

DOWNERS GROVE SANITARY DISTRICT  
GENERAL MANAGER'S REPORT  
November 17, 2017

November Board Meeting

Copies of the following items are enclosed for the November 21, 2017 meeting:

- 1) Proposed Agenda
- 2) Minutes of October 17, 2017 regular meeting
- 3) Claim Ordinance 1859
- 4) Financial Auditing Services Agreement
- 5) Intergovernmental Agreement – Westmont Construction
- 6) Operations Report – Illinois EPA Permits
- 7) Annexation Ordinance AO 2017-11, 4601 Cross, Downers Grove
- 8) Annexation Ordinance AO 2017-12, 1020 Oxford, Downers Grove
- 9) Annexation Ordinance AO 2017-13, 1022 Oxford, Downers Grove
- 10) Certificate of Deposit Approvals – CIT Bank and Tristate Capital Bank

BOLI Meeting

There is no BOLI meeting scheduled his month.

Operations Reports

Copies of the following are enclosed for October 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-049 (55<sup>th</sup> and Victor, DG) vicinity to evaluate post-rehabilitation performance. We have installed a bolt-down cover on manhole 1-M-049 to reduce overflows in the vicinity.

Financial

A copy of the Investment Schedule as of October 31, 2017 is enclosed.

The Treasurer's Report for October, 2017 covering the first six months of FY 17-18 is included here, along with a summary cover memo.

Meetings

I attended the following meetings since the October 17, 2017 Board Meeting:

-October 25 attended DRSCW regular meeting in Lombard. Larry also attended.

- October 26 attended Downers Grove Village Administrators' lunch meeting in Downers Grove.
- November 1 attended DRSCW project committee meeting at DGSD. Larry also attended.
- November 1 attended meeting with Westmont public works discussing construction permits. Bob, Ted and Ernie also attended.
- November 8 attended meeting with DRSCW and Glendale Heights public works to discuss DRSCW NPDES permit conditions.
- November 10 attended IAWA regular technical meeting in Utica, IL. Clay also attended.
- November 14 hosted tour of wastewater treatment center for the Danish Consulate's Water Technology Alliance and various interested wastewater professionals.

#### Miscellaneous

I took a half day of comp time on October 20. I am planning to take vacation from November 30 to December 13.

Copies of the following items are enclosed:

- 1) General Manager's Reports to Employees dated October 27, and November 10, 2017.
- 2) Report on District operations during storm of October 14-5, 2017.
- 3) October 16, 2017 letter to IEPA reporting manhole overflows.
- 4) E-mail notification from ACEC-IL regarding Engineering Excellence Award

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

**DOWNERS GROVE SANITARY DISTRICT  
BOARD OF TRUSTEES MEETING  
NOVEMBER 21, 2017 – 7:00 PM**

**PROPOSED AGENDA**

- I. APPROVAL OF REGULAR MEETING MINUTES – OCTOBER 17, 2017
- II. APPROVAL OF CLAIM ORDINANCE NO. 1859
- III. PUBLIC COMMENT
- IV. OLD BUSINESS
- V. NEW BUSINESS
  - A. FINANCIAL AUDITING SERVICES AGREEMENT
  - B. INTERGOVERNMENTAL AGREEMENT – WESTMONT CONSTRUCTION
  - C. OPERATIONS REPORT – IEPA PERMITS
  - D. ANNEXATION ORDINANCE AO 2017-11, 4601 CROSS, DG
  - E. ANNEXATION ORDINANCE AO 2017-12, 1020 OXFORD, DG
  - F. ANNEXATION ORDINANCE AO 2017-13, 1022 OXFORD, DG
  - G. CERTIFICATE OF DEPOSIT APPROVALS
    - 1. CIT BANK
    - 2. TRISTATE CAPITAL BANK

## MINUTES

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, October 17, 2017, 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, Administrative Supervisor W. Clay Campbell, Information Coordinator Alyssa J. Caballero, Board of Local Improvements Member Kenneth J. Rathje and Attorney Michael G. Philipp.

### Minutes of Regular Meeting – September 26, 2017

A motion was made by Trustee Kovacevic seconded by Trustee Coultrap approving the minutes of the regular meeting held on September 26, 2017 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. 1858

A motion was made by Trustee Kovacevic seconded by Trustee Coultrap adopting Claim Ordinance No. 1858 in the total amount of \$803,035.16 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

General Manager Menninga reported that the vendor offering to provide solar power at the Northwest Lift Station has withdrawn their proposal.

Administrative Supervisor Campbell reported that staff has solicited a three-year proposal from Lauterbach & Amen, LLP, the District's current auditing firm, to provide similar services for the next three fiscal years.

### New Business:

#### Electric Supply Procurement for 2018

General Manager Menninga presented the results of a Request for Proposals from electric suppliers sent out on October 4 and 5. The results were utilized for selecting the District's electricity supplier starting in November 2017 through November 2018. The District received five proposals from suppliers that met the specifications. The lowest cost proposal that met our requirements was from MC Squared Services LLC with a day-ahead hourly supply cost adder (including RPS and ancillaries) of \$0.00215 per kilowatt- hour. He recommended the District accept the pricing offer from MC Squared Energy Services LLC for the supply of electricity in accordance with their proposal. A motion by Trustee Coultrap seconded by Trustee Kovacevic was made to accept the pricing offer from MC Squared Energy Services LLC for the supply of electricity for the period from November 2017 to November 2018, and to authorize the General Manager to sign the associated

electric supply agreement. The motion carried. (Votes recorded: Ayes–Van Buren, Kovacevic and Coultrap.)

### Open House Summary

Administrative Supervisor Campbell presented a summary of the 28th annual Open House held on October 7. A total of 250 people attended and 18 tours were given to 197 people.

### Operations Report – Cost of Service and Rate Design

General Manager Menninga presented an operations report reviewing the cost of service model used by staff, and resulting user rate design. The report reviewed how cost of service principles are used to determine utility rates, and how they translate into the current rate structure used by the District.

### Annexation Ordinance AO 2017-09, 1112 Palmer Street, Downers Grove

General Manager Menninga presented Annexation Ordinance No. AO 2017-09 for the annexation of one lot located at 1112 Palmer Street, Downers Grove. A motion was made by Trustee Coultrap seconded by Trustee Kovacevic accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2017-09 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Kovacevic and Coultrap.)

### Annexation Ordinance AO 2017-10, NE Cornet Hobson and 63<sup>rd</sup>, Woodridge

General Manager Menninga presented Annexation Ordinance No. AO 2017-10 for the annexation of one 8.6 gross acre parcel located at NE Cornet Hobson and 63rd, Woodridge. A motion was made by Trustee Kovacevic seconded by Trustee Coultrap accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2017-10 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Kovacevic and Coultrap.)

### Other New Business

Trustee Kovacevic thanked staff for their wet weather operations during the weekend of Oct. 14 and 15. She also congratulated staff on their hard work for the District’s annual Open House event. She congratulated Adam Cioni on his 10-year anniversary with the District.

Trustee Coultrap expressed his appreciation to General Manager Menninga for his tour of the wastewater treatment center. He also thanked staff for their hard work for the District’s annual Open House event, their wet weather operations during the weekend of Oct. 14 and 15, and for using Nextdoor as a social media tool.

Trustee Van Buren congratulated staff on their hard work for the District’s annual Open House event. He also thanked staff for their wet weather operations during the weekend of Oct. 14 and 15. Trustee Van Buren inquired about the Wroble Lift Station force main repair noted in Maintenance Supervisor Barta’s report, sewer televising numbers noted in Sewer System Maintenance Supervisor Swirsky’s report and the flu shot offered to employees in October.

A motion was made by Trustee Coultrap seconded by Trustee Kovacevic to adjourn the regular meeting at 7:48 p.m. The motion carried.

Approved: November 21, 2017

\_\_\_\_\_  
President

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

Downers Grove, Illinois

Date: November 21, 2017

Claim Ordinance No. 1859

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 **\$679,452.46** being in words and figures as follows:

## GENERAL LEDGER RECAP

DATE 10/17/17

PERIOD END 10/15/17

PAGE 4

Payroll Ending Date: 10/15/17

Payroll Paid Date: 10/18/17

GL Date: 11/30/17

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		19392.53-
01-00.2000	FEDERAL TAX WITHHELD		3748.01-
01-00.2001	STATE TAX WITHHELD		1385.04-
01-00.2002	SOCIAL SECURITY WITHHELD		2001.18-
01-00.2003	IMRF WITHHELD		1428.34-
01-00.2013	CREDIT UNION WITHHELD		750.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1524.22-
01-00.2020	DEFERRED COMPENSATION WITHHELD		1335.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		307.73-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		173.34-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		69.33-
01-11.A003	GENERAL MANAGEMENT	6121.53	
01-11.A004	FINANCIAL RECORDS	315.50	
01-11.A007	CODE ENFORCEMENT	8832.33	
01-11.A008	SAFETY ACTIVITIES	10.86	
01-12.A009	OPERATIONS MANAGEMENT	4083.66	
01-12.A011	MAINTENANCE - WWTC	4368.48	
01-12.A014	MAINTENANCE - ELECTRICAL	73.45	
01-12.A021	WWTC - OPERATIONS	3001.32	
01-12.A023	WWTC - ENERGY RECOVERY	395.24	
01-12.A030	BUILDING AND GROUNDS	1295.29	
01-13.A009	OPERATIONS MANAGEMENT	2027.73	
01-13.A041	LAB - WWTC	1128.59	
01-13.A048	LAB - ENERGY RECOVERY	363.47	
01-15.A080	LIFT STATION MAINTENANCE	97.27	
		32114.72	32114.72-

## GENERAL LEDGER RECAP

DATE 10/25/17

PERIOD END 10/21/17

PAGE 6

Payroll Ending Date: 10/21/17

Payroll Paid Date: 10/27/17

GL Date: 11/30/17

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		50038.43-
01-00.2000	FEDERAL TAX WITHHELD		11784.15-
01-00.2001	STATE TAX WITHHELD		3749.31-
01-00.2002	SOCIAL SECURITY WITHHELD		6055.82-
01-00.2003	IMRF WITHHELD		3543.03-
01-00.2012	WAGE DEDUCTION ORDER		627.23-
01-00.2013	CREDIT UNION WITHHELD		1621.31-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1420.97-
01-00.2020	DEFERRED COMPENSATION WITHHELD		166.11-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		508.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		492.00-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		154.00-
01-11.A003	GENERAL MANAGEMENT	784.47	
01-11.A004	FINANCIAL RECORDS	7093.25	
01-11.A005	ADMINISTRATIVE RECORDS	1298.47	
01-11.A007	CODE ENFORCEMENT	4495.99	
01-12.A011	MAINTENANCE - WWTC	9310.39	
01-12.A012	MAINTENANCE - VEHICLES	166.70	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	1153.81	
01-12.A014	MAINTENANCE - ELECTRICAL	3427.95	
01-12.A021	WWTC - OPERATIONS	14271.17	
01-12.A022	WWTC - SLUDGE HANDLING	7027.91	
01-12.A023	WWTC - ENERGY RECOVERY	97.26	
01-12.A030	BUILDING AND GROUNDS	1290.61	
01-13.A041	LAB - WWTC	4350.80	
01-13.A048	LAB - ENERGY RECOVERY	93.21	
01-14.A051	SEWER MAINTENANCE	6121.50	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	3152.11	
01-14.A061	INSPECTION - NEW CONSTRUCTION	181.26	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	3403.43	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	1006.20	
01-14.A064	INSPECTION - MISCELLANEOUS	2636.31	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	2613.72	
01-14.A066	INSPECTION - CODE ENFORCEMENT	750.00	
01-14.A072	SEWER INVESTIGATIONS	234.88	
01-15.A080	LIFT STATION MAINTENANCE	5198.96	
		80160.36	80160.36-

## GENERAL LEDGER RECAP

DATE 11/01/17

PERIOD END 10/31/17

PAGE 4

Payroll Ending Date: 10/31/17

Payroll Paid Date: 11/2/17

GL Date: 11/30/17

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		22253.01-
01-00.2000	FEDERAL TAX WITHHELD		3637.88-
01-00.2001	STATE TAX WITHHELD		1516.23-
01-00.2002	SOCIAL SECURITY WITHHELD		2232.72-
01-00.2003	IMRF WITHHELD		1362.56-
01-00.2013	CREDIT UNION WITHHELD		750.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1422.86-
01-00.2017	VOLUNTARY GROUP LIFE		80.00-
01-00.2020	DEFERRED COMPENSATION WITHHELD		1335.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		307.73-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		173.34-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		69.33-
01-11.A001	TRUSTEES	4500.00	
01-11.A003	GENERAL MANAGEMENT	8046.28	
01-11.A004	FINANCIAL RECORDS	296.81	
01-11.A005	ADMINISTRATIVE RECORDS	173.83	
01-11.A007	CODE ENFORCEMENT	8728.04	
01-11.A008	SAFETY ACTIVITIES	122.98	
01-12.A009	OPERATIONS MANAGEMENT	4046.20	
01-12.A011	MAINTENANCE - WWTC	2733.01	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	201.49	
01-12.A014	MAINTENANCE - ELECTRICAL	134.49	
01-12.A021	WWTC - OPERATIONS	1141.03	
01-12.A023	WWTC - ENERGY RECOVERY	457.63	
01-12.A030	BUILDING AND GROUNDS	67.00	
01-13.A009	OPERATIONS MANAGEMENT	1728.42	
01-13.A041	LAB - WWTC	931.63	
01-13.A042	LAB - PRETREATMENT	358.19	
01-13.A045	LAB - SOLIDS	107.62	
01-13.A046	LAB - AMMONIA	107.62	
01-13.A048	LAB - ENERGY RECOVERY	286.31	
01-14.A051	SEWER MAINTENANCE	69.93	
01-15.A009	OPERATIONS MANAGEMENT	139.87	
01-15.A080	LIFT STATION MAINTENANCE	762.28	
		35140.66	35140.66-

## GENERAL LEDGER RECAP

DATE 11/08/17

PERIOD END 11/04/17

PAGE 6

Payroll Ending Date: 11/4/17

Payroll Paid Date: 11/10/17

GL Date: 11/30/17

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		46849.33-
01-00.2000	FEDERAL TAX WITHHELD		10094.96-
01-00.2001	STATE TAX WITHHELD		3476.74-
01-00.2002	SOCIAL SECURITY WITHHELD		5612.01-
01-00.2003	IMRF WITHHELD		3246.78-
01-00.2012	WAGE DEDUCTION ORDER		627.23-
01-00.2013	CREDIT UNION WITHHELD		1621.31-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1285.45-
01-00.2017	VOLUNTARY GROUP LIFE		224.00-
01-00.2020	DEFERRED COMPENSATION WITHHELD		167.68-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		508.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		492.00-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		154.00-
01-11.A003	GENERAL MANAGEMENT	1479.29	
01-11.A004	FINANCIAL RECORDS	7036.83	
01-11.A005	ADMINISTRATIVE RECORDS	1551.13	
01-11.A007	CODE ENFORCEMENT	4184.35	
01-12.A011	MAINTENANCE - WWTC	11948.79	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	329.32	
01-12.A014	MAINTENANCE - ELECTRICAL	2547.96	
01-12.A021	WWTC - OPERATIONS	12467.02	
01-12.A022	WWTC - SLUDGE HANDLING	3775.96	
01-12.A023	WWTC - ENERGY RECOVERY	253.07	
01-12.A030	BUILDING AND GROUNDS	1780.37	
01-13.A041	LAB - WWTC	4339.75	
01-13.A042	LAB - PRETREATMENT	39.95	
01-13.A048	LAB - ENERGY RECOVERY	232.26	
01-14.A051	SEWER MAINTENANCE	5461.64	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	532.83	
01-14.A061	INSPECTION - NEW CONSTRUCTION	60.42	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1712.03	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	693.84	
01-14.A064	INSPECTION - MISCELLANEOUS	4184.89	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	3349.51	
01-14.A066	INSPECTION - CODE ENFORCEMENT	452.29	
01-14.A072	SEWER INVESTIGATIONS	822.71	
01-15.A030	BUILDING AND GROUNDS	26.39	
01-15.A080	LIFT STATION MAINTENANCE	5096.89	
		74359.49	74359.49-

## GENERAL LEDGER RECAP

DATE 11/16/17

PERIOD END 11/15/17

PAGE 4

Payroll Ending Date: 11/15/17

Payroll Paid Date: 11/17/17

GL Date: 11/30/17

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		18640.90-
01-00.2000	FEDERAL TAX WITHHELD		3373.79-
01-00.2001	STATE TAX WITHHELD		1316.38-
01-00.2002	SOCIAL SECURITY WITHHELD		1889.59-
01-00.2003	IMRF WITHHELD		1362.98-
01-00.2013	CREDIT UNION WITHHELD		750.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1421.63-
01-00.2020	DEFERRED COMPENSATION WITHHELD		1335.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		307.73-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		173.34-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		69.33-
01-11.A003	GENERAL MANAGEMENT	8166.48	
01-11.A004	FINANCIAL RECORDS	139.06	
01-11.A007	CODE ENFORCEMENT	8697.62	
01-12.A009	OPERATIONS MANAGEMENT	4857.74	
01-12.A011	MAINTENANCE - WWTC	3034.75	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	95.78	
01-12.A014	MAINTENANCE - ELECTRICAL	334.49	
01-12.A021	WWTC - OPERATIONS	563.87	
01-12.A023	WWTC - ENERGY RECOVERY	144.85	
01-12.A030	BUILDING AND GROUNDS	119.60	
01-13.A009	OPERATIONS MANAGEMENT	1829.14	
01-13.A041	LAB - WWTC	296.46	
01-13.A042	LAB - PRETREATMENT	1557.70	
01-13.A048	LAB - ENERGY RECOVERY	267.22	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	234.44	
01-15.A009	OPERATIONS MANAGEMENT	158.54	
01-15.A080	LIFT STATION MAINTENANCE	142.93	
		30640.67	30640.67-

