, added conditioner and retested system. brought levels up to acceptable level (920PPM). Also ordered more conditioner to have on hand.
Replace seal on sludge recirc #5	1/17/2019	Digester 4 - 5 Sl Recirc Pmp 5	Sam and Joe replaced the seal and shaft on sludge recirc pump #5.
Repair or replace parts to restore proper operation of system.	1/24/2019	Excess Flow Pump 06	Replaced gauges, and regulators and solenoids with new. Cleaned seal water flow meters. Replaced damaged pipe and fittings.
		Excess Flow Pump 07	
		Excess Flow Pump 08	
		Excess Flow Pump 09	
Replace filters on Munters dehumidifier.	1/15/2019	Filter Building	Replaced all 5 filters.
Diagnose and repair engine for unexpected shut down due to unstable load	1/18/2019	CHP Engine Genset #2	Tested engine, determined spark plugs were cause of unstable load. Replaced spark plugs with new. Oil pressure switch I/O module replaced by Michael Nissen.
Thermostat stuck in open position.	1/21/2019	Centex Stationary Generator	Altorfer Power Systems drained the cooling system, replaced the thermostat and re-filled the cooling system. Run engine and verify proper operation.
Replace leaking jacket water heater hoses.		Northwest Stationary Generator	Altorfer Power Systems drained the cooling system, replaced the jacket water heater hoses and re-filled the cooling system. Run engine and verify proper operation.
Replace leaking ball valves on jacket water heating system.	1/22/2019	Hobson Stationary Generator	Altorfer Power Systems drained the cooling system, replaced the leaking ball valves, re-filled the cooling system. Run engine and verify proper operation.
Repair leaking snowblower. Purchase parts for stock.		Maintenance Services Building	Purchase repair and maintenance parts for plant snowblowers for stock. Repair leaking snowblower.
Replace the leaking sludge valve for tank in basement of the grit bldg	1/24/2019	Primary Clarifier 6	After sludge lines were isolated and drained, remove the actuator and leaking plug valve. Install a new 6" DeZurik plug valve, modify new valve to mount to the existing actuator, install actuator & test operation.
11,634 & 1998 Hours. Perform LOF on engine. Take oil sample.	1/30/2019	CHP Engine Genset #2	Changed oil and filters. Took oil sample and sent lab.
Replace both dehumidifiers that no longer work.	1/25/2019	Excess Flow Pump Station	Install 2 new dehumidifiers.

**DOWNERS GROVE SANITARY DISTRICT**  
**M E M O**

DATE: February 4, 2019

TO: Nicholas J. Menninga  
General Manager

FROM: Robert Swirsky  
Sewer System Maintenance Supervisor

RE: Monthly Report – January, 2019

1.	JULIE Line Markings:	Current	Year to Date
	Received	428	428
	In District	405	405
	Marked	168	168
	Man Hours	73	73
2.	Building Service:	Current	Year to Date
a.	BSSRAP TV Inspections	15	15
b.	Emergency BSSRAP Repairs	12	12
c.	Total BSSRAP Repairs	15	15
d.	I&I inspections	00	00
e.	I&I C.O. installation	00	00
f.	Replace broken cleanout caps	00	00
g.	OHSP TV Inspections	00	00
h.	Post Rodding TV	02	02
3.	Sewer backups:	Current	Year to Date
a.	Public sewer	0	0
b.	Private sewer	15	15
c.	Surcharged main	0	0
d.	Pump station	<u>0</u>	<u>0</u>
	Total	15	15
		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):	0	0 Ft.
	a. Sewer Televising (outside contractors):	0	0 Ft.
6.	LETS TV	1	1
7.	Manhole inspections	48	48

8. Sewer and manhole repairs and replacements by Uno Construction:  
G5-042 to G5-041 ComEd crossbore repair.
9. Miscellaneous: (sewer system personnel)
  - a. Upload flow-meters.
  - b. Siloxane Media Removal WWTC.

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

**DOWNERS GROVE SANITARY DISTRICT**  
**M E M O**

DATE: February 7, 2019

TO: Nicholas J. Menninga  
General Manager

FROM: Ted Cherwak  
Sewer Construction Supervisor

RE: Monthly Report: Sewer Construction \ Code Enforcement – January 2019

- | 1. | Permits issued: | Current  | Year to Date |
|----|-----------------|----------|--------------|
| a. | Single family   | 7        | 7            |
| b. | Multiple family | 0        | 0            |
| c. | Commercial      | 0        | 0            |
| d. | Repair          | 0        | 0            |
| e. | Disconnection   | <u>2</u> | <u>2</u>     |
|    | Total           | 9        | 9            |
- 
- | 2. | Inspections made:      | Current  | Year to Date |
|----|------------------------|----------|--------------|
| a. | Connections            | 4        | 4            |
| b. | Finals                 | 5        | 5            |
| c. | Repairs                | 0        | 0            |
| d. | Disconnects            | 3        | 3            |
| e. | Groundwork             | 1        | 1            |
| f. | Walk-Thru              | 0        | 0            |
| g. | Pre-connections        | 0        | 0            |
| h. | Overhead Sewer Program | 0        | 0            |
| i. | Code Enforcement       | 3        | 3            |
| j. | Lateral testing        | <u>2</u> | <u>2</u>     |
|    | Total                  | 18       | 18           |
- 
3. New Sewer Extension Construction:
- a. None
- 
4. New Sewer Extension Testing - air, deflection, manhole, televising and lamping:
- a. None
- 
5. Code Enforcement:
- a. Overhead Sewer Program
- b. Grease Trap Inspections

6. Plan & Permit Reviews:
  - a. 5224 Cornell, single family review
  - b. 1316 Turvey, single family review
  - c. 4500 Oakwood, single family review
  - d. 1140 Jefferson, single family review
  - e. 5732 Carpenter, single family review
  - f. 4013 Washington, single family review
7. Building Sanitary Service Access Agreements:
  - a. Nelson Meadow Subdivision (11-lots), Downers Grove
  - b. 4013 Washington, Downers Grove
  - c. 5224 Cornell, Downers Grove
  - d. 1801 Butterfield, Downers Grove
8. Illinois EPA Permits:
  - a. None
9. Waste Hauling Permits Issued:
  - a. None
10. Miscellaneous:
  - a. Pre-Construction meeting – 2200 Warrenville Road
  - b. Pre-Construction meeting – 6200 S Cass Avenue

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



# Permits Issued: JANUARY 2019

YEAR	PERMIT #	ADDRESS	STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2018	175	5701	FAIRVIEW	DG	1/7/2019	SF	\$266.00	\$208.00
2018	176	5703	FAIRVIEW	DG	1/7/2019	SF	\$266.00	\$208.00
2019	2	1316	TURVEY	DG	1/11/2019	DISCON		
2019	4	4500	OAKWOOD	DG	1/14/2019	DISCON		
2018	171	4925	PROSPECT	DG	1/15/2019	SF-RB		\$208.00
2019	6	1140	JEFFERSON	DG	1/21/2019	SF-RB		\$208.00
2019	7	5732	CARPENTER	DG	1/21/2019	SF	\$3,101.00	\$208.00
2019	8	4013	WASHINGTON	DG	1/22/2019	SF-RB		\$208.00
2019	1	5224	CORNELL	DG	1/31/2019	SF	\$3,101.00	\$208.00
TOTAL:							\$6,734.00	\$1,456.00

# Permit Final Inspections: JANUARY 2019

YEAR	PERMIT #	ADDRESS	STREET	CITY	FINAL
2017	176	4023	N LINCOLN	W	1/3/2019
2018	55	412	SHERMAN	DG	1/9/2019
2018	14	602	GRANT	DG	1/22/2019
2018	84	1513	GEORGE	DG	1/23/2019
2018	160	7351	LEMONT	DG	1/24/2019

## Progress Report

To: Nick Menninga, General Manager  
From: Reese Berry, Laboratory Supervisor  
Date: February 7, 2019  
Re: January 2019 Laboratory Report

We had no excess rain events during the month of January. There were no permit excursions during January 2019.

### **Industrial/Pretreatment:**

We issued an amended permit to Rexnord for their old facility. They no longer have treatment processes discharging to DGSD, so changing their sampling and testing requirements to reflect these changes was acceptable.

### **NPDES Permit Requirements:**

Biomonitoring or Whole Effluent Toxicity testing was completed during January 2019. This is sampling/testing to be done at intervals starting 18 months prior to the expiration of the current NPDES permit. The sample results were acceptable and forwarded to IEPA, with the next sampling date set for April 2019.

### **Biosolids:**

All data received from the January sampling period was acceptable and well below the class A biosolids requirements.

We've compiled and completed the biosolids annual report for 2018. We will submit this report to the US EPA during the month of February.

### **Equipment:**

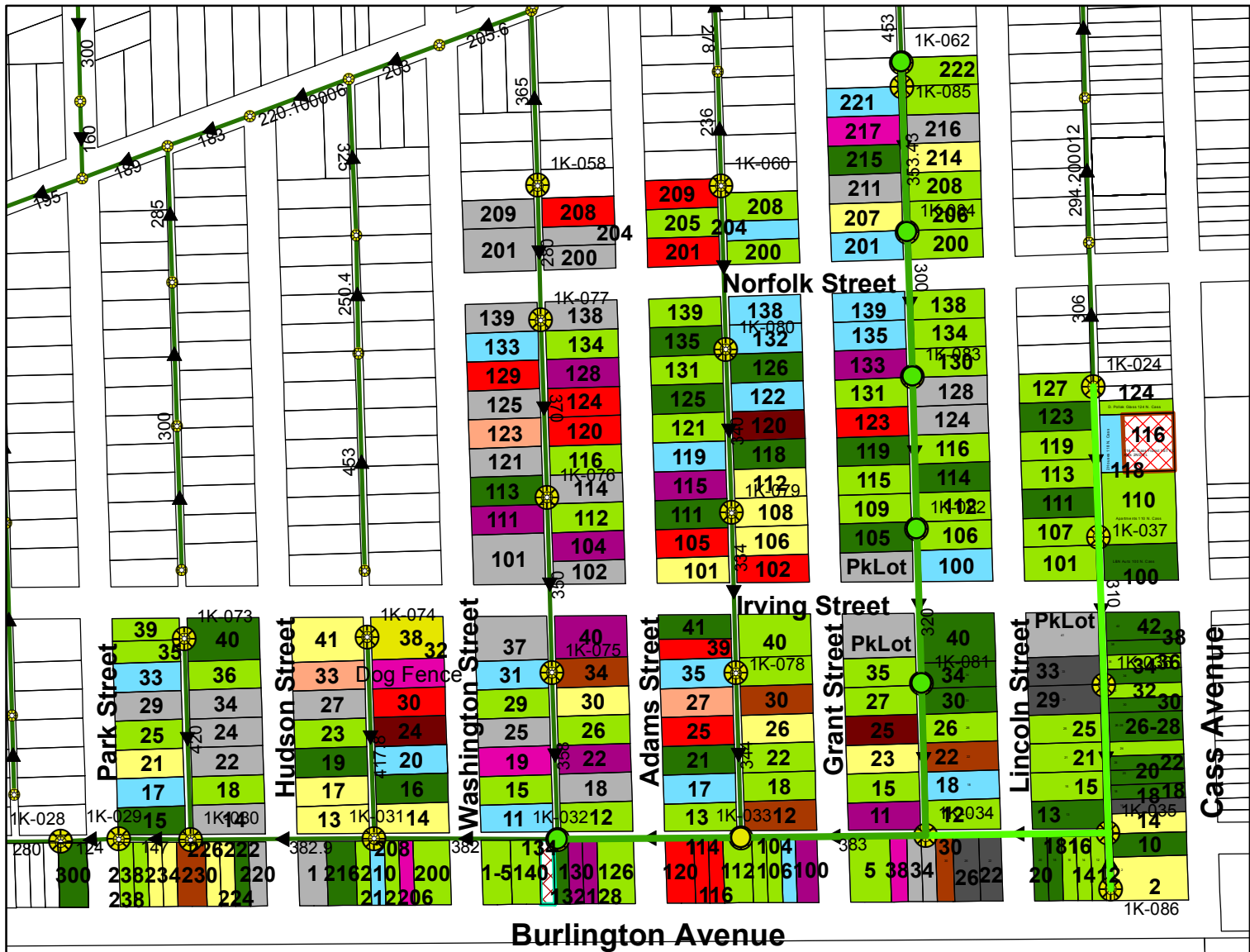
The Hach Ammonia Analyzer, was scheduled to have start-up and training from Hach on January 23<sup>rd</sup>, but was re-scheduled due to scheduling conflicts with the Hach technicians. It was then delayed due to the polar vortex temperatures, but finally installed and operational on February 5<sup>th</sup>.

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

# Downers Grove Sanitary District

## I&I Removal Target Area

### 1K-028 Parcel Status



- Legend**
- MH\_Status**
- Eliminate MH
  - Save in Place
  - Replace
  - Replaced
- Replaced**
- 2016 Replacement
  - 2016 Sanitary Sewers Replaced
  - Parcels Assessment/Real Estate
  - SWNETMTHG
  - Manholes
- 1K-028 Parcels**
- Inspection Needed
  - Status
  - 1A Has a Cleanout And All PVC Service
  - 1B All PVC Service No OSCO
  - 2A C/O Installed, Ready For Rehab
  - 2B Agreement Received Ready For C/O
  - 2B/C Agreements Received, C/O & TV Needed
  - 2D BSSRAP/IOHSP TV Done
  - 3A Released For Cleanout
  - 4 Inspection Done Agreements Needed
  - 4A Has An Existing Cleanout
  - 5 Scheduled For An Inspection
  - 5A Inspection Done Qualifies for BSSRAP
  - 5B Unable to TV
  - 6BX Unable to TV, Violation
  - 6X Violation
  - Demolished/Vacant

## STATUS OF 1K-028 INSPECTIONS AND AGREEMENT ACQUISITIONS

Category	Inspections Scheduled	Inspections Completed	Application Received	Agreements Signed	Cleanout Installed	Service Rehab Done	Totals	Total as Percentage
1A	Y	Y	N	Y	Y	N/A	19	8%
1B	Y	Y	N	N	N	N/A	1	0%
2A	Y	Y	Y	Y	Y	N	68	30%
2B	Y	Y	Y	Y	Y	N	16	7%
2D	Y	Y	Y	N	N	N	3	1%
3A	Y	Y	Y	Y	N	N	6	3%
4	Y	Y	N	N	N	N	38	17%
4A	N	N	N	N	N/A	N	3	1%
5	Y	N	N	N	N	N	0	0%
5A	Y	Y	N	N	N	N	15	7%
5AX	Y	Y	N	N	N	N	0	0%
5B	Y	N	N	N	N	N	22	10%
5BX	Y	N	N	N	N	N	1	0%
0	N	N	N	N	N	N	30	13%
X	-	-	-	-	-	-	5	2%
5X	-	-	-	-	-	-	1	0%

### Category Description:

228      100%

11% Complete

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

1B - All PVC no Cleanout

2A - BSSRAP repair done, ready for rehab

2B - Ready for rehab

2D - BSSRAP/OHSP TV done

3A - Released to contractor for cleanout installation

4 - Inspection completed (Program application needed)

4A - Has an existing cleanout

5 - Inspections scheduled

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

5AX - Violation, BSSRAP needed

5B - Unable to TV

5BX - Unable to TV Violation

0 - Inspection Needed

X - Demolished

5X - Inspection done - Violation not corrected

2015 Basin I&I Ranking = 1

2016 Basin I&I Ranking = 27

2018 Basin I&I Ranking = 6

Combined pit violations found and corrected to date - 0

Storm pit violations found and corrected to date - 2

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

**DATE: 01/31/19**

CASH BALANCES						PREVIOUS MONTH							
ACCOUNT NAME		ACCOUNT NUMBER		BALANCE PER BANK STATEMENT		TOTAL BALANCE PER BANK STATEMENTS	MONTHLY EARNINGS CREDIT	EARNINGS CREDIT PERCENTAGE					
DEPOSIT		XXXXXXXXX1116		\$884,298.75									
DISBURSEMENT		XXXXXXXXX1111		168,087.82									
FLEXIBLE BENEFITS		XXXXXXXXX6025		8,368.82									
PAYROLL		XXXXXXXXX1117		205,703.30									
PETTY CASH		XXXXXXXXX1112		2,972.30									
USER REFUNDS		XXXXXXXXX1114		4,508.46									
TOTAL - CASH AT BANK				\$1,273,939.45		\$1,252,909.74	\$874.42	0.0698%					
INVESTMENTS													
TYPE	FINANCIAL INSTITUTION	TERM	MATURITY	AMOUNT	ANNUAL YIELD	GENERAL CORPORATE FUND	IMPROVEMENT FUND	CONSTRUCTION FUND	PUBLIC BENEFIT FUND	SEWER EXTENSION FUND	INTEREST EARNED AT YIELD		
CD	FIRST INTERNET BANK	12 MOS	5/14/2019	\$250,000.00	2.300%		\$250,000.00				\$5,750.00		
CD	TAB BANK	12 MOS	5/23/2019	\$250,000.00	2.200%	\$100,000.00	\$150,000.00				\$5,500.00		
CD	CIT BANK	12 MOS	11/9/2019	\$245,000.00	2.150%	\$245,000.00					\$5,267.50		
CD	TRISTATE CAPITAL	12 MOS	11/9/2019	\$249,990.00	2.850%		\$249,990.00				\$7,124.72		
CD	BRIDGEVIEW BANK	12 MOS	2/15/2020	\$250,000.00	2.570%	\$100,000.00	\$107,719.45		\$35,260.73	\$7,019.82	\$6,425.00		
TOTAL CDs				\$1,244,990.00	2.415%	\$445,000.00	\$757,709.45	\$0.00	\$35,260.73	\$7,019.82	\$30,067.22		
TYPE	FINANCIAL INSTITUTION	TERM	LAST ACTION DATE	AMOUNT	CURRENT RATE OF RETURN	ESTIMATED ANNUAL RETURN							
MM	BANKFINANCIAL	ONGOING	3/13/2013	\$15,358.58	1.000%	\$15,358.58	\$153.59						
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	\$1,075.98	0.120%	\$1,075.98	\$1.29						
MM	LISLE SAVINGS BANK	ONGOING	9/2/2015	\$1,017.50	0.400%	\$1,017.50	\$4.07						
MM	LUANA SAVINGS BANK	ONGOING	4/2/2012	\$250,000.00	1.550%	\$250,000.00	\$3,875.00						
MM	AXOS BANK fka Nationwide Bank	ONGOING	10/9/2015	\$50,158.89	0.300%	\$50,158.89	\$150.48						
MM	ROYAL BANK fka Park Fed Savings	ONGOING	12/4/2012	\$1,150.90	0.149%	\$1,150.90	\$1.71						
MM	STEARNS BANK	ONGOING	9/1/2015	\$250,000.00	2.000%	\$250,000.00	\$5,000.00						
MM	TRISTATE CAPITAL BANK	ONGOING	11/9/2016	\$10.00	0.000%		\$10.00	\$0.00					
MM	WEST SUBURBAN BANK	ONGOING	11/20/2012	\$5,141.02	0.050%		\$5,141.02	\$2.57					
TOTAL MM ACCOUNTS				\$578,912.87	1.591%	\$573,761.85	\$5,151.02	\$0.00	\$0.00	\$0.00	\$9,211.21		
ILLINOIS FUNDS - MONEY MARKET				\$1,525,110.02	2.422%	\$1,076,033.66	\$249,076.36	\$200,000.00	\$0.00	\$0.00	\$36,938.16		
SUBTOTAL - CD'S, MM AND IL FUNDS				\$3,349,012.89	2.276%	\$2,094,795.51	\$1,011,936.83	\$200,000.00	\$35,260.73	\$7,019.82	\$76,216.59		
TYPE		INSTALLMENT INVOICED	CLOSING DATE	AMOUNT	FIXED RATE								
VOUCHERS - SA58		10 OF 10	01/02/19	23,647.69	1.240%	1,322.24	22,325.45	0.00	293.23				
TOTAL VOUCHERS				\$23,647.69	1.240%	\$1,322.24	\$22,325.45	\$0.00	\$0.00	\$0.00	\$293.23		
TOTAL - ALL INVESTMENTS				\$3,372,660.58	2.269%	\$2,096,117.75	\$1,034,262.28	\$200,000.00	\$35,260.73	\$7,019.82	\$76,509.82		

**TOTAL CASH AND INVESTMENTS**      \$4,646,600.03

Memo

To: Board of Trustees  
From: Nick Menninga, General Manager  
Date: February 8, 2019  
Subject: Treasurer's Report for January, 2019

Attached please find the subject report that tracks income and expenses for the first nine months of Fiscal Year 18-19.