01 GENERAL FUND STANDARD CHECK REGISTER FOR 11/21/17

Date: 11/17/17  
Time: 2:30pm

***** VENDOR *****			***** INVOICE *****					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
AT & T MOBILITY	A000085	11/03/17	831873915	01-15.B112	LS Cell Dialer	51.40	51.40	060211
ADVANCED DISPOSAL	A000153	10/31/17	80002160494	01-12.B102	Garbage/Recycle Service	245.21	245.21	060212
ALEXANDER CHEMICAL CORPORATION	A000200	10/26/17	SLS10065160	01-12.B401	Hypochlorite Solution	3233.00		
		11/07/17	SLS10065653	01-12.B401	Hypochlorite Solution	2878.09	6111.09	100131
ALLIED WASTE SERVICE	A000255	10/31/17	013813169	01-12.B102	Grit Scrn PU Dmpstr Rent	2246.00		
		10/15/17	551013798138	01-12.B102	Dumpster Rental	81.00	2327.00	060213
SYNCHB/AMAZON	A000295	10/30/17	BPTGGIAWzght	01-12.B116	Credit-Juice Open House	54.94-		
		10/12/17	BbSWeQdrmkTt	01-12.B507	MSB Waste Oil Tank Funnel	110.00		
		10/31/17	BmhuxjhEFUNx	01-12.B116	Credit-Juice Open House	22.88-		
		11/13/17	BzQsSTcXPdes	01-12.B513	Grease for Unison Skid	28.02		
		10/28/17	CIRljIAIlcCj	01-12.B116	Credit-Juice Open House	22.88-		
		11/08/17	COGXuTVwSino	01-14.B116	Phone Case	18.08		
		11/07/17	CQamGeKEXijg	01-12.B507	ABS 1&2 Battery	97.89		
		10/27/17	CVZMoSpccMYO	01-11.B116	Calendar/Planner	18.19		
		10/27/17	CVZMoSpccMYO	01-14.B116	Calendar/Planner	58.47		
		09/30/17	CanktLiEkReZ	01-12.B116	Open House Juice	215.60		
		10/20/17	CcLWLDultWSn	01-14.B115	SS Vehicle Cell Chargers	62.00		
		11/01/17	CkyraXCvZCBy	01-14.B115	Phone Case	8.99		
		11/03/17	CuOgNZQDvKmY	01-12.B113	SDS Binders & Mounts	75.98		
		10/27/17	ONlglFOfrkB1	01-12.B116	Credit-Juice Open House	54.94-		
		11/01/17	RemHYDwbewzp	01-12.B116	Salt Scoops for Plant	60.26		
		11/01/17	aJLATkaWxaub	01-12.B116	Credit-Juice Open House	29.98-		
		11/01/17	iQAXqnGeUnSp	01-12.B117	Outerwear Sam T	54.97		
		10/29/17	mKFYSEhMfNpo	01-12.B116	Credit-Juice Open House	29.98-		
		11/03/17	sizELMNdYNyn	01-11.B118	Office Chair - CS	179.99	772.84	060214
ASSOCIATED TECHNICAL SERVICES	A000490	10/16/17	29259	01-15.B528	Locate Service at Wroble	742.00	742.00	060215
ATLAS BOBCAT, INC.	A000520	10/25/17	BD8857	01-12.B501	Bob Cat Parts	59.48		
		10/21/17	BR2828	01-12.B501	Bobcat Parts	60.19	119.67	100132
AUTOZONE - AZ COMMERCIAL	A000600	10/20/17	2576776987	01-14.C225	Keith Van Part	4.85		
		10/26/17	2576783107	01-12.B812	Outdoor Lighting	22.88		
		10/26/17	2576783111	01-12.B116	Vehicle Supplies	9.74		
		10/30/17	2576786688	01-12.B813	Outdoor Lighting - Return	15.99-		
		10/06/17	2576793264	01-12.B501	Dump Truck Part	3.46	24.94	060216
BAXTER & WOODMAN, INC.	B000120	10/20/17	0195485	01-14.B124	Flow Monitoring	1302.82		
		10/20/17	0195486	01-11.B124	Sewer Modeling Hobson	8070.80		
		10/20/17	0195491	01-14.B903	Walnut Ave TS Rehab	1012.50	10386.12	100133
BLACKSTONE LABORATORIES	B000253	10/31/17	99968	01-12.B513	CHP Oil Sample	53.00	53.00	060217
CDW GOVERNMENT, INC.	C000020	10/12/17	KLV2222	01-15.B529	LS UPS Batteries	931.23	931.23	100134
CALLONE	C000073	11/15/17	1139811	01-11.B112	Admin Phone Service	474.52		
		11/15/17	1139811	01-12.B112	WWTC Phone Service	290.64	765.16	060218
CHEM-WISE ECOLOGICAL	C000190	10/23/17	457249	01-11.B118	Tri-Annual Pest Control	95.00		
		10/23/17	457249	01-12.B812	Tri-Annual Pest Control	190.00	285.00	060219
CHICAGO METROPOLITAN FIRE	C000240	10/10/17	00168734	01-12.B112	Radio Use/Maintenance	60.00	60.00	060220
CINTAS #344	C000300	10/20/17	344643932	01-12.B117	WWTC Uniform Rental	35.34		
		10/20/17	344643932	01-14.B117	SS Uniform Rental	14.32		
		10/27/17	344647309	01-12.B117	WWTC Uniform Rental	35.34		
		10/27/17	344647309	01-14.B117	SS Uniform Rental	14.32		
		11/03/17	344650791	01-12.B117	WWTC Uniform Rental	35.34		
		11/03/17	344650791	01-14.B117	SS Uniform Rental	14.32		
		11/10/17	344654161	01-12.B117	WWTC Uniform Rental	35.34		
		11/10/17	344654161	01-14.B117	SS Uniform Rental	14.32		

01 GENERAL FUND STANDARD CHECK REGISTER FOR 11/21/17

Date: 11/17/17  
Time: 2:30pm

***** VENDOR *****			***** INVOICE *****					
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CINTAS FIRST AID & SAFETY	C000320	11/17/17	344657604	01-12.B117	WWTC Uniform Rentals	35.34		
		11/17/17	344657604	01-14.B117	SS Uniform Rentals	15.41	249.39	060221
		10/27/17	5009205939	01-11.B116	First Aid Supplies	59.41		
		10/27/17	5009205939	01-12.B113	First Aid Supplies	156.01		
		10/31/17	9018794408	01-11.B117	Admin Haz Com Training	44.07		
		10/31/17	9018794408	01-12.B117	WWTC Haz Com Training	705.23		
		10/31/17	9018794408	01-13.B117	Lab Haz Com Training	88.14		
ALLAN J. COLEMAN CO.	C000340	10/31/17	9018794408	01-14.B117	SS Haz Com Training	352.56	1405.42	060222
		10/19/17	201868	01-14.B115	SS Locator	1015.11		
		10/20/17	201912	01-14.B115	SS Camera Repair/Parts	820.52	1835.63	060223
COMCAST	C000373	11/03/17	1200550568	01-11.B112	Internet Service	140.35	140.35	060287
COMED	C000380	10/11/17	0055025057	01-15.B100	College LS Elec	173.36		
		11/14/17	0055025057-1	01-15.B100	College LS Elec	428.61		
		10/11/17	0068029014	01-15.B100	Centex LS Elec	42.08		
		11/09/17	0068029014-1	01-15.B100	Centex LS Elec	99.45		
		10/11/17	0120089072	01-15.B100	Wroble LS Elec	453.30		
		11/13/17	0120089072-1	01-15.B100	Wroble LS Elec	893.72		
		10/11/17	0458029046	01-15.B100	Liberty Park LS Elec	74.12		
		11/10/17	0458029046-1	01-15.B100	Liberty Park LS Elec	293.23		
		10/18/17	0562080004	01-15.B100	Venard LS Electric	181.29		
		10/11/17	1095091170	01-15.B100	Northwest LS Elec	164.85		
		11/14/17	1095091170-1	01-15.B100	North West LS Elec	991.61		
		10/26/17	1108062005	01-11.B100	Admin Elec	177.63		
		10/26/17	1108062005	01-12.B100	WWTC Elec	4781.55		
		10/11/17	1810068039	01-15.B100	Earlston LS Elec	16.71		
		11/10/17	1810068039-1	01-15.B100	Earlston LS Elec	243.38		
		10/11/17	3240038012	01-15.B100	Butterfield LS Elec	73.88		
		11/09/17	3240038012-1	01-15.B100	Butterfield LS Elec	124.42		
		10/11/17	4657083017	01-15.B100	Hobson LS Elec	246.23		
		11/14/17	4657083017-1	01-15.B100	Hobson LS Elec	2056.12		
		10/20/17	6770572011	01-12.B100	Walnut House Electric	86.76		
		10/20/17	8762083052	01-12.B100	Big Top Electric	33.80	11636.10	060224
COMPBENEFITS	C000400	10/24/17	044386851	01-17.E455	Dental Insurance	2305.90	2305.90	060225
CONCENTRIC INTEGRATION, LLC	C000410	10/20/17	0195489	01-11.B115	Symantec Endpoint Prot	48.26		
		11/03/17	0195765	01-11.B115	Firewall Replacement	7242.97	7291.23	100135
G COOPER OIL COMPANY INC.	C000470	10/27/17	28760	01-12.B116	R&O/Valvoline Oil	826.82		
		11/08/17	742622	01-12.B104	Diesel	6884.71	7711.53	060226
CORE & MAIN LP	C000485	10/17/17	H967260	01-15.B528	Stock Clamp Wroble FM	732.00		
		10/17/17	H967343	01-15.B528	Wroble Force Main Clamp	690.00		
		11/03/17	I044226	01-14.B113	SS Cleanouts	1164.00	2586.00	060227
JOHN CRANE INC.	C000560	11/09/17	3424567	01-12.B510	Dig 4&5 Sludge Circ Part	313.99	313.99	060228
CURTIS MARTIN GROUP, INC.	C000660	10/23/17	6114	01-11.B115	Fix PR & AP Issues	550.00		
		10/28/17	6123	01-11.B115	PR Programming Def Comp	360.00		
		11/11/17	6152	01-11.B115	Encryption Keys	120.00	1030.00	100136
DELTA INDUSTRIES, INC.	D000210	10/31/17	139576	01-12.B513	WWTC ODS Air Compress	1064.10	1064.10	060288
DELTA SONIC	D000220	09/29/17	9317498	01-12.C225	Plant Vehicle Washes	72.00		
		09/29/17	9317498	01-14.C225	SS Vehicle Washes	15.00		
		10/27/17	9351299	01-12.C225	WWTC Vehicle Wash	7.50		
		10/27/17	9351299	01-14.C225	SS Vehicle Wash	7.50	102.00	060229
		11/16/17	Reimburse	01-00.1001	Payroll Acct Reimburse	157174.20	157174.20	060230
D.G. SANIT DIST #XXXXXXXXX1117	D000400	11/16/17	Reimburse	01-00.1001	Payroll Acct Reimburse	157174.20	157174.20	060230
D.G. SANIT DIST #XXXXXXXXX1114	D000420	10/30/17	User Refunds	01-05.3001	User Refunds	731.55	731.55	060231

01 GENERAL FUND STANDARD CHECK REGISTER FOR 11/21/17

Date: 11/17/17  
Time: 2:30pm

***** VENDOR *****			***** INVOICE *****					
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D.G. SANIT DIST #XXXXXXXXX1112	D000440	11/16/17	Reimburse	01-11.B117	WCC & NJM Tech Meeting	100.00		
		11/16/17	Reimburse	01-12.B812	Concrete for Grease Stn	268.00		
		11/16/17	Reimburse	01-13.B117	DRB Seminar	60.00		
		11/16/17	Reimburse	01-14.B910	BSSRP Rodding Refunds	924.44	1352.44	060232
VILLAGE OF DOWNERS GROVE	D000480	11/01/17	132748	01-11.C222	Admin Vehicle Fuel	61.78		
		11/01/17	132748	01-12.B104	Compressor Fuel	13.36		
		11/01/17	132748	01-12.B812	Gas Can Fuel	117.62		
		11/01/17	132748	01-12.C222	WWTC Vehicle Fuel	1495.79		
		11/01/17	132748	01-13.C222	Lab Vehicle Fuel	19.27		
		11/01/17	132748	01-14.C222	SS Vehicle Fuel	1302.67		
		11/15/17	132805	01-11.B121	Meter Readings	398.71		
		11/08/17	29861	01-12.B104	Storage	185.00		
		10/31/17	C2027270001	01-12.B102	WWTC Water Usage	884.64		
		10/31/17	C2027271001	01-11.B102	Admin Water Usage	302.30	4781.14	060233
DRYDON EQUIPMENT INC.	D000540	11/08/17	46717	01-15.B522	College Pump 3 Parts	697.01	697.01	060234
DUPAGE COUNTY RECORDER	D000620	10/12/17	201710120254	01-11.B124	Ted Docs	302.00		
		10/12/17	201710120254	01-14.B901	I/I Docs	60.00		
		10/12/17	201710120254	01-14.B910	BSSRAP Docs	904.00	1266.00	060235
DYNEGY ENERGY SERVICES	D000800	11/16/17	0055025057	01-15.B100	College LS Elec	515.76		
		11/13/17	0068029014	01-15.B100	Centex LS Elec	82.41		
		11/15/17	0120089072	01-15.B100	Wroble LS Elec	929.32		
		11/16/17	1095091170	01-15.B100	Northwest LS Elec	1429.95		
		11/14/17	1810068039	01-15.B100	Earlston LS Elec	229.02		
		11/13/17	3240038012	01-15.B100	Butterfield LS Elec	168.03		
		11/16/17	4657083017	01-15.B100	Hobson LS Elec	2499.75		
		10/30/17	Various	01-15.B100	LS Electricity	4147.98	10002.22	100137
EJ EQUIPMENT, INC.	E000030	10/13/17	W00723	01-14.B115	Vac-Con Repairs	290.07	290.07	060236
ECLIPSE INC.	E000070	10/31/17	10I0358796	01-12.B510	Dig 3 Gas Booster Motor	1726.12	1726.12	100138
EDWARD HOSPITAL	E000080	10/31/17	00056312-00	01-11.B117	Admin Flu Shot	100.00		
		10/31/17	00056312-00	01-12.B117	WWTC Flu Shot	200.00		
		10/31/17	00056312-00	01-14.B117	SS Flu Shot	75.00	375.00	060237
EYE MED VISION CARE	E000600	11/01/17	163309506	01-17.E455	Vision Insurance	414.68	414.68	060238
FASTENAL COMPANY	F000060	11/06/17	ILWES56079	01-12.B509	Belt Press Parts	6.28		
		11/07/17	ILWES56125	01-12.B512	Tapcon Drill Bits	26.72		
		11/09/17	ILWES56164	01-12.B509	Belt Press Parts	77.50		
		11/10/17	ILWES56176	01-12.B116	Maintenance Supplies	1.47	111.97	060239
FEDEX KINKO'S	F000075	11/10/17	361300019862	01-13.B116	Lab Supplies	10.98	10.98	060289
FEECE OIL CO.	F000085	10/11/17	1697906	01-12.C225	Exhaust Fluid	60.50		
		10/11/17	1697906	01-14.C225	Exhaust Fluid	60.50	121.00	060240
FIRST ENVIRONMENTAL LAB	F000140	10/25/17	137435	01-13.B123	Sulfate Sampling	50.40		
		10/25/17	137436	01-13.B123	Sulfate Sampling	25.20		
		11/15/17	137833	01-13.B123	Biosolids Sample	229.20	304.80	100139
GASVODA & ASSOCIATES INC.	G000200	10/30/17	1702152	01-15.B524	Hobson Pump 2 Part	3014.22		
		11/03/17	1702185	01-12.B507	Aeration Tank Part	456.05	3470.27	060241
GEE HEATING AND AIR	G000250	10/19/17	7335	01-15.B824	Hobson LS AC Replace	2000.00	2000.00	060242
GEORGE'S LANDSCAPING	G000260	10/30/17	Mowing	01-11.B118	Admin Center Mowing	376.00		
		10/30/17	Mowing	01-12.B812	WWTC Mowing	2320.00		
		10/30/17	Mowing	01-15.B820	Butterfield LS Mowing	120.00		
		10/30/17	Mowing	01-15.B821	Centex LS Mowing	120.00		
		10/30/17	Mowing	01-15.B823	Earlston LS Mowing	120.00		
		10/30/17	Mowing	01-15.B824	Hobson LS Mowing	120.00		