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

Year-to-date	Income	Expense
General Fund	\$ 7,166,452.64 (page 1)	\$ 6,802,791.16 (page 6)
Improvement Fund	\$ 34,572.49 (page 7)	\$ 202,903.17 (page 7)
Construction Fund	\$ 138,977.00 (page 8)	\$ 14,403.64 (page 9)
Public Benefit Fund	\$ 318.73 (page 10)	\$ 0.00 (page 10)
TOTAL	\$ 7,340,320.86	\$ 7,020,097.97

C: BOLI, WCC, MGP

=====

Fund number & Description	Ending Fund Balance
-----	
Fund 01 : GENERAL FUND	\$3,160,190.02
Fund 02 : IMPROVEMENT FUND	\$1,173,923.17
Fund 03 : CONSTRUCTION FUND	\$277,844.02
Fund 05 : PUBLIC BENEFIT FUND	\$36,245.06
Recap Totals	<hr/> \$4,648,202.27



## TREASURER'S REPORT

DATE 02/08/19

MONTH ENDED 01/31/19

PAGE 1

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
DEPT 05	REVENUES								
3000	PROPERTY TAXES		909.02-	0	1,183,039.87-	1,167,500-	15,539.87-	1.3	1,167,500-
3001	USER RECEIPTS		270,471.57-	309,394-	2,438,698.80-	2,583,858-	145,159.20	5.6-	3,344,800-
3002	SURCHARGES		38,579.39-	27,083-	262,582.84-	243,747-	18,835.84-	7.7	325,000-
3004	PLAN REVIEW FEES		.00	0	364.00-	750-	386.00	51.5-	1,000-
3005	CONSTRUCTION INSPECTION FEES		.00	0	.00	360-	360.00	100.0-	500-
3006	PERMIT INSPECTION FEES		1,248.00-	1,833-	20,200.00-	16,497-	3,703.00-	22.5	22,000-
3007	INTEREST ON INVESTMENTS		4,726.18-	1,250-	31,612.44-	11,250-	20,362.44-	181.0	15,000-
3013	SAMPLING AND MONITORING		10,461.43-	5,833-	75,804.25-	52,497-	23,307.25-	44.4	70,000-
3014	REPLACEMENT TAXES		9,211.92-	9,700-	52,799.87-	59,100-	6,300.13	10.7-	79,800-
3015	MISCELLANEOUS INCOME		.00	833-	2,661.81-	7,497-	4,835.19	64.5-	10,000-
3021	TELEVISION INSPECTION		.00	0	.00	150-	150.00	100.0-	150-
3023	PROPERTY LEASE PAYMENTS		2,840.81-	2,792-	25,376.94-	25,128-	248.94-	1.0	33,500-
3024	MONTHLY SERVICE FEES		352,090.18-	359,823-	2,896,477.28-	2,886,237-	10,240.28-	.4	3,827,900-
3027	GREASE WASTE		25,033.05-	16,667-	176,834.54-	150,003-	26,831.54-	17.9	200,000-
3040	RENEWABLE ENERGY CREDITS		.00	750-	.00	2,250-	2,250.00	100.0-	3,000-
=====									
DEPT 05 TOTALS			715,571.55-	735,958-	7,166,452.64-	7,206,824-	40,371.36	.6-	9,100,150-
=====									
FUND REVENUE TOTAL			715,571.55-	735,958-	7,166,452.64-	7,206,824-	40,371.36	.6-	9,100,150-
=====									
DEPT 11	O & M EXPENSES - ADMINISTRATION								
SECT A	SALARIES AND WAGES								
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		20,600.68	21,240	175,939.77	202,444	26,504.23-	13.1-	265,500
A004	FINANCIAL RECORDS		15,846.02	14,928	153,728.76	142,283	11,445.76	8.0	186,600
A005	ADMINISTRATIVE RECORDS		3,623.13	4,816	35,893.68	45,903	10,009.32-	21.8-	60,200
A007	CODE ENFORCEMENT		31,200.75	27,200	280,980.53	259,250	21,730.53	8.4	340,000
A008	SAFETY ACTIVITIES		.00	200	513.39	1,906	1,392.61-	73.1-	2,500
A030	BUILDING AND GROUNDS		.00	0	449.56	0	449.56	.0	0
=====									
SECT A TOTALS			71,270.58	68,384	661,005.69	665,961	4,955.31-	.7-	873,700
=====									
SECT B	OPERATIONS AND MAINTENANCE								
B100	ELECTRICITY		234.10	300	1,542.91	3,300	1,757.09-	53.3-	4,000
B101	NATURAL GAS		197.80	350	630.13	2,100	1,469.87-	70.0-	3,000
B102	WATER, GARBAGE AND OTHER UTILITIES		97.80	180	411.17	970	558.83-	57.6-	1,150
B110	BANK CHARGES		1,108.76	1,600	11,408.00	14,400	2,992.00-	20.8-	19,200
B112	COMMUNICATION		662.17	1,333	9,712.07	11,997	2,284.93-	19.1-	16,000
B115	EQUIPMENT/EQUIPMENT REPAIR		2,231.54	6,700	47,052.77	87,900	40,847.23-	46.5-	108,000
B116	SUPPLIES		182.26	633	5,144.08	5,697	552.92-	9.7-	7,600
B117	EMPLOYEE/DUTY COSTS		766.56	1,083	8,765.01	9,747	981.99-	10.1-	13,000
B118	BUILDING AND GROUNDS		331.00	1,200	10,438.74	22,800	12,361.26-	54.2-	24,000
B119	POSTAGE		12.69	1,000	4,283.40	9,000	4,716.60-	52.4-	12,000
B120	PRINTING/PHOTOGRAPHY		.00	200	10,209.02	9,800	409.02	4.2	10,400
B121	USER BILLING MATERIALS		5,436.74	6,142	47,198.02	55,278	8,079.98-	14.6-	73,700

## TREASURER'S REPORT

DATE 02/08/19

MONTH ENDED 01/31/19

PAGE 2

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B124	CONTRACT SERVICES		7,844.43	8,117	123,084.51	73,053	50,031.51	68.5	97,400
B137	MEMBERSHIPS/SUBSCRIPTIONS		.00	150	6,433.00	6,600	167.00-	2.5-	7,600
=====									
SECT B TOTALS			19,105.85	28,988	286,312.83	312,642	26,329.17-	8.4-	397,050
=====									
SECT C VEHICLES									
C222	GAS/FUEL		161.95	200	744.30	1,500	755.70-	50.4-	2,100
C225	OPERATION/REPAIR		.00	0	891.37	939	47.63-	5.1-	1,250
=====									
SECT C TOTALS			161.95	200	1,635.67	2,439	803.33-	32.9-	3,350
=====									
DEPT 11 TOTALS			90,538.38	97,572	948,954.19	981,042	32,087.81-	3.3-	1,274,100
=====									
DEPT 12 O & M EXPENSES - WWTC									
=====									
SECT A SALARIES AND WAGES									
A009	OPERATIONS MANAGEMENT		8,093.82	1,800	72,124.41	17,156	54,968.41	320.4	22,500
A010	MAINTENANCE - BUDGET		.00	46,304	.00	441,335	28,532.33-	6.5-	578,800
A011	MAINTENANCE - WWTC		39,615.18	0	307,713.36	0	.00	.0	0
A012	MAINTENANCE - VEHICLES		60.36	0	3,696.64	0	.00	.0	0
A013	MAINTENANCE - ENERGY RECOVERY		3,468.37	0	23,047.53	0	.00	.0	0
A014	MAINTENANCE - ELECTRICAL		8,941.85	0	78,345.14	0	.00	.0	0
A020	WWTC - BUDGET		.00	48,520	.00	462,456	38,690.62-	8.4-	606,500
A021	WWTC - OPERATIONS		27,317.18	0	269,172.02	0	.00	.0	0
A022	WWTC - SLUDGE HANDLING		5,444.17	0	141,358.28	0	.00	.0	0
A023	WWTC - ENERGY RECOVERY		816.87	0	13,235.08	0	.00	.0	0
A030	BUILDING AND GROUNDS		1,787.99	3,884	42,169.13	37,019	5,150.13	13.9	48,550
=====									
SECT A TOTALS			95,545.79	100,508	950,861.59	957,966	7,104.41-	.7-	1,256,350
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		11,149.26	6,000	59,355.99	54,000	5,355.99	9.9	72,000
B101	NATURAL GAS		336.21	1,000	2,656.97	9,000	6,343.03-	70.5-	12,000
B102	WATER, GARBAGE AND OTHER UTILITIES		2,293.53	4,600	17,485.09	27,400	9,914.91-	36.2-	34,000
B103	ODOR CONTROL		1,000.70	700	2,521.20	6,300	3,778.80-	60.0-	8,000
B104	FUEL - GENERATORS		804.08	0	6,659.39	10,125	3,465.61-	34.2-	13,500
B112	COMMUNICATION		981.04	1,333	10,884.68	11,997	1,112.32-	9.3-	16,000
B113	EMERGENCY/SAFETY EQUIPMENT		529.33	1,267	8,146.96	11,403	3,256.04-	28.6-	15,200
B116	SUPPLIES		683.80	2,438	20,294.41	21,942	1,647.59-	7.5-	29,250
B117	EMPLOYEE/DUTY COSTS		1,484.10	2,000	14,345.50	19,500	5,154.50-	26.4-	25,000
B124	CONTRACT SERVICES		.00	0	131,034.00	131,050	16.00-	.0	131,050
B130	NPDES PERMIT FEES		.00	0	53,000.00	53,000	.00	.0	53,000
B131	SLUDGE HAULING/DISPOSAL SERVICES		.00	0	60,000.00	60,000	.00	.0	60,000
B400	CHEMICALS - BUDGET		.00	7,783	.00	70,047	37,157.75	53.1	93,400
B401	CHEMICALS - DISINFECTION		.00	0	56,800.93	0	.00	.0	0
B402	CHEMICALS - SLUDGE DEWATERING		2,142.54	0	23,609.17	0	.00	.0	0
B403	CHEMICALS - TERTIARY TREATMENT		.00	0	3,819.78	0	.00	.0	0
B404	CHEMICALS - OTHER		14,191.87	0	22,974.87	0	.00	.0	0
B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS		234.87	7,253	21,586.14	65,277	43,690.86-	66.9-	87,036

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FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B502	EQPT/EQPT REPAIR - DISINFECTION		114.54	2,167	13,451.23	19,503	6,051.77-	31.0-	26,009
B503	EQPT/EQPT REPAIR - EXCESS FLOW		.00	4,041	2,202.97	36,369	34,166.03-	93.9-	48,487
B504	EQPT/EQPT REPAIR - GRIT REMOVAL		.00	1,061	2,338.08	9,549	7,210.92-	75.5-	12,731
B505	EQPT/EQPT REPAIR - INFLUENT PUMPING		67.73	3,536	10,615.41	31,824	21,208.59-	66.6-	42,436
B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT		479.39	4,206	58,515.42	37,854	20,661.42	54.6	50,468
B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT		8,908.85	10,614	130,468.43	95,526	34,942.43	36.6	127,369
B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION		115.00	474	2,484.87	4,266	1,781.13-	41.8-	5,682
B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING		9.03	2,739	19,197.61	24,651	5,453.39-	22.1-	32,870
B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION		3,900.80	6,645	30,158.18	59,805	29,646.82-	49.6-	79,740
B511	EQPT/EQPT REPAIR - TERTIARY TREATMENT		169.24	2,297	2,037.07	20,673	18,635.93-	90.2-	27,566
B512	EQPT/EQPT REPAIR - WWTC GENERAL		1,025.76	3,204	19,794.55	28,836	9,041.45-	31.4-	38,449
B513	EQPT/EQPT REPAIR - WWTC UTILITIES		13,126.79	11,526	120,656.33	103,734	16,922.33	16.3	138,307
B801	BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOS		.00	1,250	12,505.00	11,250	1,255.00	11.2	15,001
B802	BLDG AND GROUNDS - DISINFECTION		.00	44	899.63	396	503.63	127.2	531
B803	BLDG AND GROUNDS - EXCESS FLOW		.00	380	3,145.09	3,420	274.91-	8.0-	4,561
B804	BLDG AND GROUNDS - GRIT REMOVAL		.00	88	183.44	792	608.56-	76.8-	1,061
B805	BLDG AND GROUNDS - INFLUENT PUMPING		45.32	1,332	13,028.44	11,988	1,040.44	8.7	15,988
B807	BLDG AND GROUNDS - SECONDARY TREATMENT		.00	88	229.06	792	562.94-	71.1-	1,061
B809	BLDG AND GROUNDS - SLUDGE DEWATERING		.00	88	1,894.55	792	1,102.55	139.2	1,061
B810	BLDG AND GROUNDS - SLUDGE DIGESTION		.00	3,601	33,826.84	32,409	1,417.84	4.4	43,215
B811	BLDG AND GROUNDS - TERTIARY TREATMENT		.00	1,275	17,013.56	11,475	5,538.56	48.3	15,305
B812	BLDG AND GROUNDS - WWTC GENERAL		93.03	14,710	119,691.91	132,390	12,698.09-	9.6-	176,525
B813	BLDG AND GROUNDS - WWTC UTILITIES		.00	133	.00	1,197	1,197.00-	100.0-	1,591
=====									
SECT B TOTALS			63,886.81	109,873	1,129,512.75	1,230,532	101,019.25-	8.2-	1,555,450
=====									
SECT C VEHICLES									
C222	GAS/FUEL		1,707.32	2,708	15,167.76	24,372	9,204.24-	37.8-	32,500
C225	OPERATION/REPAIR		.00	583	8,145.88	5,247	2,898.88	55.3	7,000
C226	VEHICLE PURCHASES		.00	0	10,778.00	15,000	4,222.00-	28.2-	15,000
=====									
SECT C TOTALS			1,707.32	3,291	34,091.64	44,619	10,527.36-	23.6-	54,500
=====									
DEPT 12 TOTALS									
			161,139.92	213,672	2,114,465.98	2,233,117	118,651.02-	5.3-	2,866,300
=====									
DEPT 13 O & M EXPENSES - LABORATORY									
SECT A SALARIES AND WAGES									
A009	OPERATIONS MANAGEMENT		6,376.15	4,924	54,177.41	46,932	7,245.41	15.4	61,550
A040	LABORATORY - BUDGET		.00	13,152	.00	125,355	11,448.34-	9.1-	164,400
A041	LAB - WWTC		9,970.36	0	92,837.25	0	.00	.0	0
A042	LAB - PRETREATMENT		637.07	0	6,415.28	0	.00	.0	0
A043	LAB - SURCHARGE PROGRAM		.00	0	7,603.95	0	.00	.0	0
A044	LAB - BOD		269.91	0	835.70	0	.00	.0	0
A045	LAB - SOLIDS		.00	0	91.53	0	.00	.0	0
A047	LAB - MICRO		.00	0	15.74	0	.00	.0	0
A048	LAB - ENERGY RECOVERY		218.61	0	6,107.21	0	.00	.0	0
=====									
SECT A TOTALS			17,472.10	18,076	168,084.07	172,287	4,202.93-	2.4-	225,950
=====									

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NUMBER	DESCRIPTION	COST	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		699.07	1,433	9,084.09	12,897	3,812.91-	29.6-	17,200
B115	EQUIPMENT/EQUIPMENT REPAIR		.00	1,350	1,438.79	12,150	10,711.21-	88.2-	16,200
B116	SUPPLIES		652.54	1,729	5,810.78	15,561	9,750.22-	62.7-	20,750
B117	EMPLOYEE/DUTY COSTS		360.00	458	1,664.77	4,122	2,457.23-	59.6-	5,500
B122	MONITORING EQUIPMENT		.00	0	51.12	6,750	6,698.88-	99.2-	9,000
B123	OUTSIDE LAB SERVICES		1,953.20	1,588	10,988.60	14,292	3,303.40-	23.1-	19,050
=====									
SECT B TOTALS			3,664.81	6,558	29,038.15	65,772	36,733.85-	55.9-	87,700
=====									
SECT C VEHICLES									
C222	GAS/FUEL		57.22	42	285.50	378	92.50-	24.5-	500
C225	OPERATION/REPAIR		.00	0	35.20	150	114.80-	76.5-	200
=====									
SECT C TOTALS			57.22	42	320.70	528	207.30-	39.3-	700
=====									
DEPT 13 TOTALS			21,194.13	24,676	197,442.92	238,587	41,144.08-	17.2-	314,350
=====									
DEPT 14 O & M EXPENSES - SEWER SYSTEM									
SECT A SALARIES AND WAGES									
A050	SEWER MAINTENANCE - BUDGET		.00	12,632	.00	120,399	26,011.58	21.6	157,900
A051	SEWER MAINTENANCE		13,220.26	0	135,242.92	0	.00	.0	0
A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS		587.39	0	11,167.66	0	.00	.0	0
A060	INSPECTION - BUDGET		.00	27,784	.00	264,816	26,280.64-	9.9-	347,300
A061	INSPECTION - NEW CONSTRUCTION		.00	0	833.08	0	.00	.0	0
A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS		6,984.84	0	74,763.09	0	.00	.0	0
A063	INSPECTION - PERMIT INSPECTIONS		1,010.79	0	15,518.72	0	.00	.0	0
A064	INSPECTION - MISCELLANEOUS		10,546.27	0	73,078.11	0	.00	.0	0
A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES		3,227.89	0	49,963.77	0	.00	.0	0
A066	INSPECTION - CODE ENFORCEMENT		2,393.29	0	24,378.59	0	.00	.0	0
A070	SEWER INVESTIGATIONS - BUDGET		.00	928	.00	8,845	1,147.80-	13.0-	11,600
A072	SEWER INVESTIGATIONS		424.25	0	7,697.20	0	.00	.0	0
=====									
SECT A TOTALS			38,394.98	41,344	392,643.14	394,060	1,416.86-	.4-	516,800
=====									
SECT B OPERATIONS AND MAINTENANCE									
B112	COMMUNICATION		528.34	875	5,686.79	7,875	2,188.21-	27.8-	10,500
B113	EMERGENCY/SAFETY EQUIPMENT		.00	375	953.47	3,375	2,421.53-	71.8-	4,500
B115	EQUIPMENT/EQUIPMENT REPAIR		2,591.07	3,421	23,062.45	30,789	7,726.55-	25.1-	41,050
B116	SUPPLIES		250.60	458	3,602.80	4,122	519.20-	12.6-	5,500
B117	EMPLOYEE/DUTY COSTS		1,544.40	1,125	5,978.68	10,125	4,146.32-	41.0-	13,500
B124	CONTRACT SERVICES		28,742.95	11,008	62,043.20	99,072	37,028.80-	37.4-	132,100
B127	JULIE SYSTEM		.00	1,408	8,408.18	12,672	4,263.82-	33.7-	16,900
B128	OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM		3,000.00	2,200	25,997.00	29,400	3,403.00-	11.6-	36,000
B129	REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGE		.00	0	5,425.50	9,000	3,574.50-	39.7-	12,000
B900	SEWER SYSTEM REPAIRS - BUDGET		.00	115,000	.00	1,835,000	120,253.33-	6.6-	2,331,600
B901	SEWER SYSTEM REPAIRS - I/I PROGRAM		.00	0	1,022,354.30	0	.00	.0	0
B902	SEWER SYSTEM REPAIRS - REPLACEMENT		.00	0	32,608.56	0	.00	.0	0