01 GENERAL FUND STANDARD CHECK REGISTER FOR 11/21/17

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Time: 2:30pm

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		10/30/17	Mowing	01-15.B825	Liberty Park LS Mowing	120.00		
		10/30/17	Mowing	01-15.B826	North West LS Mowing	120.00		
		10/30/17	Mowing	01-15.B827	Venard LS Mowing	120.00		
		10/30/17	Mowing	01-15.B828	Wroble LS Mowing	120.00		
		10/30/17	Mowing	01-15.B829	LS Trimming	120.00	3776.00	100140
GERRENTEED PLUMBING	G000325	10/27/17	058-126491	01-14.B910	Repair Sewer Line	348.00	348.00	060290
REVERE ELECTRIC	G000410	10/18/17	S3410852.001	01-12.B813	Outside Lighting	18.67		
		11/02/17	S3420319.001	01-12.B813	Outside Lighting Proj	78.14	96.81	060243
W. W. GRAINGER, INC.	G000520	10/12/17	9581834174	01-12.B116	See Sheet	68.04		
		10/12/17	9582971009	01-12.B512	See Sheet	200.65		
		10/12/17	9582971017	01-12.B512	See Sheet	200.65		
		10/16/17	9586171069	01-12.B805	See Sheet	702.43		
		10/16/17	9586171077	01-12.B116	See Sheet	92.98		
		10/17/17	9587596587	01-12.B813	See Sheet	2.46		
		10/18/17	9588032848	01-12.B813	See Sheet	230.82		
		10/18/17	9588032855	01-13.B114	See Sheet	119.00		
		10/18/17	9588032855	01-13.B116	See Sheet	131.16		
		10/18/17	9589105486	01-12.B811	See Sheet	89.62		
		10/20/17	9590714268	01-13.B116	See Sheet	16.55		
		10/25/17	9591682399	01-12.B512	See Sheet	200.65-		
		10/23/17	9593600464	01-12.B813	See Sheet	2432.16		
		10/24/17	9593879340	01-14.B117	See Sheet	59.14		
		10/25/17	9595755647	01-12.B512	See Sheet	136.53		
		10/25/17	9595755654	01-12.B510	See Sheet	19.88		
		10/26/17	9596496126	01-12.B512	See Sheet	224.33		
		10/26/17	9596496134	01-12.B512	See Sheet	224.33		
		10/27/17	9598222272	01-12.B512	See Sheet	224.33-		
		10/27/17	9598539972	01-12.B813	See Sheet	107.10		
		10/31/17	9601793681	01-12.B512	See Sheet	8.02		
		11/02/17	9604419466	01-12.B813	See Sheet	46.98		
		11/02/17	9604419474	01-12.B512	See Sheet	311.47		
		12/03/17	9605147744	01-12.B116	See Sheet	160.00		
		11/03/17	9605862334	01-11.B118	See Sheet	45.09		
		11/03/17	9605862342	01-12.B813	See Sheet	240.40		
		11/08/17	9609778114	01-12.B116	See Sheet	21.19		
		11/08/17	9610293350	01-12.B812	See Sheet	72.32		
		11/09/17	9611264913	01-12.B513	See Sheet	367.99		
		11/09/17	9611532483	01-12.B512	See Sheet	98.34		
		11/09/17	9611532491	01-12.B513	See Sheet	777.04		
		11/09/17	9612065657	01-12.B812	See Sheet	80.32		
		11/09/17	9612065665	01-12.B812	See Sheet	320.20		
		11/10/17	9613168534	01-12.B513	See Sheet	27.42		
		11/13/17	9613972299	01-12.B513	See Sheet	109.44		
		11/15/17	9616829231	01-12.B508	See Sheet	36.21	7355.28	100141
HML, INC.	H000035	10/17/17	57444	01-13.B123	Sept Biosolid Sampling	1000.00	1000.00	060244
H-O-H WATER TECHNOLOGY	H000037	10/27/17	517742	01-12.B513	CHP Heat Recovery	1174.06	1174.06	060245
3500 LACEY ROAD LLC	H000055	10/31/17	Refund	01-05.3001	Refund on Acct	5432.96	5432.96	060246
HOME DEPOT	H000400	10/10/17	0021415	01-12.B116	See Sheet	14.94		
		10/30/17	0102694	01-12.B113	See Sheet	21.96		
		10/18/17	2080093	01-14.B116	See Sheet	15.36		
		11/07/17	2581164	01-14.B115	See Sheet	19.60		

01 GENERAL FUND STANDARD CHECK REGISTER FOR 11/21/17

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Time: 2:30pm

***** VENDOR *****			***** INVOICE *****					
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		11/06/17	3024247	01-12.B501	See Sheet	26.82		
		11/15/17	4084671	01-12.B513	See Sheet	22.57		
		10/25/17	5011943	01-12.B510	See Sheet	40.19		
		10/25/17	5161343	01-13.B115	See Sheet	84.08-		
		11/03/17	6021291	01-14.B116	See Sheet	66.67		
		10/23/17	7011840	01-15.B116	See Sheet	62.67		
		10/13/17	7021602	01-13.B115	See Sheet	136.61		
		11/02/17	7023763	01-12.B812	See Sheet	153.20		
		10/13/17	7062032	01-13.B115	See Sheet	109.46		
		10/23/17	7072313	01-13.B116	See Sheet	48.88		
		10/13/17	7563630	01-14.B910	See Sheet	21.88		
		10/31/17	9012258	01-12.B510	See Sheet	25.94		
		11/10/17	9024567	01-12.B513	See Sheet	45.93	748.60	060247
ILLINOIS PUBLIC RISK FUND	I000350	10/13/17	41507	01-17.E452	Workers Comp Insurance	9070.00	9070.00	100142
INFOSEND, INC.	I000415	10/31/17	127711	01-11.B121	Customer Bill Mail Fees	3879.13	3879.13	100143
ISTHA	I000470	10/10/17	127000000626	01-11.C225	Admin Vehicle Tolls	5.70		
		10/10/17	127000000626	01-12.C225	Plant Vehicle Tolls	694.55		
		10/10/17	127000000626	01-13.C225	Lab Vehicle Tolls	14.70		
		10/10/17	127000000626	01-14.C225	SS Vehicle Tolls	91.15	806.10	060248
JOHNSTONE SUPPLY	J000140	10/18/17	4018212	01-12.B812	MSB HVAC	59.00		
		10/18/17	4018219	01-15.B824	Hobson LS AC Parts	83.02		
		10/18/17	4018247	01-15.B824	Hobson LS AC Part	15.75	157.77	100144
JULIE, INC.	J000250	09/30/17	2017-1017	01-14.B127	Qtrly Payment	4488.81	4488.81	060249
JUST TIRES	J000300	10/27/17	188656	01-11.C225	NJM Vehicle Repair	84.00	84.00	060250
KANSAS CITY LIFE INSURANCE CO	K000045	11/01/17	14887	01-17.E455	Life Insurance	386.98	386.98	100145
KARA COMPANY INC.	K000053	11/13/17	332349	01-14.B116	Wire Flags	183.60	183.60	100146
KODIAK CONTROLS INC.	K000210	11/03/17	VK24L1	01-12.B512	Maintenance Rep Supplies	58.26	58.26	100147
LIBERTY PROCESS EQUIPMENT, INC.	L000028	10/10/17	0069742-IN	01-12.B508	Concentration Pump 3 Prt	3661.00	3661.00	060251
MBM SERVICES INC.	M000010	10/17/17	29693	01-11.B116	Admin Supplies	196.61		
		11/01/17	29714	01-11.B118	Cleaning Services	331.00	527.61	060252
MARCOTT ENTERPRISES, INC.	M000115	10/25/17	17816	01-12.B509	Sand Delivery	850.97	850.97	100148
MARSHALL-BOND PUMPS, INC	M000205	10/20/17	38559.0	01-12.B506	Prim ODS Sludge Pump Part	92.85	92.85	060253
MCMASTER-CARR SUPPLY COMPANY	M000360	10/11/17	47941398	01-12.B512	Plant Hose Fittings	296.26		
		10/24/17	48880541	01-12.B512	MSB Oil Drum Part	24.18	320.44	100149
MENARDS - BOLINGBROOK	M000430	10/24/17	29675	01-13.B116	Lab Supplies	5.76		
		11/02/17	30258	01-12.B810	Dig 4&5 Roof Drain	315.33		
		11/06/17	30518	01-15.B824	Hobson Bio Filter	97.74	418.83	060254
MICRO CENTER	M000550	10/17/17	4292511	01-11.B115	Firewall Cables	19.99		
		10/17/17	4292516	01-11.B115	Returned Firewall Cable	19.99-		
		10/17/17	4292517	01-11.B115	Firewall Cables	39.96	39.96	060255
MIELE INC.	M000580	10/11/17	900012890	01-13.B115	Lab Dishwasher	13038.00		
		10/24/17	900012890/1	01-13.B115	Installation of Washer	800.00	13838.00	060256
MONSTER WORLDWIDE, INC.	M000650	10/27/17	6476569	01-12.B117	Maint Position	375.00		
		10/27/17	6476569	01-14.B117	Code Enforce Position	375.00	750.00	060257
MOTION INDUSTRIES, INC.	M000750	10/19/17	IL10-617356	01-12.B506	Prim Clar 3&4 Part	1762.26	1762.26	100150
3266-NCPERS - IL IMRF	N000010	10/20/17	32661117	01-00.2017	Vol Life Insurance	304.00	304.00	060258
NAPA AUTO PARTS	N000040	10/26/17	4343-518658	01-14.C225	Flush Truck Part	13.49	13.49	060259
NAPCO STEEL, INC.	N000050	11/15/17	412608	01-12.C225	Loader Rack Repair F250	178.00		
		11/15/17	412613	01-12.B501	Sludge Augers	486.75	664.75	100151
NATIONAL PUBLIC EMPLOYER	N000120	10/19/17	Campbell12784	01-11.B117	Membership Dues	205.00	205.00	060260
NEENAH FOUNDRY COMPANY	N000170	10/31/17	247026	01-14.B913	Manhole Covers Stock	1632.00	1632.00	060261

01 GENERAL FUND STANDARD CHECK REGISTER FOR 11/21/17

Date: 11/17/17  
Time: 2:30pm

***** VENDOR *****			***** INVOICE *****					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
NICOR GAS	N000330	10/23/17	2833584	01-12.B101	Walnut House Gas	31.79		
		10/23/17	3892638	01-11.B101	Admin Center Gas	42.46		
		10/23/17	4440979	01-12.B101	Plant Gas	60.99		
		10/25/17	4664113	01-12.B101	Chem Feed Gas	36.74		
		10/23/17	4782107	01-12.B101	Plant 2 Gas	60.97	232.95	060262
NISSEN ENERGY INC	N000350	10/31/17	113	01-12.B513	Oil for CHP's	3423.57	3423.57	100152
NORTHERN TOOL & EQUIPMENT	N000560	10/24/17	38902289	01-12.B116	Advantage Prog Renew	39.99		
		11/04/17	38981978	01-12.C225	Ratchet Tie Down	109.98	149.97	060263
OFFICE DEPOT	O000100	11/03/17	976980577001	01-11.B116	Paper for Admin	83.97	83.97	060264
OFFICIAL PAYMENTS	O000300	09/30/17	3946011	01-11.B110	ACH Payment Service	28.10		
		10/31/17	3946247	01-11.B110	ACH Payment Fees	28.00	56.10	060265
PETTY CASH	P000350	11/16/17	Cash Box	01-11.B117	Sups Lunch	41.67		
		11/16/17	Cash Box	01-12.C225	Safety Lane Checks	74.50		
		11/16/17	Cash Box	01-14.C225	Safety Lane Checks	44.50	160.67	060266
PORTER PIPE AND SUPPLY CO.	P000420	11/13/17	1164777-00	01-12.B810	Temp City Water Connect	81.07		
		10/16/17	11651092-00	01-15.B529	LS Air Relief Parts	2897.83		
		10/18/17	11652959-00	01-12.B505	Raw Sew Pmp 3 Part	8.18	2987.08	100153
RED WING SHOE STORE	R000180	11/03/17	45-1-38215	01-14.B117	Thermal Sweatshirts Empl	382.45	382.45	100154
RENTAL MAX L.L.C.	R000250	10/16/17	263783-5	01-12.B116	High Flow Hose Rental	14.50	14.50	060267
RICOH	R000305	10/22/17	5050900842	01-11.B115	October Copies	601.55	601.55	060268
SAFETY-KLEEN SYSTEMS, INC.	S000050	10/25/17	74742790	01-12.B116	Maintenance Supplies	238.11	238.11	060269
SEAWAY SUPPLY CO.	S000200	09/29/17	128447	01-12.B116	MSB Supplies	192.53		
		10/23/17	128590	01-12.B512	Maint Repair Supplies	360.76		
		10/17/17	128905	01-12.B116	Plant Supplies	213.28		
		10/17/17	128908	01-12.B113	Plant Supplies	127.20		
		11/01/17	129294	01-12.B116	Maintenance Supplies	338.64	1232.41	100155
SHERWIN-WILLIAMS CO.	S000320	10/18/17	2486-6	01-15.B823	Earlston LS Paint	64.65		
		10/17/17	9015-1	01-15.B823	Earlston LS Paint	80.68	145.33	100156
SOUTHWEST OIL, INC	S000500	10/10/17	8224200	01-12.B116	Waste Oil Removal	60.00	60.00	060270
SPRING GREEN LAWN CARE	S000550	11/02/17	5651193	01-15.B824	Hobson LS	54.00		
		11/02/17	5651194	01-15.B826	Northwest LS	87.00		
		11/02/17	5651195	01-11.B118	Admin Center	62.00		
		11/09/17	5651196	01-15.B828	Wroble LS	49.00		
		11/09/17	5651197	01-15.B821	Centex LS	42.00		
		11/09/17	5651198	01-15.B823	Earlston LS	29.00		
		11/09/17	5651199	01-15.B827	Venard LS	42.00		
		11/02/17	5651200	01-15.B825	Liberty Park LS	49.00		
		10/27/17	5651201	01-15.B820	Butterfield LS	34.00		
		10/31/17	5651295	01-12.B812	WWTC	909.00	1357.00	060271
STAPLES INC.	S000640	10/28/17	8047176985	01-11.B116	Admin Calendars	74.68		
		10/28/17	8047176985	01-12.B116	WWTC Calendars	214.76		
		10/28/17	8047176985	01-13.B116	Lab Calendars	83.22	372.66	060272
STEPHENS PLUMBING AND	S000680	10/17/17	191464	01-14.B910	Sewer Line Repair	229.50		
		10/22/17	191595	01-14.B910	Sewer Line Repair	322.85		
		10/23/17	191643	01-14.B910	Sewer Line Repair	457.00		
		11/02/17	192155	01-14.B910	Sewer Repair	301.00		
		11/06/17	192262	01-14.B910	Sewer Repair	227.90	1538.25	060273
STEVENSON CRANE SERVICE, INC.	S000720	10/23/17	41633	01-15.B522	College Pump 3	350.00		
		10/23/17	41633	01-15.B524	Hobson Pump 2	350.00	700.00	100157
SUBURBAN LABORATORIES, INC.	S000865	10/18/17	149265	01-13.B123	NPDES Samples	130.50	130.50	100158
SUBURBAN LIFE PUBLICATIONS	S000867	10/31/17	10071278	01-11.B124	Legal Publication	144.36	144.36	060274