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NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B903	SEWER SYSTEM REPAIRS - REHABILITATION		.00	0	19,269.79	0	.00	.0	0
B904	SEWER SYSTEM REPAIRS - TV INSPECTION		.00	0	20.00-	0	.00	.0	0
B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM		62,061.69	0	542,976.18	0	.00	.0	0
B911	SEWER SYSTEM REPAIRS - BSSRAP - TARGET I/I		.00	0	4,995.00	0	.00	.0	0
B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/R		.00	0	1,767.25	0	.00	.0	0
B929	ARRA LOAN PRINCIPAL REPAYMENT		.00	0	90,795.59	0	.00	.0	0
=====									
SECT B TOTALS			98,719.05	135,870	1,855,904.74	2,041,430	185,525.26-	9.1-	2,603,650
=====									
SECT C VEHICLES									
C222	GAS/FUEL		2,324.20	2,208	11,693.71	19,872	8,178.29-	41.2-	26,500
C225	OPERATION/REPAIR		590.00	542	4,326.68	4,878	551.32-	11.3-	6,500
C226	VEHICLE PURCHASES		.00	0	410.56	0	410.56	.0	0
=====									
SECT C TOTALS			2,914.20	2,750	16,430.95	24,750	8,319.05-	33.6-	33,000
=====									
DEPT 14 TOTALS			140,028.23	179,964	2,264,978.83	2,460,240	195,261.17-	7.9-	3,153,450
=====									
DEPT 15 O & M EXPENSES - LIFT STATIONS									
SECT A SALARIES AND WAGES									
A009	OPERATIONS MANAGEMENT		50.94	36	9,404.88	343	9,061.88	2,642.0	450
A030	BUILDING AND GROUNDS		.00	0	996.52	0	996.52	.0	0
A080	LIFT STATION MAINTENANCE		2,684.49	5,488	57,937.61	52,308	5,629.61	10.8	68,600
=====									
SECT A TOTALS			2,735.43	5,524	68,339.01	52,651	15,688.01	29.8	69,050
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		10,309.84	9,667	84,897.50	87,003	2,105.50-	2.4-	116,000
B104	FUEL - GENERATORS		.00	0	1,669.29	3,375	1,705.71-	50.5-	4,500
B112	COMMUNICATION		357.70	458	3,207.67	4,122	914.33-	22.2-	5,500
B113	EMERGENCY/SAFETY EQUIPMENT		.00	0	.00	250	250.00-	100.0-	250
B116	SUPPLIES		.00	0	389.11	270	119.11	44.1	300
B520	EQPT/EQPT REPAIR - BUTTERFIELD		2,581.57	238	2,865.58	2,142	723.58	33.8	2,857
B521	EQPT/EQPT REPAIR - CENTEX		3,755.50	206	11,065.89	1,854	9,211.89	496.9	2,477
B522	EQPT/EQPT REPAIR - COLLEGE		951.00	3,338	14,340.68	30,042	15,701.32-	52.3-	40,058
B523	EQPT/EQPT REPAIR - EARLSTON		1,759.60	442	15,915.14	3,978	11,937.14	300.1	5,302
B524	EQPT/EQPT REPAIR - HOBSON		1,466.00	1,041	14,929.01	9,369	5,560.01	59.3	12,491
B525	EQPT/EQPT REPAIR - LIBERTY PARK		1,122.77	159	3,771.31	1,431	2,340.31	163.5	1,906
B526	EQPT/EQPT REPAIR - NORTHWEST		1,846.81	454	15,504.19	4,086	11,418.19	279.5	5,446
B527	EQPT/EQPT REPAIR - VENARD		951.00	305	4,393.70	2,745	1,648.70	60.1	3,666
B528	EQPT/EQPT REPAIR - WROBLE		968.78	167	9,474.02	1,503	7,971.02	530.3	2,008
B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL		4,909.38	7,128	18,566.01	64,152	45,585.99-	71.1-	85,539
B820	BLDG AND GROUNDS - BUTTERFIELD		.00	0	1,045.92	0	1,045.92	.0	0
B821	BLDG AND GROUNDS - CENTEX		.00	0	1,184.17	0	1,184.17	.0	0
B823	BLDG AND GROUNDS - EARLSTON		.00	0	1,035.92	0	1,035.92	.0	0
B824	BLDG AND GROUNDS - HOBSON		.00	0	25,760.75	17,500	8,260.75	47.2	17,500
B825	BLDG AND GROUNDS - LIBERTY PARK		.00	0	1,307.84	0	1,307.84	.0	0
B826	BLDG AND GROUNDS - NORTHWEST		.00	0	3,501.92	0	3,501.92	.0	0

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NUMBER	DESCRIPTION	COST	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	1,061.92	0	1,061.92	.0	0
B828	BLDG AND GROUNDS - WROBLE		.00	0	1,172.92	0	1,172.92	.0	0
B829	BLDG AND GROUNDS - LIFT STATIONS GENERAL		.00	1,183	723.65	10,647	9,923.35-	93.2-	14,200
=====									
SECT B TOTALS			30,979.95	24,786	237,784.11	244,469	6,684.89-	2.7-	320,000
=====									
=====									
DEPT 15 TOTALS			33,715.38	30,310	306,123.12	297,120	9,003.12	3.0	389,050
=====									
DEPT 17 O & M EXPENSES - INSURANCE & EMPLOYEE BENEFITS									
SECT E INSURANCE AND EMPLOYEE BENEFITS									
E452	LIABILITY/PROPERTY		419.00	0	173,011.62	196,600	23,588.38-	12.0-	196,600
E455	EMPLOYEE GROUP HEALTH		42,898.88	39,958	383,411.99	359,622	23,789.99	6.6	479,500
E460	IMRF		28,776.80	30,406	256,164.45	251,674	4,490.45	1.8	330,500
E461	SOCIAL SECURITY		14,559.84	19,373	158,238.06	167,426	9,187.94-	5.5-	221,400
=====									
SECT E TOTALS			86,654.52	89,737	970,826.12	975,322	4,495.88-	.5-	1,228,000
=====									
=====									
DEPT 17 TOTALS			86,654.52	89,737	970,826.12	975,322	4,495.88-	.5-	1,228,000
=====									
FUND EXPENSE TOTAL			533,270.56	635,931	6,802,791.16	7,185,428	382,636.84-	5.3-	9,225,250
=====									
FUND 01 TOTALS			182,300.99-	100,027-	363,661.48-	21,396-	342,265.48-	1,599.7	125,100
=====									

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NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		1,483.88-	1,625-	14,587.43-	14,625-	19,500-
3010	TRUNK SEWER SERVICE CHARGES		.00	7,500-	19,985.06-	67,500-	90,000-
=====							
DEPT 05	TOTALS		1,483.88-	9,125-	34,572.49-	82,125-	109,500-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	0	.00	46,600	93,200
0515	PAYMENT ON LOAN PRINCIPAL		.00	0	46,595.52	0	0
=====							
DEPT 30	TOTALS		.00	0	46,595.52	46,600	93,200
=====							
DEPT 36	CAPITAL EXP - LIBERTY PARK LIFT STATION UPGRADE						
0500	PROJECT BUDGET		.00	0	.00	0	350,000
0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVI		.00	0	21,481.53	0	0
0506	CONSTRUCTION CONTRACTS AND PURCHASES		.00	0	129,176.87	0	0
=====							
DEPT 36	TOTALS		.00	0	150,658.40	0	350,000
=====							
DEPT 74	CAPITAL EXP - SEWER - UNSEWERED AREAS						
0500	PROJECT BUDGET		.00	0	.00	0	7,500
0501	REPORT ENGINEERING/ARCHITECTURAL		.00	0	5,649.25	0	0
=====							
DEPT 74	TOTALS		.00	0	5,649.25	0	7,500
=====							
FUND	EXPENSE TOTAL		.00	0	202,903.17	46,600	450,700
=====							
FUND 02	TOTALS		1,483.88-	9,125-	168,330.68	35,525-	341,200
=====							

## TREASURER'S REPORT

DATE 02/08/19 MONTH ENDED 01/31/19  
 FUND 03 CONSTRUCTION FUND

PAGE 8

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		.00	458-	.00	4,122-	5,500-
3009	SEWER PERMIT FEES		3,633.00-	20,833-	138,977.00-	187,497-	250,000-
3093	GRANT FUNDING		.00	0	.00	0	500,000-
=====							
DEPT 05	TOTALS		3,633.00-	21,291-	138,977.00-	191,619-	755,500-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	0	.00	14,450	28,900
0515	PAYMENT ON LOAN PRINCIPAL		.00	0	14,403.64	0	0
=====							
DEPT 30	TOTALS		.00	0	14,403.64	14,450	28,900
=====							
DEPT 31	CAPITAL EXP - WWTC - CHP BIOGAS						
=====							
DEPT 31	TOTALS		.00	0	.00	0	0
=====							
DEPT 32	CAPITAL EXP - WWTC - SECOND TURBOBLOWER						
=====							
DEPT 32	TOTALS		.00	0	.00	0	0
=====							
DEPT 33	CAPITAL EXP - WWTC - DIGESTER MIXING/GAS PIPING						
=====							
DEPT 33	TOTALS		.00	0	.00	0	0
=====							
DEPT 34	CAPITAL EXP - WWTC - GREASE WASTE DELIVERY RAMP						
=====							
DEPT 34	TOTALS		.00	0	.00	0	0
=====							
DEPT 35	CAPITAL EXP - WWTC - CHP BIOGAS PHASE 2						
=====							
DEPT 35	TOTALS		.00	0	.00	0	0
=====							
DEPT 37	CAPITAL EXP - WWTC - GREASE RECEIVING STATN NO2						
=====							
DEPT 37	TOTALS		.00	0	.00	0	0
=====							
DEPT 38	CAPITAL EXP - WWTC - PROPERTY ACQUISITION						
=====							
DEPT 38	TOTALS		.00	0	.00	0	0
=====							



TREASURER'S REPORT

DATE 02/08/19 MONTH ENDED 01/31/19 PAGE 9  
 FUND 03 CONSTRUCTION FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
DEPT 39	CAPITAL EXP - WWTC - GRIT BLOWER REPLACEMENT						
DEPT 39 TOTALS			.00	0	.00	0	0
DEPT 40	CAPITAL EXP - WWTC - LOAN REPAYMENT						
DEPT 40 TOTALS			.00	0	.00	0	0
FUND EXPENSE TOTAL			.00	0	14,403.64	14,450	28,900
FUND 03 TOTALS			3,633.00-	21,291-	124,573.36-	177,169-	726,600-

## TREASURER'S REPORT

DATE 02/08/19 MONTH ENDED 01/31/19  
 FUND 05 PUBLIC BENEFIT FUND

PAGE 10

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		35.93-	46-	318.73-	414-	550-
=====							
DEPT 05	TOTALS		35.93-	46-	318.73-	414-	550-
=====							
DEPT 59	CAPITAL EXP - SEWER - SEWER EXTENSIONS						
=====							
DEPT 59	TOTALS		.00	0	.00	0	0
=====							
DEPT 65	CAPITAL EXP - SEWER - REIMB FOR ADDED DEPTH						
=====							
DEPT 65	TOTALS		.00	0	.00	0	0
=====							
FUND	EXPENSE TOTAL		.00	0	.00	0	0
=====							
FUND 05	TOTALS		35.93-	46-	318.73-	414-	550-
=====							

TREASURER'S REPORT

DATE 02/08/19 MONTH ENDED 01/31/19 PAGE 11  
 FUND 54 SPECIAL ASSESSMENT NO. 54

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
DEPT 05	REVENUES						
DEPT 05 TOTALS			.00	0	.00	0	0
DEPT 91	SA EXPENSE						
DEPT 91 TOTALS			.00	0	.00	0	0
FUND EXPENSE TOTAL			.00	0	.00	0	0
FUND 54 TOTALS			.00	0	.00	0	0

TREASURER'S REPORT

DATE 02/08/19 MONTH ENDED 01/31/19 PAGE 12  
 FUND 55 SPECIAL ASSESSMENT NO. 55

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
DEPT 05	REVENUES						
DEPT 05 TOTALS			.00	0	.00	0	0
DEPT 91	SA EXPENSE						
DEPT 91 TOTALS			.00	0	.00	0	0
FUND EXPENSE TOTAL			.00	0	.00	0	0
FUND 55 TOTALS			.00	0	.00	0	0

TREASURER'S REPORT

DATE 02/08/19 MONTH ENDED 01/31/19  
FUND 56 SPECIAL ASSESSMENT NO. 56

PAGE 13

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3008	INTEREST ON ASSESSMENTS		.00	0	310.31-	0	0
=====							
DEPT 05	TOTALS		.00	0	310.31-	0	0
=====							
DEPT 91	SA EXPENSE						
=====							
DEPT 91	TOTALS		.00	0	.00	0	0
=====							
FUND	EXPENSE TOTAL		.00	0	.00	0	0
=====							
FUND 56	TOTALS		.00	0	310.31-	0	0
=====							

DATE 02/08/19 MONTH ENDED 01/31/19 PAGE 14

FUND 57 SPECIAL ASSESSMENT NO. 57

		ACTUAL	BUDGET			
	COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL
NUMBER	DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	BUDGET
=====						
DEPT 05	REVENUES					
=====						
DEPT 05	TOTALS	.00	0	.00	0	0
=====						
DEPT 91	SA EXPENSE					
=====						
DEPT 91	TOTALS	.00	0	.00	0	0
=====						
FUND	EXPENSE TOTAL	.00	0	.00	0	0
=====						
FUND	57 TOTALS	.00	0	.00	0	0
=====						

TREASURER'S REPORT

DATE 02/08/19 MONTH ENDED 01/31/19  
FUND 58 SPECIAL ASSESSMENT NO. 58

PAGE 15

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3008	INTEREST ON ASSESSMENTS		52.46-	0	377.35-	0	0
=====							
DEPT 05	TOTALS		52.46-	0	377.35-	0	0
=====							
DEPT 91	SA EXPENSE						
=====							
DEPT 91	TOTALS		.00	0	.00	0	0
=====							
FUND	EXPENSE TOTAL		.00	0	.00	0	0
=====							
FUND 58	TOTALS		52.46-	0	377.35-	0	0
=====							

TREASURER'S REPORT

DATE 02/08/19 MONTH ENDED 01/31/19 PAGE 16  
 FUND 71 SEWER EXTENSIONS ESCROW

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		7.13-	0	63.25-	0	0
=====							
DEPT 05	TOTALS		7.13-	0	63.25-	0	0
=====							
DEPT 92	SEWER EXPENSE						
=====							
DEPT 92	TOTALS		.00	0	.00	0	0
=====							
FUND	EXPENSE TOTAL		.00	0	.00	0	0
=====							
FUND 71	TOTALS		7.13-	0	63.25-	0	0
=====							



## **GENERAL MANAGER'S REPORT TO EMPLOYEES**

**January 18, 2019**

### **WWTC Operations Data – December**

The DMR for December indicates that the final effluent averaged 1.30 CBOD, 1.60 mg/l suspended solids and 0.31 mg/l ammonia nitrogen over a daily average flow of 12.41 MGD. There were no permit excursions in December.

### **Financial Data – December**

In December, the District received \$616,405 in the General fund, including \$248,251 in user charges, \$24,097 in surcharges and \$310,529 in monthly fees. General fund expenses totaled \$925,397. The Improvement fund had revenues of \$2,786 and expenses of \$10,673. The Construction fund had revenues of \$3,101 and expenses of \$0.

### **Sewer Permits – December**

There were 10 sewer permits issued in December – 6 single family, 1 repair, and 3 disconnections.

### **Employee Luncheon**

An employee winter luncheon is anticipated in the next few weeks.

### **TopHealth**

The February issue of TopHealth is enclosed.

### **Sewer Rehabilitation/Infiltration and Inflow Removal**

We are targeting the 1-K-028 area for private property inspections and I/I removal. We are also monitoring the area around the 1-M-049 manhole to evaluate flows in the vicinity and the recent installation of a bolt-down cover at 1-M-049. Regular flow monitoring continues.

### **Status of Projects**

#### **1) Liberty Park Lift Station Upgrades**

The new lift station is operational. Monitoring and control programming through SCADA is nearly complete.

#### **2) 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 nearly completed new pipe installation, and is working on completing restoration work. We are evaluating a sagged section of new pipe that will need to be repaired.

3) 001 Outfall Pipe Repair

Baxter & Woodman has started survey and geotechnical work to design the repairs needed for the sagged section of the outfall pipe that carries effluent flow to the East Branch of the DuPage River. BNSFRR has now issued permission to take soil borings in the vicinity, and geotechnical work has been scheduled.

## **GENERAL MANAGER'S REPORT TO EMPLOYEES**

**February 1, 2019**

### **Employee Luncheon**

An employee winter luncheon will be held in the MSB garage on Wednesday, February 13. Uncle Bub's will be catered in for employees.

### **CPR, First Aid and AED Training**

Employees will be undergoing CPR and AED Training classes this spring. The schedule and signup forms will be distributed to employees in coming weeks.

### **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 the recent installation of a bolt-down cover at 1-M-049. Regular flow monitoring continues.

### **Status of Projects**

#### **1) Liberty Park Lift Station Upgrades**

Monitoring and control programming through SCADA is now complete.

#### **2) 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 nearly completed new pipe installation, and is working on completing restoration work. We are evaluating a sagged section of new pipe that will need to be repaired.

#### **3) 001 Outfall Pipe Repair**

Baxter & Woodman has started survey and geotechnical work to design the repairs needed for the sagged section of the outfall pipe that carries effluent flow to the East Branch of the DuPage River. BNSFRR has again delayed permission to take soil borings in the vicinity. Geotechnical work will be conducted once approval is obtained from BNSFRR and weather permits.

November 19, 2018

Downers Grove Sanitary District  
Attn: Nicholas J. Menninga, P.E, General Manager  
2710 Curtiss Street  
Downers Grove, IL 60515-0703

***Subject: Downers Grove Sanitary District - Centex Pump Station Evaluation***

Dear Mr. Menninga:

**EXECUTIVE SUMMARY**

The purpose of this study was to recommend pumps to replace the existing pumps which have reached the end of their useful life and to identify other pump station improvements such as: a new generator, 3-phase power supply, a new wet well, and a new valve vault. Our evaluation included determination of the Centex Pump Station's capacity and analysis of flows to the station. The recommended improvements consist of the following:

- ) Abandon existing dry well, dry well pumps, wet well, and valve vault.
- ) Install new 10-ft diameter wet well, three submersible pumps, and valve vault.
- ) Install a new electrical control panel with VFDs for each pump.
- ) Replace existing generator and transfer switch with manual and automatic transfer switches, and diesel generator.
- ) Replace existing driveway.

We recommend a triplex submersible system with one wet well. The design consists of three submersible pumps with each pump rated for 900 gpm at 37.0 feet of total dynamic head. This matches the duty point of the existing pumps and provides pumping capacity to convey the 10-year peak wet weather flow (12 HP pumps) with two pumps running. The third pump provides redundancy and increases the time between pump starts. The pumps will be powered by three phase electricity. VFDs will convert the existing 240 volt, single phase power to three phase power. A proposed layout is shown in Exhibit C. The project will cost approximately \$1,040,000. A detailed opinion of probable cost is shown in Exhibit D.

**ORIGINAL PUMPING CONDITIONS**

The S&L prefabricated steel, duplex station was installed in the early to mid-1960's. The flooded suction type station was equipped with two identical S&L 6C3 pumps with 11 5/8-inch impellers and 1160 rpm constant speed 15 horsepower motors. The specified duty point for the pumps was 600 gpm at 50 feet of TDH. The original pump station conveyed flows through an 8-inch force main approximately 1,850 feet long and discharged to an 8-inch gravity sewer located at Fairmont Avenue and 63<sup>rd</sup> Street. Our analysis of the station with the original 8-inch force main indicates each pump had a capacity of approximately 680 gpm near the pump off elevation obtained from drawings by Wight and Co.

Our analysis of the original force main correlates reasonably well with drawdown tests conducted by the District around 1980. The earlier tests indicated that the pumps provided 650 and 675 gpm each and around 700 gpm when pumping together.

As we understand, the receiving sewers downstream of the original 8-inch force main never had adequate capacity during wet weather due to inflow and infiltration (I/I). In the 1980's, the District constructed the current 12-inch diameter PVC force main to convey the wastewater from Centex Pump Station to a 12-inch diameter sewer on 67th Street, east of Saratoga Avenue. The District also took the opportunity to address I/I issues within the Centex Pump Station basin and increased the rated capacity of the station to around 900 gpm.