01 GENERAL FUND STANDARD CHECK REGISTER FOR 11/21/17

Date: 11/17/17  
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***** VENDOR *****			***** INVOICE *****					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
SULZER PUMPS SOLUTIONS INC.	S000890	09/15/17	90640871	01-12.B507	ABS Blower 1 Parts	3521.33		
		09/20/17	90641426	01-12.B507	ABS Blower 1 Parts	1463.60		
		10/12/17	90646429	01-12.B507	ABS Blower 1 Parts	1069.06		
		10/24/17	90648583	01-12.B507	ABS Blower 1 Parts	3954.69	10008.68	100159
IRENE TAYLOR	T000090	10/31/17	Reimburse	01-12.B116	Open House Items	634.32	634.32	100160
TERRACE SUPPLY COMPANY	T000250	10/31/17	00981509	01-12.B116	Cylinder Rental	57.37		
		10/20/17	70372634	01-12.B513	Nitrogen	113.46		
		10/23/17	70372859	01-12.B116	Propane	45.95		
		11/06/17	70374892	01-12.B116	Propane	45.95		
		11/08/17	70375210	01-12.B513	Nitrogen	68.73	331.46	100161
U.S. UPFITTERS	U000120	10/20/17	64527	01-14.C226	SS Truck Equip Install	678.90	678.90	060275
USABLUBOOK	U000150	10/12/17	392077	01-15.B520	Bfield LS Bio-Block	260.81		
		10/18/17	396609	01-13.B116	Lab Supplies	283.72	544.53	060276
UNDERCUTTERS	U000190	10/24/17	Tree Service	01-15.B827	Tree Removal at Venard LS	900.00	900.00	060277
UNISON SOLUTIONS, INC.	U000192	11/03/17	2017-5954	01-12.B404	Iron Sponge/Bulk Bags	14385.00	14385.00	100162
UNITED FENCE CO.	U000200	10/31/17	2292	01-15.B823	Earlston LS Fence	3700.00	3700.00	060278
UNITED PARCEL SERVICE	U000300	10/21/17	3Y0091427	01-14.B115	Equip Return	23.58	23.58	060279
UNIVAR USA INC	U000350	10/18/17	CH984685	01-12.B403	Calcium Hypochlorite	3153.15	3153.15	060280
UNO CONSTRUCTION CO., INC.	U000450	10/31/17	4	01-14.B910	BSSRP	98879.00	98879.00	060281
VWR INTERNATIONAL INC.	V000030	10/18/17	8080250171	01-13.B114	Lab Chemicals	115.82		
		10/18/17	8080250171	01-13.B116	Lab Supplies	151.85		
		10/18/17	8080250172	01-13.B114	Lab Chemicals	203.27	470.94	060282
VERIZON WIRELESS	V000135	11/01/17	542042956-1	01-12.B112	WWTC Tablet Service	40.08		
		11/01/17	542042956-1	01-14.B112	SS Tablet Service	187.25		
		11/01/17	542042956-1	01-15.B112	LS Tablet Service	10.02		
		10/28/17	785846626-1	01-11.B112	Admin Cell Service	193.76		
		10/28/17	785846626-1	01-12.B112	WWTC Cell Service	994.40		
		10/28/17	785846626-1	01-14.B112	SS Cell Service	482.38		
		10/28/17	785846626-1	01-15.B112	LS Cell Service	266.76	2174.65	060283
WAGNER COMMUNICATIONS, INC	W000070	11/01/17	171100082	01-11.B112	Answering Service Fees	575.68	575.68	100163
WESTFAX	W000350	10/31/17	1308140	01-11.B112	EFax Service	8.99	8.99	100164
WEST SIDE TRACTOR SALES CO.	W000380	10/25/17	N58594	01-12.B501	Wildcat Screening Parts	127.33		
		11/02/17	N58915	01-12.B501	Loader/High Flow Valve	118.05	245.38	060284
VILLAGE OF WESTMONT	W000450	11/02/17	714440	01-11.B121	Meter Readings	370.01		
		11/14/17	714466	01-11.B121	Shut Off Service	100.00	470.01	060285
WIEDEL, PHILIPP & INDELICATO	W000551	11/01/17	334	01-11.B124	Legal Fees	795.00	795.00	060286
WILKENS-ANDERSON	W000600	11/14/17	S1173825.001	01-13.B116	Lab Supplies	599.33	599.33	100165
WILLOW RIDGE GLASS & MIRROR	W000620	11/07/17	DOW-110717	01-12.B810	Window Replace Dig 1	1250.00	1250.00	060291
						*****	*****	
						463343.30	463343.30	

01 GENERAL FUND MANUAL CHECK REGISTER FOR 11/21/17

Date: 11/17/17

Time: 2:30pm

***** VENDOR *****			***** INVOICE *****					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
CHASE	B000050	10/30/17	PR 10-21-17	01-00.2000	Fed Tax	11784.15		
		10/30/17	PR 10-21-17	01-00.2002	Empl Soc Sec Tax	6055.82		
		10/30/17	PR 10-21-17	01-17.E461	Emplr Soc Sec Tax	6055.71	23895.68	100108
CHASE	B000050	11/03/17	SPR 10-31-17	01-00.2000	Fed Taxes	3637.88		
		11/03/17	SPR 10-31-17	01-00.2002	Empl Soc Sec Tax	2232.72		
		11/03/17	SPR 10-31-17	01-17.E461	Emplr Soc Sec Tax	2232.74	8103.34	100114
CHASE	B000050	11/13/17	PR 11-04-17	01-00.2000	Fed Tax	10094.96		
		11/13/17	PR 11-04-17	01-00.2002	Empl Soc Sec Tax	5612.01		
		11/13/17	PR 11-04-17	01-17.E461	Emplr Soc Sec Tax	5612.00	21318.97	100118
CHASE	B000050	10/20/17	SPR 10-15-17	01-00.2000	Fed Tax	3748.01		
		10/20/17	SPR 10-15-17	01-00.2002	Empl Soc Sec Tax	2001.18		
		10/20/17	SPR 10-15-17	01-17.E461	Emplr Soc Sec Tax	2001.18	7750.37	100123
CHASE	B000050	11/20/17	SPR 11-15-17	01-00.2000	Fed Tax	3373.79		
		11/20/17	SPR 11-15-17	01-00.2002	Empl Soc Sec Tax	1889.59		
		11/20/17	SPR 11-15-17	01-17.E461	Emplr Soc Sec Tax	1889.62	7153.00	100127
DUPAGE COUNTY DIVISION	D000610	10/30/17	AP170541	01-14.B911	Hwy Permit For Repair	910.00	910.00	060207
DUPAGE CREDIT UNION	D000650	10/27/17	PR 10-21-17	01-00.2013	Empl Authorized W/Holding	1621.31	1621.31	100110
DUPAGE CREDIT UNION	D000650	11/02/17	SPR 10-31-17	01-00.2013	Empl Authorized W/Holding	750.00	750.00	100116
DUPAGE CREDIT UNION	D000650	11/10/17	PR 11-04-17	01-00.2013	Empl Authorized W/Holding	1621.31	1621.31	100120
DUPAGE CREDIT UNION	D000650	10/18/17	SPR 10-15-17	01-00.2013	Empl Authorized W/Holding	750.00	750.00	100125
DUPAGE CREDIT UNION	D000650	11/17/17	SPR 11-15-17	01-00.2013	Empl Authorized W/Holding	750.00	750.00	100129
GUNTNER US, LLC	G000600	11/09/17	110577	01-12.B513	CHP1 Cooling Fan	1340.40	1340.40	060210
HEALTH CARE SERVICE CORP.	H000190	10/20/17	165585	01-17.E455	Health Insurance	36971.79	36971.79	100107
ILLINOIS DEPARTMENT OF REVENUE	I000240	10/30/17	PR 10-21-17	01-00.2001	State Tax	3749.31	3749.31	100109
ILLINOIS DEPARTMENT OF REVENUE	I000240	11/03/17	SPR 10-31-17	01-00.2001	State Taxes	1516.23	1516.23	100115
ILLINOIS DEPARTMENT OF REVENUE	I000240	11/13/17	PR 11-04-17	01-00.2001	State Tax	3476.74	3476.74	100119
ILLINOIS DEPARTMENT OF REVENUE	I000240	10/20/17	SPR 10-15-17	01-00.2001	State Tax	1385.04	1385.04	100124
ILLINOIS DEPARTMENT OF REVENUE	I000240	11/20/17	SPR 11-15-17	01-00.2001	State Tax	1316.38	1316.38	100128
ILLINOIS MUNICIPAL	I000300	11/08/17	Pension	01-00.2003	Empl Pension Deposit	9860.63		
		11/08/17	Pension	01-00.2014	Empl Vol Pension Deposit	5856.38		
		11/08/17	Pension	01-17.E460	Emplr Pension Deposit	25791.01	41508.02	100113
ILLINOIS STATE TREASURER	I000388	11/01/17	Unclaimed	01-05.3001	Unclaimed Funds	988.19	988.19	060208
INVOICE CLOUD	I000750	10/31/17	607-2017-10	01-11.B121	Service Fees	220.50	220.50	100122
STATE DISBURSEMENT UNIT	S000650	10/27/17	PR 10-21-17	01-00.2012	Wage Deduction	627.23	627.23	060206
STATE DISBURSEMENT UNIT	S000650	11/10/17	PR 11-04-17	01-00.2012	Wage Deduction	627.23	627.23	060209
U.S. POSTAL SERVICE	U000130	10/30/17	Meter Refill	01-11.B119	Postage Meter Refill	1000.00	1000.00	100112
VANTAGEPOINT TRANSFER AGENTS-45V000120		10/27/17	PR 10-21-17	01-00.2020	Def Comp	166.11	166.11	100111
VANTAGEPOINT TRANSFER AGENTS-45V000120		11/02/17	SPR 10-31-17	01-00.2020	Def Comp	1335.00	1335.00	100117
VANTAGEPOINT TRANSFER AGENTS-45V000120		11/10/17	PR 11-04-17	01-00.2020	Def Comp	167.68	167.68	100122
VANTAGEPOINT TRANSFER AGENTS-45V000120		10/18/17	SPR 10-15-17	01-00.2020	Def Comp	1335.00	1335.00	100126
VANTAGEPOINT TRANSFER AGENTS-45V000120		11/17/17	SPR 11-15-17	01-00.2020	Def Comp	1335.00	1335.00	100130
						*****	*****	
						173689.83	173689.83	

----- VENDOR -----			----- INVOICE -----					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
BAXTER & WOODMAN, INC.	B000120	10/20/17	0195487	02-36.0504	Lib Pk LS Replace Prj	2087.50	2087.50	100166
						-----	-----	
						2087.50	2087.50	

----- VENDOR -----			----- INVOICE -----					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
BAXTER & WOODMAN, INC.	B000120	10/20/17	0195488	03-35.0504	CHP 2 Improvement Proj	715.00		
		11/21/17	0195490	03-37.0504	Grease Rec Stn 2 Proj	11051.83	11766.83	100167
BOLLER CONSTRUCTION CO., INC.	B000280	11/06/17	3	03-37.0506	Grease Rec Stn 2 Constr	28565.00	28565.00	060292
						40331.83	40331.83	

DATE

REVIEWED

TRUSTEE APPROVAL

PRESIDENT

CLERK

# ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 11/21/17

Date: 11/17/17  
Time: 2:30pm

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-00.1000	CASH		637033.13-
01-00.1001	CASH - PAYROLL ACCOUNT	157174.20	
01-00.2000	FEDERAL TAX WITHHELD	32638.79	
01-00.2001	STATE TAX WITHHELD	11443.70	
01-00.2002	SOCIAL SECURITY WITHHELD	17791.32	
01-00.2003	IMRF WITHHELD	9860.63	
01-00.2012	WAGE DEDUCTION ORDER	1254.46	
01-00.2013	CREDIT UNION WITHHELD	5492.62	
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	5856.38	
01-00.2017	VOLUNTARY GROUP LIFE	304.00	
01-00.2020	DEFERRED COMPENSATION WITHHELD	4338.79	
01-05.3001	USER RECEIPTS	7152.70	
01-11.B100	ELECTRICITY	177.63	
01-11.B101	NATURAL GAS	42.46	
01-11.B102	WATER, GARBAGE AND OTHER UTILITIES	302.30	
01-11.B110	BANK CHARGES	56.10	
01-11.B112	COMMUNICATION	1393.30	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	8962.74	
01-11.B116	SUPPLIES	432.86	
01-11.B117	EMPLOYEE/DUTY COSTS	490.74	
01-11.B118	BUILDING AND GROUNDS	1089.08	
01-11.B119	POSTAGE	1000.00	
01-11.B121	USER BILLING MATERIALS	4968.35	
01-11.B124	CONTRACT SERVICES	9312.16	
01-11.C222	GAS/FUEL	61.78	
01-11.C225	OPERATION/REPAIR	89.70	
01-12.B100	ELECTRICITY	4902.11	
01-12.B101	NATURAL GAS	190.49	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	3456.85	
01-12.B104	FUEL - GENERATORS	7083.07	
01-12.B112	COMMUNICATION	1385.12	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	381.15	
01-12.B116	SUPPLIES	3350.84	
01-12.B117	EMPLOYEE/DUTY COSTS	1511.90	
01-12.B401	CHEMICALS - DISINFECTION	6111.09	
01-12.B403	CHEMICALS - TERTIARY TREATMENT	3153.15	
01-12.B404	CHEMICALS - OTHER	14385.00	
01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	882.08	
01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	8.18	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	1855.11	
01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	10672.62	
01-12.B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	3697.21	
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	934.75	
01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	2126.12	
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	1745.52	
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	8615.73	
01-12.B805	BLDG AND GROUNDS - INFLUENT PUMPING	702.43	
01-12.B810	BLDG AND GROUNDS - SLUDGE DIGESTION	1646.40	
01-12.B811	BLDG AND GROUNDS - TERTIARY TREATMENT	89.62	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	4512.54	
01-12.B813	BLDG AND GROUNDS - WWTC UTILITIES	3140.74	

ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 11/21/17

Date: 11/17/17

Time: 2:30pm

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.C222	GAS/FUEL	1495.79	
01-12.C225	OPERATION/REPAIR	1197.03	
01-13.B114	CHEMICALS	438.09	
01-13.B115	EQUIPMENT/EQUIPMENT REPAIR	13999.99	
01-13.B116	SUPPLIES	1331.45	
01-13.B117	EMPLOYEE/DUTY COSTS	148.14	
01-13.B123	OUTSIDE LAB SERVICES	1435.30	
01-13.C222	GAS/FUEL	19.27	
01-13.C225	OPERATION/REPAIR	14.70	
01-14.B112	COMMUNICATION	669.63	
01-14.B113	EMERGENCY/SAFETY EQUIPMENT	1164.00	
01-14.B115	EQUIPMENT/EQUIPMENT REPAIR	2239.87	
01-14.B116	SUPPLIES	342.18	
01-14.B117	EMPLOYEE/DUTY COSTS	1316.84	
01-14.B124	CONTRACT SERVICES	1302.82	
01-14.B127	JULIE SYSTEM	4488.81	
01-14.B901	SEWER SYSTEM REPAIRS - I/I PROGRAM	60.00	
01-14.B903	SEWER SYSTEM REPAIRS - REHABILITATION	1012.50	
01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	102615.57	
01-14.B911	SEWER SYSTEM REPAIRS - BSSRAP - TARGET I/I	910.00	
01-14.B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/REH	1632.00	
01-14.C222	GAS/FUEL	1302.67	
01-14.C225	OPERATION/REPAIR	236.99	
01-14.C226	VEHICLE PURCHASES	678.90	
01-15.B100	ELECTRICITY	16558.58	
01-15.B112	COMMUNICATION	328.18	
01-15.B116	SUPPLIES	62.67	
01-15.B520	EQPT/EQPT REPAIR - BUTTERFIELD	260.81	
01-15.B522	EQPT/EQPT REPAIR - COLLEGE	1047.01	
01-15.B524	EQPT/EQPT REPAIR - HOBSON	3364.22	
01-15.B528	EQPT/EQPT REPAIR - WROBLE	2164.00	
01-15.B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	3829.06	
01-15.B820	BLDG AND GROUNDS - BUTTERFIELD	154.00	
01-15.B821	BLDG AND GROUNDS - CENTEX	162.00	
01-15.B823	BLDG AND GROUNDS - EARLSTON	3994.33	
01-15.B824	BLDG AND GROUNDS - HOBSON	2370.51	
01-15.B825	BLDG AND GROUNDS - LIBERTY PARK	169.00	
01-15.B826	BLDG AND GROUNDS - NORTHWEST	207.00	
01-15.B827	BLDG AND GROUNDS - VENARD	1062.00	
01-15.B828	BLDG AND GROUNDS - WROBLE	169.00	
01-15.B829	BLDG AND GROUNDS - LIFT STATIONS GENERAL	120.00	
01-17.E452	LIABILITY/PROPERTY	9070.00	
01-17.E455	EMPLOYEE GROUP HEALTH	40079.35	
01-17.E460	IMRF	25791.01	
01-17.E461	SOCIAL SECURITY	17791.25	
02-00.1000	CASH		2087.50-
02-36.0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVISN	2087.50	
03-00.1000	CASH		40331.83-
03-35.0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVISN	715.00	
03-37.0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVISN	11051.83	
03-37.0506	CONSTRUCTION CONTRACTS AND PURCHASES	28565.00	

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
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679452.46      679452.46-