### **CURRENT PUMPING CONDITIONS**

A current site layout is attached (Exhibit B). Centex Pump Station used the 12-inch force main only for dry and wet weather operations. The 8-inch force main is not used. The 12-inch diameter force main is approximately 4,000 feet long.

GAI records indicate that the District purchased new pumps for the station in November of 2008 and were provided with 11-inch trims. Our analysis of the current 12-inch diameter force main and modified pumps indicate each pump has a capacity of approximately 900 gpm near the pump off elevation. We estimated a Hazen-Williams coefficient of 120. A flow of 900 gpm provides a minimum velocity of approximately 2.75 feet per second and closer to 3 feet per second when the level rises in the wet well. Velocities in this range enable the re-suspension of settled solids in the force main.

### **FLOW DATA ANALYSIS**

Our flow analysis is based on flow data provided by the District. Dry weather flow data was from 2007, 2016, and 2017. We calculated the average dry weather influent flow to be approximately 97,500 gpd or 67 gpm. The peak dry weather 15 minute flow rate to the station occurred in October 2007 and was 242 gpm.

Wet weather data was from September 14, 2008. Based on the data for September 2008, the maximum wet weather flow was approximately 1,300,000 gallons per day with an average daily flow rate of 895 gpm. Since 895 gpm is less than the capacity of one pump (900 gpm), this indicates one pump is capable of conveying wet weather flows.

### **ALTERNATIVE**

We evaluated one design for improving the Centex Pump Station:

- ) Triplex submersible station, one wet well.

This alternative replaces the existing S&L station with a submersible pump station which greatly reduces confined-space entry during maintenance. The alternative was based on station operation in fill-draw mode with pumps at constant 100 percent speed.

VFDs provide many capabilities to modify pump operation, but are included in this alternative as a means for single to three phase power conversion. The other VFD capabilities can be considered during final design, such as soft-start, soft-stop, and reduced speed. With the VFDs, the existing 240 volt, single phase power ComEd power supply can be used without modifications.

The design consists of three submersible pumps. Each pump is rated for 900 gpm at 37.0 feet of total dynamic head for the station's firm capacity to convey the 10-year peak wet weather flow. A system head curve for the various pumping scenarios and configurations is attached (Exhibit A).

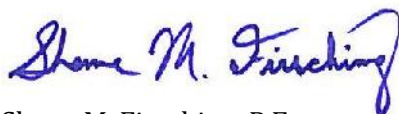
Wet well diameters of 6-feet, 8-feet, and 10-feet were evaluated. We assumed a vertical limitation of 3 feet of active storage in the wet well. A wet well diameter of 10 feet was optimal because of the longer pump cycle time and the lower number of starts per hour for the pumps. This is equivalent to 1800 gallons of active storage. A triplex system is also ideal because of the redundancy it provides. A proposed layout is attached (Exhibit B).

## **RECOMMENDATIONS**

We recommend a triplex submersible system with one 10-foot diameter wet well. Each 12 HP pump will be rated for 900 gpm at 37.0 feet of total dynamic head. The low cycle time and redundancy provided by a triplex configuration is ideal. The proposed generator will be a standby, 60 kW, 240V, 3-phase diesel generator with sound enclosure and internal critical silencer with a 24 hrs subbase fuel tank. A proposed layout is attached (Exhibit C). The total project cost is approximately \$1,040,000 including construction, engineering, legal & administrative, and contingency costs. A detailed breakdown of the project costs (Exhibit D) is attached.

Sincerely,

BAXTER & WOODMAN, INC.  
CONSULTING ENGINEERS

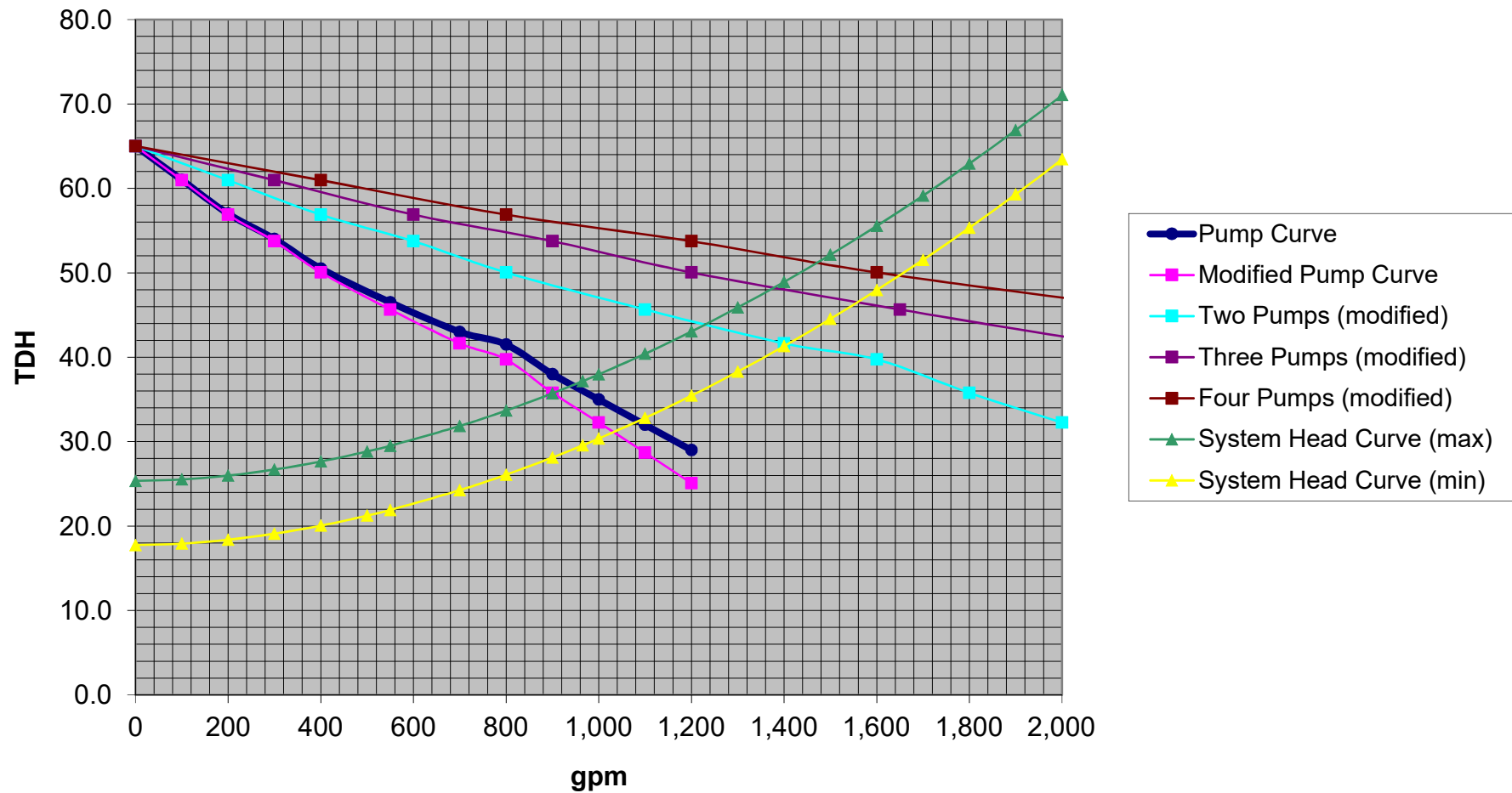


Shane M. Firsching, P.E

Enc.

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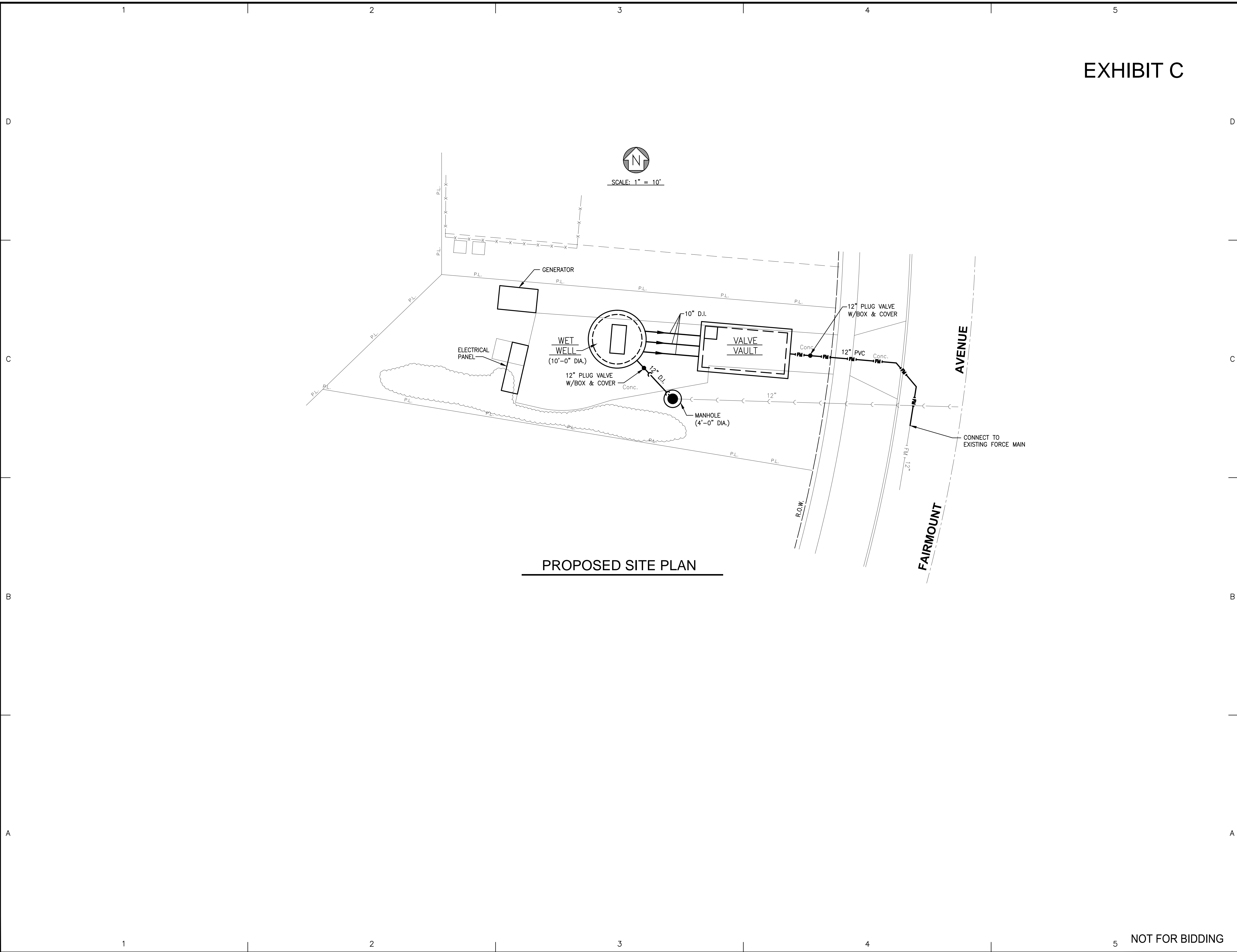
**DGSD1**  
**Centex Pump Station**  
**Flygt NP 3153 MT 3~ 436**