Vendor	Invoice Date	Amount	Coding	Coding Description	Purchase Location	Emp.	Procurement	Project Name (If applicable)	Item Description
Grainger	10/12/17	\$68.04	01-12.B116	WWTC SUPPLIES	Delivered	JPB		Supplies	Batteries AAA, AA, C & 9V
Grainger	10/12/17	\$200.65	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware, Pipe Nipples & Fittings
Grainger	10/12/17	\$200.65	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware, Pipe Nipples & Fittings
Grainger	10/16/17	\$702.43	01-12.B805	BLDG & GROUNDS - INFLUENT PUMPING	Delivered	JPB	shopped	Excess Flow Pump Station	1 hp submersible sewage pump
Grainger	10/16/17	\$92.98	01-12.B116	WWTC SUPPLIES	Delivered	MM		Supplies	Cleaning Supplies (Mops & Floor Cleaner)
Grainger	10/17/17	\$2.46	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MR		2017 Outdoor Lighting LED Upgrades	Washers
Grainger	10/18/17	\$230.82	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	MR		2017 Outdoor Lighting LED Upgrades	(18) Photo Control Switches
Grainger	10/18/17	\$119.00	01-13.B114	CHEMICALS	Delivered	DRB	shopped	chemicals	2 pH buffers
Grainger	10/18/17	\$131.16	01-13.B116	LAB SUPPLIES	Delivered	DRB	shopped	Supplies	2 types of pipettes for lab use
Grainger	10/18/17	\$89.62	01-12.B811	BLDG & GROUNDS - TERTIARY TREATMENT	Delivered	AC		Microstrainer Building Vent Fan	1/3 HP Fan Motor
Grainger	10/20/17	\$16.55	01-13.B116	LAB SUPPLIES	Delivered	DRB	shopped	Supplies	sampling pitchers for grease collection
Grainger	10/12/17	-\$200.65	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Supplies	Hardware, Pipe Nipples & Fittings (Returned/Duplicate Order - Grainger Error)
Grainger	10/23/17	\$2,432.16	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	JPB		2017 Outdoor Lighting LED Upgrades	LED Flood Light & Wall Pack Fixtures
Grainger	10/24/17	\$59.14	01-14.B117	EMPLOYEE/DUTY COSTS	Delivered	KS		Rain Gear	Rain Jacket for Keith Shaffner
Grainger	10/25/17	\$136.53	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware, Pipe Nipples & Fittings
Grainger	10/25/17	\$19.88	01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	Delivered	ST		Sludge recirc #4 rebuild	Retaining compound- lock Tite
Grainger	10/26/17	\$224.33	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware, Pipe Nipples & Fittings
Grainger	10/26/17	\$224.33	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware, Pipe Nipples & Fittings
Grainger	10/27/17	-\$224.33	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	In-Store	AC		Maintenance Repair Supplies	Hardware, Pipe Nipples & Fittings (Returned/Duplicate Order - Grainger Error)
Grainger	10/27/17	\$107.10	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	RS		2017 Outdoor Lighting LED Upgrades	(10) Photo Eye Control Switches
Grainger	10/31/17	\$8.02	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	NW		Supplies	PVC Pipe Couplings
Grainger	11/02/17	\$46.98	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	RS		2017 Outdoor Lighting LED Upgrades	Crimper Tool 22 to 10 AWG
Grainger	11/02/17	\$311.47	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	RS		Electrical Supplies	Control Fuses and Super 33+ Electrical Tape
Grainger	11/03/17	\$160.00	01-12.B116	WWTC SUPPLIES	Delivered	RS		Supplies	Label Maker Tape
Grainger	11/03/17	\$45.09	01-11.B118	ADMIN BUILDING & GROUNDS	Delivered	RS		HVAC Filter Replacement	(3) Air Bear Filters 20x25x5
Grainger	11/03/17	\$240.40	01-12.B813	BLDG & GROUNDS - WWTC UTILITIES	Delivered	RS		2017 Outdoor Lighting LED Upgrades	(4) LED 20 Watt Wall Packs
Grainger	11/08/17	\$21.19	01-12.B116	WWTC SUPPLIES	Delivered	MR		Supplies	1000 Small Parts Bags
Grainger	11/08/17	\$72.32	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	BS		HVAC Filter Replacement	(6) 16x24x2, (4) 15x20x2, (2) 20x25x5 Air Filters
Grainger	11/09/17	\$367.99	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	CP		Soda Ash System Gas Cleaning Equipment	Air Compressor for Mixing
Grainger	11/09/17	\$98.34	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware, Pipe Nipples & Fittings
Grainger	11/09/17	\$777.04	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	JPB	Circle K Was \$1,222.00, Now \$777.04	WWTC Switchgear Control	Nema Size 0 Reversing Contactor
Grainger	11/09/17	\$80.32	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	Delivered	NW		Lab emergency Light Replacement	(2) LED Emergency Lights
Grainger	11/09/17	\$320.00	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	Delivered	RS		2017 Outdoor Lighting LED Upgrades	Gasketed Knock Out filler Plugs
Grainger	11/10/17	\$27.42	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	CP		Soda Ash System Gas Cleaning Equipment	Receptacle Single Outlet
Grainger	11/13/17	\$109.44	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	CP		Soda Ash System Gas Cleaning Equipment	Air Intake Filters for new Air Compressor
Grainger	11/15/17	\$36.21	01-12.B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	In-Store	AC		Sludge Concentrators	V-Belts

**Date: 11/16/2017**

**Petty Cash Checking Reimbursement**

**D-440**

**Due Date: 11/21/2017**

**Invoice #: Reimburse**

<b>Date</b>	<b>Purchased From</b>	<b>Reimbursed To</b>	<b>Description</b>	<b>Code</b>	<b>Amount</b>	<b>Ck No.</b>
10/23/17	Baxter & Woodman		Reese Berry Seminar	13.B117	60.00	
11/02/17	Waits of Love		BSSRP Refund	14.B910	330.16	
11/02/17	Condo Management		BSSRP Refund	14.B910	594.28	
11/06/17	IAWA		WCC & NJM Tech Meeting	11.B117	100.00	
11/09/17	Carroll Construction		Concrete for Grease Stn	12.B812	268.00	

**Total Receipts/Reimbursement** 1352.44

**Expense by code**

11.B117	100.00
12.B812	268.00
13.B117	60.00
14.B910	924.44
	<hr/>
	1352.44

Date: 11/16/17

Petty Cash Reimbursement

P - 350

Due Date:11/21/17

Invoice #: Cash Box

Date	Purchased From	Reimbursed To	Description	Code	Amount
10/23/2017			Change from October CO Post Office Visit - Deducted \$20/Actual \$6.64	11.B119	-12.15
11/16/2017	USPS		Postage Due	11.B119	4.64
10/13/2017	USPS		Postage Due	11.B119	5.80
10/19/2017	Mr. Submarine		Sups Lunch	11.B117	41.67
10/30/2017	USPS		Postage Due	11.B119	1.71
11/6/2017	Fosters Truck		Safety Lane #317	12.C225	44.50
11/6/2017	Fosters Truck		Safety Lane #354	12.C225	30.00
11/9/2017	Fosters Truck		Safety Lane #311	14.C225	44.50

<b>Total Receipts</b>	<b>160.67</b>
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Expense by code

11.B117	41.67
11.B119	0.00
12.C225	74.50
14.C225	44.50
<b>Total</b>	<b>160.67</b>

# DOWNERS GROVE SANITARY DISTRICT

## MEMO

TO: Board of Trustees

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: November 13, 2017

RE: Proposal for Audit Professional Services for FY's 2017-18, 2018-19 and 2019-20

For the last three fiscal years, Lauterbach & Amen, LLP has performed the District's audit. Staff has been satisfied with the level of professional services provided and requested a new proposal and engagement letter from them (attached) to provide an audit for the next three fiscal years for the District.

Lauterbach & Amen, LLP	Audit Fees for FYs 2014-2017	Audit Fees Proposed for FYs 2017-2020	Increase in Fee over the previous year
Year 1	\$13,000	\$13,700	0.0%
Year 2	\$13,350	\$14,000	2.2%
Year 3	\$13,700	\$14,300	2.1%
Total Cost of Engagement	\$40,050	\$42,000	

Lauterbach & Amen, LLP has offered no increase in fees from the fiscal year just completed followed up by very moderate increases of \$300 each for years 2 and 3.

We are recommending that the District sign an engagement agreement with Lauterbach & Amen, LLP to perform the District's annual audit for Fiscal Years 2017-18, 2018-19 and 2019-20 in the corresponding amounts of \$13,700, \$14,000, and \$14,300. I will be seeking approval from the Board of Trustees for the President and Clerk to execute that agreement at the November 21 regular Board meeting.

cc: KJR, RTJ, MJS, NJM, MGP

Enclosure



October 13, 2017

Members of the Board of Trustees  
Downers Grove Sanitary District  
Downers Grove, Illinois

We are pleased to confirm our understanding of the services we are to provide the Downers Grove Sanitary District, Illinois for the years ended April 30, 2018, April 30, 2019 and April 30, 2020. We will audit the financial statements of the governmental activities, each major fund, and the aggregate remaining fund information, including the related notes to the financial statements, which collectively comprise the basic financial statements of the District as of and for the years ended April 30, 2018, April 30, 2019 and April 30, 2020. Accounting standards generally accepted in the United States of America provide for certain required supplementary information (RSI), such as management's discussion and analysis (MD&A), to supplement the District's basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. As part of our engagement, we will apply certain limited procedures to the District's RSI in accordance with auditing standards generally accepted in the United States of America. These limited procedures will consist of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We will not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance. The following RSI is required by generally accepted accounting principles and will be subjected to certain limited procedures, but will not be audited: management's discussion and analysis, the budgetary comparison schedules, pension plan employer contribution schedules, changes in the employer's net pension liability schedules, pension plan investment return schedules, and other postemployment benefit obligation funding progress and employer contribution schedules.

We have also been engaged to report on supplementary information other than RSI that accompanies the District's financial statements. We will subject the following supplementary information to the auditing procedures applied in our audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America and will provide an opinion on it in relation to the financial statements as a whole: fund statements and budgetary comparison schedules, and other information listed as supplemental schedules.

### *Audit Objective*

The objective of our audit is the expression of opinions as to whether your basic financial statements are fairly presented, in all material respects, in conformity with generally accepted accounting principles and to report on the fairness of the supplementary information referred to in the second paragraph when considered in relation to the financial statements as a whole. Our audit will be conducted in accordance with auditing standards generally accepted in the United States of America and will include tests of the accounting records and other procedures we consider necessary to enable us to express such opinions. We will issue a written report upon completion of our audit of the District's financial statements. Our report will be addressed to the Board of Trustees of the District. We cannot provide assurance that unmodified opinions will be expressed. Circumstances may arise in which it is necessary for us to modify our opinions or add emphasis-of-matter or other-matter paragraphs. If our opinions on the financial statements are other than unmodified, we will discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or are unable to form or have not formed opinions, we may decline to express opinions or may withdraw from this engagement.

### *Audit Procedures – General*

An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements; therefore, our audit will involve judgment about the number of transactions to be examined and the areas to be tested. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. We will plan and perform the audit to obtain reasonable rather than absolute assurance about whether the financial statements are free of material misstatement, whether from (1) errors, (2) fraudulent financial reporting, (3) misappropriation of assets, or (4) violations of laws or governmental regulations that are attributable to the entity or to acts by management or employees acting on behalf of the government.

Because of the inherent limitations of an audit, combined with the inherent limitations of internal control, and because we will not perform a detailed examination of all transactions, there is a risk that material misstatements may exist and not be detected by us, even though the audit is properly planned and performed in accordance with U.S. generally accepted auditing standards. In addition, an audit is not designed to detect immaterial misstatements, or violations of laws or governmental regulations that do not have a direct and material effect on the financial statements. However, we will inform the appropriate level of management of any material errors, any fraudulent financial reporting, or misappropriation of assets that come to our attention. We will also inform the appropriate level of management of any violations of laws or governmental regulations that come to our attention, unless clearly inconsequential. Our responsibility as auditors is limited to the period covered by our audit and does not extend to any later periods for which we are not engaged as auditors.

*Audit Procedures – General (Continued)*

Our procedures will include tests of documentary evidence supporting the transactions recorded in the accounts, and may include tests of the physical existence of inventories, and direct confirmation of receivables and certain other assets and liabilities by correspondence with selected individuals, funding sources, creditors, and financial institutions. We will request written representations from your attorneys as part of the engagement, and they may bill you for responding to this inquiry. At the conclusion of our audit, we will also require certain written representations from you about the financial statements and related matters.

*Audit Procedures – Internal Control*

Our audit will include obtaining an understanding of the District and its environment, including internal control, sufficient to assess the risks of material misstatement of the financial statements and to design the nature, timing, and extent of further audit procedures. An audit is not designed to provide assurance on internal control or to identify deficiencies in internal control. However, during the audit, we will communicate to management and those charged with governance internal control related matters that are required to be communicated under AICPA professional standards.

*Audit Procedures – Compliance*

As part of obtaining reasonable assurance about whether the financial statements are free of material misstatement, will perform tests of the District's compliance with the provisions of applicable laws, regulations, contracts, and agreements. However, the objective of our audit will not be to provide an opinion on overall compliance and we will not express such an opinion.

*Other Services*

We will also assist in preparing the financial statements and required audit adjustments, if any, for the District in conformity with U.S. generally accepted accounting principles based on information provided by you. We will perform these services in accordance with applicable professional standards. The other services are limited to the financial statements previously defined. We, in our sole professional judgement, reserve the right to refuse to perform any procedure or take any action that could be construed as assuming management responsibilities.

*Management Responsibilities*

Management is responsible for establishing and maintaining effective internal controls, including monitoring ongoing activities; for the selection and application of accounting principles; and for the preparation and fair presentation in the financial statements in conformity with U.S. generally accepted accounting principles.

*Management Responsibilities (Continued)*

Management is also responsible for making all financial records and related information available to us and for the accuracy and completeness of that information. You are also responsible for providing us with (1) access to all information of which you are aware that is relevant to the preparation and fair presentation of the financial statements, (2) additional information that we may request for the purpose of the audit, and (3) unrestricted access to persons within the government from whom we determine it necessary to obtain audit evidence.

Your responsibilities include adjusting the financial statements to correct material misstatements and confirming to us in the management representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the latest period presented are immaterial, both individually and in the aggregate, to the financial statements taken as a whole.

You are responsible for the design and implementation of programs and controls to prevent and detect fraud, and for informing us about all known or suspected fraud affecting the government involving (1) management, (2) employees who have significant roles in internal control, and (3) others where the fraud could have a material effect on the financial statements. Your responsibilities include informing us of your knowledge of any allegations of fraud or suspected fraud affecting the government received in communications from employees, former employees, regulators, or others. In addition, you are responsible for identifying and ensuring that the government complies with applicable laws and regulations.

You are responsible for the preparation of the supplementary information in conformity with U.S. generally accepted accounting principles. You agree to include our report on the supplementary information in any document that contains and indicates that we have reported on the supplementary information. You also agree to make the audited financial statements readily available to users of the supplementary information no later than the date the supplementary information is issued with our report thereon. Your responsibilities include acknowledging to us in the representation letter that (1) you are responsible for presentation of the supplementary information in accordance with GAAP; (2) you believe the supplementary information, including its form and content, is fairly presented in accordance with GAAP; (3) the methods of measurement or presentation have not changed from those used in the prior period (or, if they have changed, the reasons for such changes); and (4) you have disclosed to us any significant assumptions or interpretations underlying the measurement or presentation of the supplementary information.

You agree to assume all management responsibilities for financial statement preparation services and any other nonattest services we provide; oversee the services by designating an individual, preferably from senior management, with suitable skill, knowledge, or experience; evaluate the adequacy and results of the services; and accept responsibility for them.

Downers Grove Sanitary District, Illinois  
October 13, 2017  
Page 5

*Engagement Administration, Fees, and Other*

Our fees for the April 30, 2018, April 30, 2019 and April 30, 2020 audit will be \$13,700, \$14,000 and \$14,300, respectively.

We appreciate the opportunity to be of service to the Downers Grove Sanitary District, Illinois and believe this letter accurately summarizes the significant terms of our engagement. If you have any questions, please let us know. If you agree with the terms of our engagement as described in this letter, please sign below and return it to us.

Cordially,

A handwritten signature in blue ink that reads "Lauterbach & Amen LLP". The signature is written in a cursive, flowing style.

LAUTERBACH & AMEN, LLP

RESPONSE:

This letter correctly sets forth the understanding of the Downers Grove Sanitary District, Illinois.

DOWNERS GROVE SANITARY DISTRICT

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Wallace D. Van Buren  
President, Board of Trustees

ATTEST:

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Paul W. Coultrap  
Clerk, Board of Trustees

**Board of Trustees**  
Wallace D. Van Buren  
*President*  
Amy S. Kovacevic  
*Vice President*  
Paul W. Coultrap  
*Clerk*

# Downers Grove Sanitary District

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

**General Manager**  
Nicholas J. Menninga  
**Legal Counsel**  
Michael G. Philipp

*Providing a Better Environment for South Central DuPage County*

## Memo

TO: Board of Trustees

FROM: Nick Menninga, General Manager

SUBJECT: Intergovernmental Agreement with the Village of Westmont regarding construction permitting and bonding

DATE: November 17, 2017

We recently met with staff from the Village of Westmont to discuss permit requirements associated with sewer construction in Westmont. During the meeting we discussed the intergovernmental agreement that DGSD has with the Village of Downers Grove that covers permitting and bonding requirements between the two entities. Westmont staff expressed interest in developing a similar agreement between DGSD and the Village of Westmont that would help streamline permitting and inspection.

The attached draft contains the same language and requirements as our agreement with the Village of Downers Grove, replacing only the name of the village involved. We have presented this to Westmont staff, and they have indicated interest in gaining approval from their Council.

At our November regular meeting I will be seeking approval from the Board of Trustees for the Intergovernmental Agreement between the Downers Grove Sanitary District and the Village of Westmont with regard to permitting and bonding requirements, and for permission for the General Manager and Assistant Clerk to sign the same.

C: BOLI, WCC, TTC, RPS, MGP, Village of Westmont

AN INTERGOVERNMENTAL AGREEMENT BETWEEN THE DOWNERS GROVE  
SANITARY DISTRICT AND THE VILLAGE OF WESTMONT WITH REGARD TO  
PERMITTING AND BONDING REQUIREMENTS

THIS AGREEMENT is entered into by and between the DOWNERS GROVE SANITARY DISTRICT, ILLINOIS, a sanitary district created and existing under the laws of the State of Illinois, (hereinafter referred to as the "District"), and the VILLAGE OF WESTMONT, ILLINOIS, an Illinois municipality, (hereinafter referred to as the "Village"), concerning the permitting and bonding requirements as they relate to construction improvements.

WHEREAS, the 1970 Illinois Constitution, Art. VII, Sec. 10, and Illinois Compiled Statutes, 5 ICLS 220/1 et. seq., allow the Village and the District to cooperate in the performance of their responsibilities by contract and other agreements; and

WHEREAS, the District and the Village desire to cooperate in an effort to insure that construction improvements performed within the corporate limits of Westmont, Illinois (hereinafter referred to as "Construction") meet the permitting and bonding requirements of both the Village and the District.

NOW, THEREFORE, in consideration of the above stated preambles and the mutual covenants and promises hereinafter contained, the Village and the District formally covenant, agree, and bind themselves as follows to wit:

1. Both the District and the Village agree to cooperate and make every effort to comply with the provisions described herein.
2. Both the District and the Village agree that, from the date of execution, this Agreement shall take precedence over some of the permitting and bonding requirements for construction, exempting strict compliance with certain requirements as the terms of this Agreement shall be in lieu of those requirements.
3. The District and the Village shall comply with all bonding and permitting requirements of the respective entities for the following construction:
  - A. Any and all new Construction; and
  - B. For any and all expansion Construction.
4. The District is exempt from Village permitting and bonding and, therefore, shall not be required to obtain a permit or provide a bond for any construction repair work or in-kind replacement work performed within the corporate limits of Westmont. Reciprocally, the Village is exempt from District permitting and bonding and, therefore, shall not be required to obtain a permit or provide a bond for any construction

repair work or in-kind replacement work performed within the corporate limits of Westmont.

5. Both the Village and the District agree that each party shall require all contractors performing Construction to issue a three year warranty covering said construction.
6. Both the Village and the District agree that each party shall require all contractors performing Construction to name both the District and the Village, and their respective agents, officers and employees, as additional insureds on all insurance policies required for each instance of Construction, as it applies to general liability coverage. The limits of liability shall not be less than one hundred thousand dollars (\$100,000) for each person and three hundred (\$300,000) for each occurrence; and there shall be an endorsement to the effect that such insurance is not cancelable by the issuer except upon ten (10) days notice of such cancellation to the other party. Proof of such additional coverage shall be provided to the other party prior to commencement of each instance of Construction.
7. The District shall indemnify, keep and hold harmless the Village where a loss is caused by the negligent, willful or reckless acts or omissions of the District, its employees, contractors, subcontractors, officers or agents. This provision shall survive the expiration of any obligation owing under this Agreement
8. The Village shall indemnify, keep and hold harmless the District where a loss is caused by the negligent, willful or reckless acts or omissions of the Village, its employees, contractors, subcontractors, officers or agents. This provision shall survive the expiration of any obligation owing under this Agreement.
9. Both the District and the Village shall make reciprocal efforts to submit plans of their respective construction projects to each other in a timely fashion for proper review, comment and permit, if so required. The goal is to submit plans no less than three (3) months prior to the anticipated start of each project.
10. Both the District and the Village shall make reciprocal efforts to inform each other of the scheduling of all joint meetings or pre-construction meetings for their respective construction projects which concern both the District and the Village.
11. This Agreement shall be perpetual, from the date of execution, and may be reviewed, from time to time, by the parties for the purpose of proposing changes or modifications to this Agreement. Such review shall only occur upon the request of one party and the consent of the other party where such consent shall not be unreasonably withheld.

12. This Agreement may be cancelled by either party without penalty of any kind by giving the other party notice of such cancellation not less than one hundred eighty (180) days prior to the effective date of cancellation.
13. This document shall be a final embodiment of the Agreement by and between the District and the Village. No oral changes or modifications of this Agreement shall be permitted or allowed. Changes or modifications to this Agreement shall be made only in writing and upon necessary and proper signature of the Village and the District and in accordance with the review provision in paragraph 15.
14. In the event that any provision of this Agreement shall be held invalid or unenforceable by a court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provisions hereto.
15. This agreement shall be binding upon and inure to the benefits of the parties hereto, their successors and assigns.

Dated at Downers Grove, Illinois, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Downers Grove Sanitary District

By: \_\_\_\_\_  
Nicholas J. Menninga, General Manager

Attest: \_\_\_\_\_  
W. Clay Campbell, Assistant Clerk

Dated at Westmont, Illinois, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Village of Westmont

By: \_\_\_\_\_  
Ronald Gunter, Mayor

Attest: \_\_\_\_\_  
Virginia Szymiski, Village Clerk

Memo

To: Board of Trustees

From: Nick Menninga, General Manager

Date: November 17, 2017

Subject: Operations Report – Illinois EPA Permits

Downers Grove Sanitary District holds three operating permits from Illinois EPA (IEPA). Two permits are for discharging water to streams, and one is for disposing of sewage sludge. The main discharge permit allows us to discharge our treated plant effluent, while the stormwater permit allows us to discharge stormwater from the treatment plant site.

We pay annual permit fees totaling \$53,000. The fee structure includes \$50,000 for the main discharge permit, \$2,500 for the sludge disposal permit, and \$500 for the stormwater discharge permit. The fees are reportedly used by the state to fund IEPA.

Construction permits are required by IEPA for sewer extensions and connections, and for treatment plant and lift station improvements that impact capacity or treatment. We obtain (or require developers to obtain) these permits as necessary prior to construction.

#### NPDES Permits

Permits to discharge to waterways are issued under the National Pollution Discharge Elimination System (NPDES). This system was originally developed in the early days of the Clean Water Act in the 1970s, and replaced the previous Sanitary Water Board regulatory system in Illinois. Early Clean Water Act goals included completely eliminating the discharge of all pollutants to the nation's waters, which has proved to be impractical. The permit system regulates the amount of pollution that can be discharged in treated water from Publicly Owned Treatment Works (POTWs) like DGSD's Waste Water Treatment Center (WWTC). The program also issues permits allowing the discharge of stormwater from industrial facilities, such as the WWTC site, regulating activities that may contribute to pollution in the runoff from the WWTC property.

NPDES permits are issued by IEPA on a 5-year cycle. A typical permit is issued with an effective date, and an expiration date 5 years later. The permit requires the permittee to apply for a renewal 6 months before the expiration date. If IEPA does not issue a renewed permit before the expiration date, the existing permit remains in effect until a renewal can be issued.

IEPA is delegated authority to issue permits from USEPA. The law gives USEPA the ability to object to permits issued by IEPA, and to issue permits if it considers IEPA's permits to be inadequately protective. There is an ongoing continuous dialogue between the two agencies as permits are issued.

### Treatment Plant Discharge NPDES Permit

DGSD received its first NPDES permit in 1974, and has had 8 renewals since then. Each renewal has brought additional requirements, reflecting changes in rules and policies that have occurred since the previous permit was issued.

The permit we are currently operating under is attached. We applied for renewal on January 25, 2012, and received the renewed permit in August, 2015.

The current permit includes numerous requirements that establish many of the key metrics that define our operation. The treatment plant capacity and effluent limitations in the permit have a direct impact on the extent and operation of the treatment facilities. The sizes of our aeration tanks, clarifiers, and filters were established to meet Illinois' design standards for this type of facility. The permit also contains specific operational and management requirements to ensure we continue to meet current regulations.

The permit identifies specific outfall pipes and internal monitoring points along with associated monitoring and reporting requirements and limits on pollutant discharges. We are required to meet limits for Biological Oxygen Demand (BOD), Total Suspended Solids (TSS) and Ammonia-Nitrogen (Ammon-N), which are tied closely to the expected performance of a single stage nitrifying activated sludge plant with tertiary filtration. The design standards establish the minimum facilities needed to meet the limits established in the permit. The design standards were established with a significant margin of safety.

The permit also requires seasonal disinfection for the main plant outfall. Because we use bleach to disinfect, there is also a requirement to remove chlorine before discharging to the river.

The permit establishes limits for discharges that occur during intense rains when the plant receives flows that exceed the capacity of the activated sludge and tertiary filtration portions of the plant. The permit requires us to use the tertiary treatment plant to capacity before using the excess flow treatment facilities. The excess flow limits are based on the technology in use for these excessive flows, settling and chlorination followed by blending with tertiary effluent. The resulting effluent is expected to meet the same discharge standards expected from a secondary (ie, activated sludge only) treatment facility. All excess flows are required to be disinfected, regardless of the season.

Our permit indicates that we preferentially discharge flows via the outfall sewer that carries effluent to the East Branch of the DuPage River.

There are numerous supporting requirements in the permit, identified under the special and standard conditions of the permit. The plant must be operated under the supervision of a properly certified operator. The District is required to run an industrial pretreatment permit program regulating industries that discharge into the sewer system, which includes periodic testing for toxic metals and organic chemicals. The District is required to conduct bio-monitoring, a type of biological assay that identifies any effluent toxicity using sensitive aquatic organisms. The District is required to track and report

sludge that is generated and disposed. The District is required to actively work to control sewer system infiltration and inflow, as identified in a self-generated report on Capacity, Management, Operation and Maintenance (CMOM). There is also a requirement to maintain membership in the DuPage River Salt Creek Workgroup (DRSCW), associated with watershed improvements (further discussed below).

The permit identifies potential penalties for violations. Violations can be assessed up to \$25,000 per day per violation. Falsification or tampering with monitoring equipment can be assessed up to \$20,000 and 4 years of prison.

#### Issues Surrounding DRSCW Membership

The regulatory framework surrounding NPDES permits has gone through significant change over the last 20 years. The assumptions that certain treatment plant technologies are adequately protective of stream health have been brought into question. IEPA maintains an ambient monitoring system that characterizes stream health, primarily using biological metrics that characterize the amount and diversity of river fish and macro-invertebrates. Despite continued operation of advanced wastewater treatment facilities, stream biology does not meet the metrics of a healthy aquatic community.

The framework developed by USEPA and being implemented by IEPA to try to improve stream health is the Total Maximum Daily Load (TMDL) program. Where streams are not meeting biological health metrics, IEPA is tasked with identifying the pollutant or pollutants that are causing the impairment, and then reducing pollutant loads by allocating allowable amounts of those pollutants among permitted sources. This can result in pollutant permit limits lower than those associated with the technologies we currently employ.

This TMDL program has proven to have limited use, because many things that cause impairments are not pollutant-load related. The TMDL program has therefore evolved flexibility to allow different approaches to improving stream health where pollutant load control would not be effective. This flexibility had an impact on recent permit renewals, which would have included lower permit limits for BOD and Amm-N if the TMDL study for the DuPage River had been approved as originally developed by IEPA. In lieu of those lower limits, the DuPage River Salt Creek Workgroup (DRSCW) was formed, and took the responsibility of carrying out a program of adaptive management to improve stream health. The adaptive management program includes stream monitoring and the development and implementation of river improvement projects, including dam removal and other habitat restoration projects, and a road salt reduction program. DGSD is a founding and active member of DRSCW.

#### Nutrients and DRSCW

A significant issue facing IEPA's permit writers is setting phosphorus limits in permits. Removal of phosphorus to meet a permit in a POTW generally requires the addition of expensive technology, increasing the cost of treatment from 15% to 50%, depending on the level of treatment expected.

Under pressure from Environmental Activist Groups (EAGs), USEPA has put a high priority on nutrient pollution (nitrogen and phosphorus in surface and ground water) around the country, taking different

approaches in different locations. Chesapeake Bay, Florida, and other areas each have unique regulatory approaches with varying degrees of success.

The upper Midwest is identified as part of the Mississippi Atchafalaya River Basin (MARB), whose nutrient load is understood to be a contributing cause of hypoxia in the Gulf of Mexico. USEPA's approach in the MARB is to require states, including Illinois, to develop water quality standards (in-stream concentration limits) to protect in-state waters, with the expectation that such limits will result in lower nutrient point-source discharge levels, as well as other efforts to control non-point source nutrient loads (agricultural, urban stormwater sources, etc). They have also directed each state to develop a nutrient strategy, intended to include steps needed to develop water quality standards, as well as identification of nutrient reduction activities that can be employed outside the traditional regulatory approach that focuses on point sources.

IEPA worked with the Illinois Department of Agriculture to prepare Illinois' nutrient strategy. I was invited to participate (along with other IAWA members representing point sources) as a stakeholder during the development of the Illinois Nutrient Loss Reduction Strategy (INLRS). The strategy identifies agriculture as the primary source of nitrogen in Illinois surface waters, and POTWs and agriculture as the primary sources of phosphorus. The strategy to reduce nutrient loading includes modifying most major POTW permits to include phosphorus discharge limits of 1 mg/l, the treatment level consistent with a 15% increase in treatment costs, as an interim measure until a water quality standard can be established.

IEPA has had difficulty developing defensible nutrient standards for streams, because stream health in Illinois generally doesn't correlate with phosphorus or nitrogen levels in streams. The INLRS identifies a scientific advisory committee of aquatic biologists who have been tasked with development of water quality standards for nutrients in Illinois. This group is expected to make recommendations by the end of 2018.

The strategy identifies two watershed groups that are addressing nutrient issues at a local watershed level, the Fox River Study Group, and the DRSCW.

The Fox River Study Group has largely concerned itself with phosphorus loads into the Fox River, and impacts of phosphorus reductions on dissolved oxygen levels that are heavily impacted by algal respiration in pools above the dams on the Fox River.

The DRSCW has focused on dam removal as a preferred approach to improve stream health. The DRSCW has attempted to correlate phosphorus levels with stream health, but the results are similar to IEPA's efforts on a state-wide basis, with no discernible relationship between stream health and phosphorus levels. Reductions in phosphorus discharge levels would not be expected to improve stream health in the local watershed. The DRSCW has identified numerous other stressors with a higher priority than phosphorus reduction, where stream health would be expected to improve with significantly smaller investments. These projects include dam removal on Salt Creek, stream habitat restoration work on the lower East Branch DuPage River, and dam modification for fish passage on the lower West Branch DuPage River.

After some negotiations, IEPA and USEPA issued NPDES permits in the watershed for the next 5-year cycle extending the compliance schedule for phosphorus limits beyond the permit term, in exchange for a commitment of resources in these higher priority river restoration efforts. The level of commitment was calculated at half of the cost of phosphorus removal, or roughly 7% of treatment costs, and is supplemented with some other nutrient control measures short of strict permit limits.

POTW members are required to maintain their membership in DRSCW as a condition of their NPDES permit. Projects and activities are identified for implementation by DRSCW, including development of a nutrient implementation plan intended to address nutrient water quality issues in the local watershed. A phosphorus permit limit consistent with the INLRS gulf-hypoxia goal is identified for the year 2025 or 2026, unless the DRSCW nutrient implementation plan identifies an alternate approach.

POTW members have controlling interest in the DRSCW, directing activities as needed to meet the commonly held permit conditions.

#### Stormwater NPDES Permit

DGSD operates under a general, or blanket, NPDES permit that applies to all industrial sites where stormwater runoff of a certain type is regulated. The most important requirement of the permit is the condition that calls for the preparation and maintenance of a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP includes a discussion of facilities and activities at the WWTC to prevent stormwater runoff pollution from impacting St. Joseph Creek.

The current permit was issued on April 5, 2017, and expires on March 31, 2022 (see attached). We updated our SWPPP on October 2, 2017 (see attached), and will submit it in the spring of 2018 as required in the permit.

#### Sludge Disposal Permit

Similar to NPDES permits, our sludge disposal permit has a 5 year cycle. The regulations imposed requiring this type of permit were enacted in 1993, at which time we were first issued a permit for sludge disposal. We have had this permit renewed 5 times since that date. There have been only minor changes in the permit over that period that have had no substantial impact on our sludge processing and disposal operations. The original application in 1993 included documentation of our existing operation, including verification with testing that we met the regulations for disposal of stockpiled sludge as a Class A product. We have continued to operate under that provision of the rule since that time.

A copy of our existing sludge disposal permit is attached. The permit expires on March 31, 2021.

C: BOLI, WCC, MGP

# IEPA PERMITS

Downers Grove Sanitary District

November 21, 2017

### 3 OPERATING PERMITS

NPDES – Main plant treated effluent - \$50,000/yr

NPDES – Stormwater from WWTC site - \$500/yr

Sludge disposal - \$2,500/yr

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# CONSTRUCTION PERMITS

Treatment plant additions / improvements

Sewer connections and extensions

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# MAIN PLANT TREATED EFFLUENT PERMIT – KEY POLLUTANTS

BOD

TSS

Ammonia

Fecal Coliform

Chlorine Residual

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# MAIN PLANT TREATED EFFLUENT PERMIT – SUPPORTING REQUIREMENTS

Certified Operator

Industrial Pretreatment

Biomonitoring

Sludge

CMOM

DRSCW / River Restoration / Nutrients

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# STORMWATER PERMIT

## Stormwater Pollution Prevention Plan



# STORMWATER PERMIT

## Stormwater Pollution Prevention Plan



# SLUDGE DISPOSAL PERMIT

Class A final product

Treatment requirements - stockpile

Testing

Reporting

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# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-2829

BRUCE RAUNER, GOVERNOR

LISA BONNETT, DIRECTOR

217/782-0610

July 31, 2015

Downers Grove Sanitary District  
2710 Curtiss Street  
P.O.Box 1412  
Downers Grove, Illinois 60515

Re: Downers Grove Sanitary District  
Downers Grove S. D. - Wastewater Treatment Center  
NPDES Permit No. IL0028380  
Final Permit

RECEIVED

AUG 3 2015

DOWNERS GROVE  
SANITARY DISTRICT

Gentlemen:

Attached is the final NPDES Permit for your discharge. The Permit as issued covers discharge limitations, monitoring, and reporting requirements. Failure to meet any portion of the Permit could result in civil and/or criminal penalties. The Illinois Environmental Protection Agency is ready and willing to assist you in interpreting any of the conditions of the Permit as they relate specifically to your discharge.