I:\CRYSTAL LAKE\DGSD1\181059--CENTEX PUMP STATION\CAD\DWGS\CURRENT\CENTEX PUMP STATION\SHEETS\CIVIL\C-1 PUMP STA SITE PLAN.DWG C-2 PUMP STA SITE PLAN  
Plotted: 11/19/18 By: 007SLE  
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CONSULTANTS									
MILESTONE									
PRELIMINARY DESIGN									
REVISIONS	NO.	DATE	DESCRIPTION						
* - REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWING									
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**DGSD1**  
**Centex Pump Station 181059.30**  
**Preliminary Design Opinion of Probable Cost**

<b>Item</b>		<b>Cost</b>
General Conditions		\$46,400
Demolition		\$15,700
Concrete		\$36,600
Metal Fabrications - Access Ladder		\$1,900
Access Door		\$23,300
Paint & Coating		\$9,100
Pipe & Fittings		\$31,100
Valves		\$23,500
Gauges/Meters		\$900
Excavating, Backfilling, and Compacting		\$157,900
Erosion and Sediment Control		\$4,200
Driveway		\$19,200
Lawns & Grasses		\$5,000
Force Main		\$11,400
Sanitary Sewer System		\$7,600
Submersible Sewage Pumps		\$103,200
Electrical (electrical enclosure)		\$102,000
Electrical (diesel gen)		\$55,000
		<b><u>2019 \$\$</u></b>
Subtotal		\$654,000
Instrumentation	5%	<u>\$33,000</u>
Subtotal		\$687,000
Overhead, Profit, Bonds, & Insurance	12%	<u>\$82,000</u>
<b>Centex PS Improvements</b>		<b><u>\$770,000</u></b>
Contingency	20%	<u>\$154,000</u>
<b>Construction Cost w/ Contingency</b>		<b><u>\$920,000</u></b>
Design	5%	\$46,000
Construction Services	7%	\$64,000
Legal & Administrative	1%	<u>\$9,200</u>
<b>Total Project Cost</b>		<b><u>\$1,040,000</u></b>

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Note: Prices are shown in 2019 dollar value using estimated 4.5% annual inflation.

## TECHNICAL MEMORANDUM

DATE: January 31, 2019  
TO: Downers Grove Sanitary District (DGSD)  
FROM: Derek Wold, Brent Perz, Jason Ruffatti  
SUBJECT: 190153.40 DGSD1 – WWTC WAS Thickener

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### OVERVIEW

The District is looking to provide improved thickening of the Waste Activated Sludge (WAS) prior to being wasted to the Anaerobic Digester. The existing concentrator tanks used for this purpose provide marginal thickening, impeding the performance of the anaerobic digesters. Improved thickening will reduce the heating requirement in the digesters, and is expected to improve gas production, solids destruction and stabilization, and reduce digested sludge quantities requiring further handling and disposal. The District is interested in the PW Tech Volute Thickener due to the ability to operate 24/7, compact footprint, low capital, operation and maintenance costs, and energy efficiency. Below is our planning level evaluation and preliminary costs for these improvements.

### CONCEPT

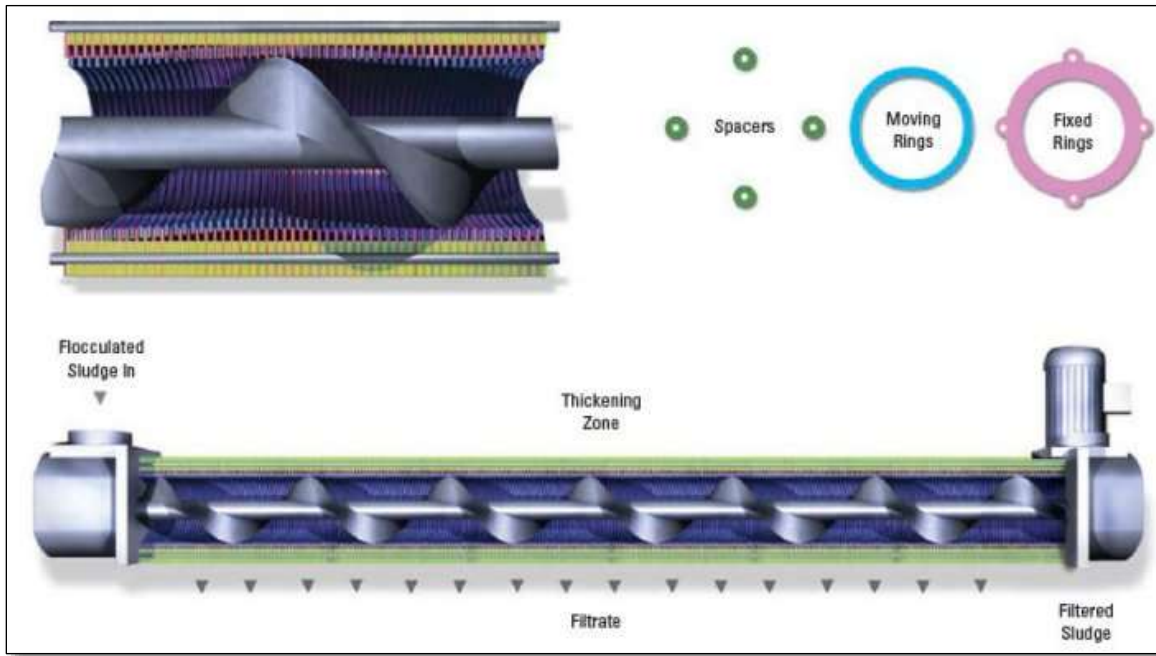
The PW Tech Volute Thickener (Figure A) design is based on a simple dewatering drum design that is virtually maintenance-free and fully automated, allowing for 24-hour unattended operation. It is designed to take dilute sludges and thicken them allowing for more cost-effective storage, dewatering, or transport. Waste sludge as dilute as 0.4% solids can be handled. The Volute Thickener can be adjusted to give a solids output in the range of 3% to 12% solids.



**Figure A.** PW Tech Volute Thickener

## PROCESS DESCRIPTION

Figure B shows a diagram of the volute thickening process. Waste sludge is dosed with a polymer as it enters a flocculation tank. The sludge is gently mixed in the tank, separating into discrete agglomerations of solids and free water, and then overflows into the thickening drums. Free water is discharged through the gaps in the thickening drum while solids are conveyed along the length of the drum and discharged at the opposite end.



**Figure B.** Volute Thickening Process

## RECOMMENDATION

It is recommended that the PW Tech Volute Thickener be placed in the basement of Anaerobic Digester 4&5 Control Building, to reduce the distance to pump thickened sludge. The recommended thickener model is the VT-202 with two thickening drums. The preferred operation would be one drum operating 24/7 with the second drum available for redundancy & maintenance flexibility. Table 1 shows three possible operating modes with the VT-202 Volute Thickener with “A” being the recommended 24/7 operation, “B” being a possible 8 hours per day operation, and “C” being a potential future operation if the existing sludge concentration tanks were to be taken offline and repurposed.

**Table 1.** Operations Summary based on average sludge flows

	<b><u>After Concentration Tanks:</u></b> WAS Flow @ 2.4% Solids		<b><u>Bypass Concentration Tanks:</u></b> RAS Flow @ 0.65% Solids
	<b>A. Continuous Operation</b> 24/7	<b>B. Intermittent Operation</b> 8 hrs/day	<b>C. Continuous Operation</b> 24/7
Flow to Digesters [gpm]	15	45	87
Recommended Thickener Model	VT-202: 2 Drums (25 gpm/drum @2.4%)	VT-202: 2 Drums (25 gpm/drum @2.4%)	VT-202: 2 Drums (45 gpm/drum @0.65%)

## COST

The capital cost for the installation of the PW Tech Volute Thickener is \$740,000 shown in Table 2. Note that this cost includes installation, electrical/instrumentation, miscellaneous construction costs, and a 20% contingency.

**Table 2. Project Cost**

<b>DGSD1</b>		
<b>Volute Thickener Project</b>		
<b>Preliminary Design Opinion of Probable Cost</b>		
		<b>2019 \$\$</b>
<b>Item</b>		<b>Preliminary Design</b>
General Conditions		\$50,000
Sitework		\$10,000
Demolition		\$20,000
Site Piping		\$11,000
<b>Equipment</b>		
PWTech VT-202 Volute Thickener		\$210,000
Progressing Cavity Pump (WAS/RAS Feed)		\$30,000
Progressing Cavity Pump (Post-Thickener)		\$18,000
Valves		<u>\$10,000</u>
Subtotal		\$390,000
Electrical	16%	\$62,000
Instrumentation	5%	<u>\$20,000</u>
Subtotal		\$472,000
Overhead, Profit, Bonds, & Insurance	12%	<u>\$57,000</u>
<b>Construction Cost</b>		<b>\$530,000</b>
Contingency	20%	<u>\$110,000</u>
<b>Construction Cost w/ Contingency</b>		<b>\$640,000</b>
Design	7%	\$45,000
Construction Services	7%	\$45,000
Legal & Administrative	1%	\$7,000
<b>Capital Cost</b>		<b>\$740,000</b>

Operation and maintenance cost is expected to include the cost of polymer, and periodic re-builds of the thickening unit to replace the plastic rings. Annual cost of operation is estimated to average \$20,000.