The Agency has begun a program allowing the submittal of electronic Discharge Monitoring Reports (NetDMRs) instead of paper Discharge Monitoring Reports (DMRs). If you are interested in NetDMRs, more information can be found on the Agency website, <http://epa.state.il.us/water/net-dmr/index.html>. If your facility is not registered in the NetDMR program, a supply of preprinted paper DMR Forms for your facility will be sent to you prior to the initiation of DMR reporting under the reissued permit. Additional information and instructions will accompany the preprinted DMRs upon their arrival.

The attached Permit is effective as of the date indicated on the first page of the Permit. Until the effective date of any re-issued Permit, the limitations and conditions of the previously-issued Permit remain in full effect. You have the right to appeal any condition of the Permit to the Illinois Pollution Control Board within a 35 day period following the issuance date.

Should you have questions concerning the Permit, please contact Jamie Cowles at the telephone number indicated above.

Sincerely,

Alan Keller, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

SAK:ALD:JMC:14052101jmc

Attachment: Final Permit

cc: Records  
Compliance Assurance Section  
Des Plaines Region  
Downers Grove San. Dist.-WWTP  
CMAP  
USEPA  
DuPage River Salt Creek Workgroup

NPDES Permit No. IL0028380

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date: July 31, 2020

Issue Date: July 31, 2015

Effective Date: August 1, 2015

Name and Address of Permittee:

Downers Grove Sanitary District  
2710 Curtiss Street  
P.O.Box 1412  
Downers Grove, Illinois 60515

Facility Name and Address:

Downers Grove S.D. - Wastewater Treatment Center  
5003 Walnut Avenue  
Downers Grove, Illinois 60515  
(DuPage County)

Receiving Waters: East Branch of DuPage River and St. Joseph Creek

In compliance with the provisions of the Illinois Environmental Protection Act, Subtitle C, Chapter I, and the Clean Water Act (CWA), the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.



Alan Keller, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

SAK:JMC\14052101jmc IL0028380 Downers Grove.docx

## NPDES Permit No. IL0028380

Effluent Limitations, Monitoring, and Reporting

## FINAL

Discharge Number(s) and Name(s): B01 Internal Mixing Chamber Discharge to the East Branch of the DuPage River

Load limits computed based on a design average flow (DAF) of 11.0 MGD (design maximum flow (DMF) of 22.0 MGD).

From the effective date of this Permit until the expiration date, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

Parameter	LOAD LIMITS lbs/day			CONCENTRATION			Sample Frequency	Sample Type
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Monthly Average	Daily Maximum		
Flow (MGD)							Continuous	
CBOD <sub>5</sub> *** <sup>(1)</sup>	917 (1,835)		1,835 (3,670)	10		20	2 Days/Week	Composite
Suspended Solids <sup>(1)</sup>	1,101 (2,202)		2,202 (4,404)	12		24	2 Days/Week	Composite
Chlorine Residual						0.05	2 Days/Week	Grab
Total Phosphorus as (P)*	92 (183)			1.0			1 Day/Month <sup>(2)</sup>	Composite
Ammonia Nitrogen as (N)								
April -October	138 (275)		275 (550)	1.5		3.0	2 Days/Week	Composite
November-Feb.	367 (734)		688 (1376)	4.0		7.5	2 Days/Week	Composite
March	367 (734)		734 (1468)	4.0		8.0	2 Days/Week	Composite
				Monthly Average not less than	Weekly Average not less than	Daily Minimum	Sample Frequency	Sample Type
Dissolved Oxygen								
March-July				N/A	6.0	5.0	2 Days/Week	Grab
August-February				5.5	4.0	3.5	2 Days/Week	Grab
pH	Shall be in the range of 6 to 9 Standard Units						2 Days/Week	Grab
Fecal Coliform****	Daily Maximum shall not exceed 400 per 100 mL (May through October)						2 Days/Week	Grab
Dissolved Phosphorus	Monitor Only						1 Day/Month	Composite
Total Nitrogen	Monitor Only						1 Day/Month	Composite
Nitrite/Nitrate	Monitor Only						1 Day/Month	Composite
Total Kjeldahl Nitrogen (TKN)	Monitor Only						1 Day/Month	Composite
Alkalinity	Monitor Only						1 Day/Month	Composite
Temperature	Monitor Only						1 Day/Month	Grab
Chloride	Monitor Only						1 Day/Month	Grab

(continued on next page)

NPDES Permit No. IL0028380

Effluent Limitations, Monitoring, and Reporting

FINAL

Discharge Number(s) and Name(s): B01 Internal Mixing Chamber Discharge to the East Branch of the DuPage River (continued)

\*See Special Condition 16.

\*\*Load limits based on design maximum flow shall apply only when flow exceeds design average flow.

\*\*\*Carbonaceous BOD<sub>5</sub> (CBOD<sub>5</sub>) testing shall be in accordance with 40 CFR 136.

\*\*\*\*See Special Condition 8.

Flow shall be reported on the Discharge Monitoring Report (DMR) as monthly average and daily maximum.

Fecal Coliform shall be reported on the DMR as daily maximum.

pH shall be reported on the DMR as a minimum and a maximum.

Chlorine Residual shall be reported on DMR as daily maximum value.

Total Phosphorus shall be reported on the DMR as a daily maximum and monthly average value.

Dissolved oxygen shall be reported on the DMR as a minimum value.

Total Nitrogen (calculated) shall be reported on the DMR as a daily maximum value.

Nitrite/Nitrate is the calculated sum.

<sup>1</sup> BOD<sub>5</sub> and Suspended Solids (85% removal required): In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent except as provided in Sections 133.103 and 133.105. The percent removal need not be reported to the IEPA on DMRs but influent and effluent data must be available, as required elsewhere in this Permit, for IEPA inspection and review. For measuring compliance with this requirement, 5 mg/L shall be added to the effluent CBOD<sub>5</sub> concentration to determine the effluent BOD<sub>5</sub> concentration. Percent removal is a percentage expression of the removal efficiency across a treatment plant for a given pollutant parameter, as determined from the 30-day average values of the raw wastewater influent concentrations to the facility and the 30-day average values of the effluent pollutant concentrations for a given time period.

<sup>2</sup> Upon the effective date of the phosphorus effluent limits, the sampling frequency shall increase to 1 day/week.

## NPDES Permit No. IL0028380

Effluent Limitations, Monitoring, and Reporting

## FINAL

Discharge Number(s) and Name(s): A01 Excess Flow Outfall from Excess Flow Clarifiers  
C01 Excess Flow Outfall from Intermediate Clarifier #1

Outfall A01 shall not be utilized until the main treatment facility is receiving its design maximum flow \*(Flow in excess of 15,268 gpm).  
Outfall C01 shall not be utilized until the main treatment facility is receiving its design maximum flow \*(Flow in excess of 15,268 gpm).

From the effective date of this Permit until the expiration date, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

CONCENTRATION  
LIMITS (mg/L)

<u>Parameter</u>	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Sample Frequency</u>	<u>Sample Type</u>
Total Flow (MG)			Daily When Discharging	Continuous**
BOD <sub>5</sub>		Monitor Only	Daily When Discharging	Grab
Suspended Solids		Monitor Only	Daily When Discharging	Grab
Ammonia Nitrogen (as N)		Monitor Only	Daily When Discharging	Grab
Total Phosphorus (as P)		Monitor Only	Daily When Discharging	Grab

\*An explanation shall be provided in the comment section of the DMR should these facilities be used when the main treatment facility is not receiving Design Maximum Flow (DMF). The explanation shall identify the reasons the main facility is at a diminished treatment capacity. Additionally, the Permittee shall comply with the provisions of Special Condition 17.

\*\*Estimates based on pump run time may be utilized to determine total flow.

The duration of each A01 and C01 discharge and rainfall event (i.e., start and ending time) including rainfall intensity shall be provided in the comment section of the DMR. The main treatment plant facility flow at the time that A01 and C01 Excess Flow Facilities are first utilized shall be reported in the comment section of the DMR in gallons per minute (gpm).

Total flow in million gallons shall be reported on the Discharge Monitoring Report (DMR) in the quantity maximum column.

Report the number of days of discharge in the comments section of the DMR.

BOD<sub>5</sub> and Suspended Solids shall be reported on the DMR as a daily maximum value.

Ammonia Nitrogen shall be reported on the DMR as a daily maximum value.

Total Phosphorus shall be reported on the DMR as a daily maximum value.

## NPDES Permit No. IL0028380

Effluent Limitations, Monitoring, and Reporting

## FINAL

Discharge Number(s) and Name(s): 001 Combined Discharge From Outfall A01, B01, and C01 Outfalls\*

From the effective date of this permit until the expiration date, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

<u>Parameter</u>	<u>CONCENTRATION LIMITS (mg/L)</u>		<u>Sample Frequency</u>	<u>Sample Type</u>
	<u>Monthly Average</u>	<u>Weekly Average</u>		
Total Flow (MG)			Daily When A01 or C01 is Discharging	Continuous**
Fecal Coliform	Daily Maximum Shall not Exceed 400 per 100 mL		Daily When A01 or C01 is Discharging	Grab
BOD <sub>5</sub> <sup>(1)</sup>	30	45	Daily When A01 or C01 is Discharging	Grab
Suspended Solids <sup>(1)</sup>	30	45	Daily When A01 or C01 is Discharging	Grab
pH	Shall be in the range of 6 to 9 Standard Units		Daily When A01 or C01 is Discharging	Grab
Chlorine Residual	0.75		Daily When A01 or C01 is Discharging	Grab
Ammonia Nitrogen (as N)***	Monitor Only		Daily When A01 or C01 is Discharging	Grab
Total Phosphorus (as P)	Monitor Only		Daily When A01 or C01 is Discharging	Grab
Dissolved Oxygen	Monitor Only		Daily When A01 or C01 is Discharging	Grab

Total flow in million gallons shall be reported on the Discharge Monitoring Report (DMR) in the quantity maximum column.

Report the number of days of discharge in the comments section of the DMR.

BOD<sub>5</sub> and Suspended Solids shall be reported on the Discharge Monitoring Report (DMR) as a monthly and weekly average concentration.

pH shall be reported on the Discharge Monitoring Report (DMR) as a minimum and a maximum.

Fecal Coliform shall be reported on the Discharge Monitoring Report (DMR) as Daily Maximum.

Chlorine Residual shall be reported on the Discharge Monitoring Report (DMR) as a monthly average concentration.

Total Phosphorus shall be reported on the DMR as a maximum value.

\*These limitations for this outfall are effective when flows to the main treatment plant are greater than 15,268 gpm and either or both excess flow facilities are in operation. An explanation shall be provided in the comment section of the DMR should these facilities be used when the main treatment facility is not receiving Design Maximum Flow (DMF). The explanation shall identify the reasons the main facility is at a diminished treatment capacity. Additionally, the Permittee shall comply with the provisions of Special Condition 17.

\*\*Estimates based on pump run time may be utilized to determine total flow.

\*\*\*See Special Condition 18.

Samples taken in compliance with the effluent monitoring requirements for this outfall shall be taken at a point after the excess flow effluent combines with A01 Discharge to the East Branch of the DuPage River but prior to entry into the receiving stream. Flow for each Outfall (A01 and/or C01) shall be estimated prior to combining with the discharge from Outfall B01.

<sup>1</sup> BOD<sub>5</sub> and Suspended Solids (85% removal required): In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent except as provided in Sections 133.103 and 133.105. The percent removal need not be reported to the IEPA on DMRs but influent and effluent data must be available, as required elsewhere in this Permit, for IEPA inspection and review. For measuring compliance with this requirement, 5 mg/L shall be added to the effluent CBOD<sub>5</sub> concentration to determine the effluent BOD<sub>5</sub> concentration. Percent removal is a percentage expression of the removal efficiency across a treatment plant for a given pollutant parameter, as determined from the 30-day average values of the raw wastewater influent concentrations to the facility and the 30-day average values of the effluent pollutant concentrations for a given time period.

NPDES Permit No. IL0028380

Effluent Limitations, Monitoring, and Reporting

FINAL

Discharge Number(s) and Name(s): 001 Combined Discharge From Outfall A01, B01, and C01 Outfalls (continued)

A monthly average value for ammonia shall be computed for each month that A01 or C01 discharges beginning one month after the effective date of the permit. A monthly average concentration shall be determined by combining data collected from 001 and B01 (only B01 data from days when A01 or C01 is not discharging) for the reporting period. These monitoring results shall be submitted to the Agency on the DMR. Ammonia Nitrogen shall also be reported on the DMR as a maximum value.

A monthly and weekly average value for Dissolved Oxygen (DO) shall be computed for each month that A01 or C01 discharges beginning one month after the effective date of the permit. The monthly and weekly average concentrations for 001 shall be determined by combining data collected from 001 and B01 (only B01 data from days when A01 or C01 is not discharging) for the reporting period. These monitoring results shall be submitted to the Agency on the DMR. DO shall also be reported on the DMR as a minimum value.

## NPDES Permit No. IL0028380

Effluent Limitations, Monitoring, and Reporting

## Final

Discharge Number(s) and Name(s): 002 Mixing Chamber Overflow Weir to St. Joseph Creek\*\* \*\*

From the effective date of this permit until the expiration date, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

<u>Parameter</u>	<u>CONCENTRATION LIMITS (mg/L)</u>		<u>Sample Frequency</u>	<u>Sample Type</u>
	<u>Monthly Average</u>	<u>Weekly Average</u>		
Total Flow (MG)			Daily When Discharging	Continuous
BOD <sub>5</sub> <sup>(1)</sup>	30	45	Daily When Discharging	Grab
Suspended Solids <sup>(1)</sup>	30	45	Daily When Discharging	Grab
Fecal Coliform	Daily Maximum Shall not Exceed 400 per 100 mL		Daily When Discharging	Grab
pH	Shall be in the range of 6 to 9 Standard Units		Daily When Discharging	Grab
Chlorine Residual	0.75		Daily When Discharging	Grab
Ammonia Nitrogen (as N)***	Monitor Only		Daily When Discharging	Grab
Total Phosphorus (as P)	Monitor Only		Daily When Discharging	Grab
Dissolved Oxygen	Monitor Only		Daily When Discharging	Grab

\*An explanation shall be provided in the comment section of the DMR should these facilities be used when the main treatment facility is not receiving Design Maximum Flow (DMF). The explanation shall identify the reasons the main facility is at a diminished treatment capacity. Additionally, the Permittee shall comply with the provisions of Special Condition 17.

\*\*Outfall 002 becomes operational when the combined effluent from B01 Outfall, A01 Excess Flow, and C01 Intermediate Clarifier #1 Outfalls exceed 30 MGD (the hydraulic capacity of the outfall pipe to the East Branch of the DuPage River).

Total flow in million gallons for 002 shall be reported on the Discharge Monitoring Report (DMR) in the quantity maximum column. Report the number of days of discharge in the comments section of the DMR.

BOD<sub>5</sub> and Suspended Solids shall be reported on the Discharge Monitoring Report (DMR) as a monthly and weekly average concentration.

pH shall be reported on the Discharge Monitoring Report (DMR) as a minimum and a maximum.

Fecal Coliform shall be reported on the Discharge Monitoring Report (DMR) as Daily Maximum.

Chlorine Residual shall be reported on the Discharge Monitoring Report (DMR) as a monthly average concentration.

Total Phosphorus shall be reported on the DMR as a maximum value.

Ammonia Nitrogen shall be reported on the DMR as a daily maximum value.

Dissolved oxygen shall be reported on the DMR as a minimum value.

<sup>1</sup> BOD<sub>5</sub> and Suspended Solids (85% removal required): In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent except as provided in Sections 133.103 and 133.105. The percent removal need not be reported to the IEPA on DMRs but influent and effluent data must be available, as required elsewhere in this Permit, for IEPA inspection and review. For measuring compliance with this requirement, 5 mg/L shall be added to the effluent CBOD<sub>5</sub> concentration to determine the effluent BOD<sub>5</sub> concentration. Percent removal is a percentage expression of the removal efficiency across a treatment plant for a given pollutant parameter, as determined from the 30-day average values of the raw wastewater influent concentrations to the facility and the 30-day average values of the effluent pollutant concentrations for a given time period.

\*\*\*See Special Condition 18.

## NPDES Permit No. IL0028380

Effluent Limitations, Monitoring, and Reporting

## Final

Discharge Number(s) and Name(s): 003 Excess Flow Outfall to St. Joseph Creek\* \*\*

From the effective date until the expiration date of the permit, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

<u>Parameter</u>	<u>CONCENTRATION LIMITS (mg/L)</u>		<u>Sample Frequency</u>	<u>Sample Type</u>
	<u>Monthly Average</u>	<u>Weekly Average</u>		
Total Flow (MG)			Daily When Discharging	Continuous
BOD <sub>5</sub> <sup>(1)</sup>	30	45	Daily When Discharging	Grab
Suspended Solids <sup>(1)</sup>	30	45	Daily When Discharging	Grab
Fecal Coliform	Daily Maximum Shall not Exceed 400 per 100 mL		Daily When Discharging	Grab
pH	Shall be in the range of 6 to 9 Standard Units		Daily When Discharging	Grab
Chlorine Residual	0.75		Daily When Discharging	Grab
Ammonia Nitrogen (as N)***	Monitor Only		Daily When Discharging	Grab
Total Phosphorus (as P)	Monitor Only		Daily When Discharging	Grab
Dissolved Oxygen	Monitor Only		Daily When Discharging	Grab

\* An explanation shall be provided in the comment section of the DMR should these facilities be used when the main treatment facility is not receiving Design Maximum Flow (DMF) or the design capacity of the excess flow facilities is not met. The explanation shall identify the reasons the main facility or excess flow facilities are at a diminished treatment capacity. Additionally, the Permittee shall comply with the provisions of Special Condition 17.

\*\*These limitations for this outfall are effective when flows to the main treatment plant are greater than 15,268 gpm and the excess flow facilities are in operation. Flow shall be estimated prior to discharge.

Total flow in million gallons shall be reported on the Discharge Monitoring Report (DMR) in the quantity maximum column.

Report the number of days of discharge in the comments section of the DMR.

BOD<sub>5</sub> and Suspended Solids shall be reported on the Discharge Monitoring Report (DMR) as a monthly and weekly average concentration.

pH shall be reported on the Discharge Monitoring Report (DMR) as a minimum and a maximum.

Fecal Coliform shall be reported on the Discharge Monitoring Report (DMR) as Daily Maximum.

Chlorine Residual shall be reported on the Discharge Monitoring Report (DMR) as a monthly average concentration.

Total Phosphorus shall be reported on the DMR as a maximum value.

Ammonia Nitrogen shall be reported on the DMR as a daily maximum value.

Dissolved oxygen shall be reported on the DMR as a minimum value.

<sup>1</sup> BOD<sub>5</sub> and Suspended Solids (85% removal required): In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent except as provided in Sections 133.103 and 133.105. The percent removal need not be reported to the IEPA on DMRs but influent and effluent data must be available, as required elsewhere in this Permit, for IEPA inspection and review. For measuring compliance with this requirement, 5 mg/L shall be added to the effluent CBOD<sub>5</sub> concentration to determine the effluent BOD<sub>5</sub> concentration. Percent removal is a percentage expression of the removal efficiency across a treatment plant for a given pollutant parameter, as determined from the 30-day average values of the raw wastewater influent concentrations to the facility and the 30-day average values of the effluent pollutant concentrations for a given time period.

\*\*\*See Special Condition 18.

NPDES Permit No. IL0028380

Influent Monitoring and Reporting

The influent to the plant shall be monitored as follows:

Parameter	Sample Frequency	Sample Type
Flow (MGD)	Continuous	
BOD <sub>5</sub>	2 Days/Week and Daily When Outfalls A01, C01, 002 or 003 are Discharging	Composite
Suspended Solids	2 Days/Week and Daily When Outfalls A01, C01, 002 or 003 are Discharging	Composite
Total Phosphorus (as P)	1 Day/Month	Composite
Total Nitrogen	1 Day/Month	Composite

Influent samples shall be taken at a point representative of the influent.

Flow (MGD) shall be reported on the Discharge Monitoring Report (DMR) as monthly average and daily maximum.

BOD<sub>5</sub> and Suspended Solids shall be reported on the Discharge Monitoring Report (DMR) as a monthly average concentration.

Total Phosphorus and Total Nitrogen shall be reported on the Discharge Monitoring Report (DMR) as a maximum value.

NPDES Permit No. IL0028380

Special Conditions

SPECIAL CONDITION 1. This Permit may be modified to include different final effluent limitations or requirements which are consistent with applicable laws and regulations. The IEPA will public notice the permit modification.

SPECIAL CONDITION 2. The use or operation of this facility shall be by or under the supervision of a Certified Class 1 operator.

SPECIAL CONDITION 3. The IEPA may request in writing submittal of operational information in a specified form and at a required frequency at any time during the effective period of this permit.

SPECIAL CONDITION 4. The IEPA may request more frequent monitoring by permit modification pursuant to 40 CFR § 122.63 and Without Public Notice.

SPECIAL CONDITION 5. The effluent, alone or in combination with other sources, shall not cause or contribute to a violation of any applicable water quality standard outlined in 35 Ill. Adm. Code 302.

SPECIAL CONDITION 6. Samples taken in compliance with the effluent monitoring requirements shall be taken:

- A. For Outfall Number A01 and C01: Samples for all effluent limitations and monitoring parameters applicable to Outfalls A01 and C01 shall be taken at a point representative of the discharge from Outfalls A01 or C01 and shall be taken at a point prior to admixture with discharges from Outfall B01.
- B. For Outfall Number 002 and 003 - Samples for all parameters shall be taken at a point representative of the discharge but prior to entry into the receiving stream.
- C. For Outfall Number B01 - During dry weather flows (no excess flow discharge), samples shall be taken at a point representative of the flows but prior to entry into the receiving stream. During periods when there is a discharge from Outfalls A01 and/or C01 all effluent limitations and monitoring parameter applicable to B01 shall be representative of the discharges from B01 but prior to admixture with discharges from Outfalls A01 and C01.
- D. For Outfall Number 001: Samples for all effluent limitations and monitoring parameters applicable to Outfall 001 shall be taken at a point representative of the discharge from Outfall 001 but prior to entry into the receiving stream and shall include all flow from Outfalls A01, B01, and C01. On days when there are no discharges through Outfall A01 and C01, samples for discharges through Outfall 001 shall be taken at the location of sampling for Outfall B01, and these samples shall be entered as sampled data into monthly DMR calculations for Outfall 001. When there are discharges from excess flow facilities, samples for all effluent limitations and monitoring parameters applicable to Outfall 001 shall be representative of the discharge from Outfall 001, and shall be taken at a point after flows from Outfalls A01, B01, and C01 are mixed.

SPECIAL CONDITION 7. This Permit may be modified to include requirements for the Permittee on a continuing basis to evaluate and detail its efforts to effectively control sources of infiltration and inflow into the sewer system and to submit reports to the IEPA if necessary.

SPECIAL CONDITION 8. Fecal Coliform limits for discharge point B01 are effective May thru October. Sampling of Fecal Coliform is only required during this time period.

The total residual chlorine limit is applicable at all times. If the Permittee is chlorinating for any purpose during the months of November through April, sampling is required on a daily grab basis. Sampling frequency for the months of May through October shall be as indicated on effluent limitations, monitoring and reporting page of this Permit.

SPECIAL CONDITION 9.

A. Publicly Owned Treatment Works (POTW) Pretreatment Program General Provisions

1. The Permittee shall implement and enforce its approved Pretreatment Program which was approved on June 28, 1985 and all approved subsequent modifications thereto. The Permittee shall maintain legal authority adequate to fully implement the Pretreatment Program in compliance with Federal (40 CFR 403), State, and local laws and regulations. All definitions in this section unless specifically otherwise defined in this section, are those definitions listed in 40 CFR 403.3. USEPA Region 5 is the Approval Authority for the administration of pretreatment programs in Illinois. The Permittee shall:
  - a. Develop and implement procedures to ensure compliance with the requirements of a pretreatment program as specified in 40 CFR 403.8 (f) (2).

NPDES Permit No. IL0028380

Special Conditions

- b. Carry out independent inspection and monitoring procedures at least once per year, which will determine whether each significant industrial user (SIU) is in compliance with applicable pretreatment standards;
  - c. Perform an evaluation, at least once every two (2) years, to determine whether each SIU needs a slug control plan. If needed, the SIU slug control plan shall include the items specified in 40 CFR 403.8(f)(2)(vi).
  - d. Update its inventory of Industrial Users (IUs) at least annually and as needed to ensure that all SIUs are properly identified, characterized, and categorized;
  - e. Receive and review self monitoring and other IU reports to determine compliance with all pretreatment standards and requirements, and obtain appropriate remedies for noncompliance by any IU with any pretreatment standard and/or requirement;
  - f. Investigate instances of noncompliance, collect and analyze samples, and compile other information with sufficient care as to produce evidence admissible in enforcement proceedings, including judicial action;
  - g. Require development, as necessary, of compliance schedules by each industrial user to meet applicable pretreatment standards; and,
  - h. Maintain an adequate revenue structure and staffing level for continued operation of the Pretreatment Program.
2. The Permittee shall issue/reissue permits or equivalent control mechanisms to all SIUs prior to expiration of existing permits or prior to commencement of discharge in the case of new discharges. The permits at a minimum shall include the elements listed in 40 CFR § 403.8(f)(1)(iii)(B).
  3. The Permittee shall develop, maintain, and enforce, as necessary, local limits to implement the general and specific prohibitions in 40 CFR § 403.5 which prohibit the introduction of any pollutants which cause pass through or interference and the introduction of specific pollutants to the waste treatment system from any source of nondomestic discharge.
  4. In addition to the general limitations expressed in Paragraph 3 above, applicable pretreatment standards must be met by all industrial users of the POTW. These limitations include specific standards for certain industrial categories as determined by Section 307(b) and (c) of the Clean Water Act, State limits, or local limits, whichever are more stringent.
  5. The USEPA and IEPA individually retain the right to take legal action against any industrial user and/or the POTW for those cases where an industrial user has failed to meet an applicable pretreatment standard by the deadline date regardless of whether or not such failure has resulted in a permit violation.
  6. The Permittee shall establish agreements with all contributing jurisdictions, as necessary, to enable it to fulfill its requirements with respect to all IUs discharging to its system.
  7. Unless already completed, the Permittee shall within six (6) months of the effective date of this Permit submit to USEPA and IEPA a proposal to modify and update its approved Pretreatment Program to incorporate Federal revisions to the general pretreatment regulations. The proposal shall include all changes to the approved program and the sewer use ordinance which are necessary to incorporate the revisions of the Pretreatment Streamlining Rule (which became effective on November 14, 2005), which are considered required changes, as described in the Pretreatment Streamlining Rule Fact Sheet 2.0: Required changes, available at: [http://cfpub.epa.gov/npdes/whatsnew.cfm?program\\_id=3](http://cfpub.epa.gov/npdes/whatsnew.cfm?program_id=3). This includes any necessary revisions to the Permittee's Enforcement Response Plan (ERP).
  8. Within 12 months from the effective date of this permit, the Permittee shall conduct a technical re-evaluation of its local limitations consistent with U.S. EPA's Local Limits Development Guidance (July 2004) and submit the evaluation and any proposed revisions to its local limits to IEPA and U.S. EPA Region 5 for review and approval. U.S. EPA Region 5 will request Permittee to submit the evaluation and any proposed revisions to its local limits on the spreadsheet found at <http://www.epa.gov/region5/water/npdestek/LocalLmt.xls>. To demonstrate technical justification for new local industrial user limits or justification for retaining existing limits, the following information must be submitted to U.S. EPA:
    - a. Total plant flow
    - b. Domestic/commercial pollutant contributions for pollutants of concern
    - c. Industrial pollutant contributions and flows
    - d. Current POTW pollutant loadings, including loadings of conventional pollutants
    - e. Actual treatment plant removal efficiencies, as a decimal (primary, secondary, across the wastewater treatment plant)

NPDES Permit No. IL0028380

Special Conditions

- f. Safety factor to be applied
  - g. Identification of applicable criteria:
    - i. NPDES permit conditions
      - Specific NPDES effluent limitations
      - Water-quality criteria
      - Whole effluent toxicity requirements
      - Criteria and other conditions for sludge disposal
    - ii. Biological process inhibition
      - Nitrification
      - Sludge digester
    - iii. Collection system problems
  - h. The Permittee's sludge disposal methods (land application, surface disposal, incineration, landfill)
  - i. Sludge flow to digester
  - j. Sludge flow to disposal
  - k. % solids in sludge to disposal, not as a decimal
  - l. % solids in sludge to digester, not as a decimal
  - m. Plant removal efficiencies for conventional pollutants
  - n. If revised industrial user discharge limits are proposed, the method of allocating available pollutants loads to industrial users
  - o. A comparison of maximum allowable headworks loadings based on all applicable criteria listed in g, above
  - p. Pollutants that have caused:
    - i. Violations or operational problems at the POTW, including conventional pollutants
    - ii. Fires and explosions
    - iii. Corrosion
    - iv. Flow obstructions
    - v. Increased temperature in the sewer system
    - vi. Toxic gases, vapors or fumes that caused acute worker health and safety problems
    - vii. Toxicity found through Whole Effluent Toxicity testing
    - viii. Inhibition
  - q. Pollutants designated as "monitoring only" in the NPDES permit
  - r. Supporting data, assumptions, and methodologies used in establishing the information a through q above
9. The Permittee Pretreatment Program has been modified to incorporate a Pretreatment Program Amendment approved on October 22, 1997. The amendment became effective on the date of approval and is a fully enforceable provision of your Pretreatment Program.

Modifications of your Pretreatment Program shall be submitted in accordance with 40 CFR § 403.18, which established conditions for substantial and non-substantial modifications. All requests should be sent in electronic format to [r5npdes@epa.gov](mailto:r5npdes@epa.gov), Attention: NPDES Program Branch.

**B. Reporting and Records Requirements**

1. The Permittee shall provide an annual report briefly describing the permittee's pretreatment program activities over the previous calendar year. Permittees who operate multiple plants may provide a single report providing all plant-specific reporting requirements are met. Such report shall be submitted no later than April 28 of each year to USEPA, Region 5, 77 West Jackson Blvd., Chicago, Illinois 60604, Attention: Water Enforcement & Compliance Assurance Branch, and shall be in the format set forth in IEPA's POTW Pretreatment Report Package which contains information regarding:
- a. An updated listing of the Permittee's significant industrial users, indicating additions and deletions from the previous year, along with brief explanations for deletions. The list shall specify which categorical Pretreatment standards, if any, are applicable to each Industrial User.
  - b. A descriptive summary of the compliance activities including numbers of any major enforcement actions, (i.e., administrative orders, penalties, civil actions, etc.), and the outcome of those actions. This includes an assessment of the compliance status of the Permittee's industrial users and the effectiveness of the Permittee's Pretreatment Program in meeting its needs and objectives.
  - c. A description of all substantive changes made to the Permittee's Pretreatment Program. Changes which are "substantial modifications" as described in 40 CFR § 403.18(c) must receive prior approval from the USEPA.

## NPDES Permit No. IL0028380

Special Conditions

- d. Results of sampling and analysis of POTW influent, effluent, and sludge.
  - e. A summary of the findings from the priority pollutants sampling. As sufficient data becomes available the IEPA may modify this Permit to incorporate additional requirements relating to the evaluation, establishment, and enforcement of local limits for organic pollutants. Any permit modification is subject to formal due process procedures pursuant to State and Federal law and regulation. Upon a determination that an organic pollutant is present that causes interference or pass through, the Permittee shall establish local limits as required by 40 CFR § 403.5(c).
2. The Permittee shall maintain all pretreatment data and records for a minimum of three (3) years. This period shall be extended during the course of unresolved litigation or when requested by the IEPA or the Regional Administrator of USEPA. Records shall be available to USEPA and the IEPA upon request.
  3. The Permittee shall establish public participation requirements of 40 CFR 25 in implementation of its Pretreatment Program. The Permittee shall at least annually, publish the names of all IU's which were in significant noncompliance (SNC), as defined by 40 CFR § 403.8(f)(2)(viii), in a newspaper of general circulation that provides meaningful public notice within the jurisdictions served by the Permittee or based on any more restrictive definition of SNC that the POTW may be using.
  4. The Permittee shall provide written notification to the USEPA, Region 5, 77 West Jackson Blvd., Chicago, Illinois 60604, Attention: NPDES Programs Branch and to the Deputy Counsel for the Division of Water Pollution Control, IEPA, 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 within five (5) days of receiving notice that any Industrial User of its sewage treatment plant is appealing to the Circuit Court any condition imposed by the Permittee in any permit issued to the Industrial User by Permittee. A copy of the Industrial User's appeal and all other pleadings filed by all parties shall be mailed to the Deputy Counsel within five (5) days of the pleadings being filed in Circuit Court.

C. Monitoring Requirements

1. The Permittee shall monitor its influent, effluent and sludge and report concentrations of the following parameters on monitoring report forms provided by the IEPA and include them in its annual report. Samples shall be taken at semi-annual intervals at the indicated reporting limit or better and consist of a 24-hour composite unless otherwise specified below. Sludge samples shall be taken of final sludge and consist of a grab sample reported on a dry weight basis.

STORET CODE	PARAMETER	Minimum reporting limit
01097	Antimony	0.07 mg/L
01002	Arsenic	0.05 mg/L
01007	Barium	0.5 mg/L
01012	Beryllium	0.005 mg/L
01027	Cadmium	0.001 mg/L
01032	Chromium (hex) (grab not to exceed 24 hours)*	0.01 mg/L
01034	Chromium (total)	0.05 mg/L
01042	Copper	0.005 mg/L
00718	Cyanide* (grab) (available **** or amenable to chlorination)	5.0 ug/L
00720	Cyanide (total) (grab)	5.0 ug/L
00951	Fluoride*	0.1 mg/L
01045	Iron (total)	0.5 mg/L
01046	Iron (Dissolved)*	0.5 mg/L
01051	Lead	0.05 mg/L
01055	Manganese	0.5 mg/L
71900	Mercury (effluent grab)***	1.0 ng/L**
01067	Nickel	0.005 mg/L
00556	Oil (hexane soluble or equivalent) (Grab Sample only)*	5.0 mg/L
32730	Phenols (grab)	0.005 mg/L
01147	Selenium	0.005 mg/L
01077	Silver (total)	0.003 mg/L
01059	Thallium	0.3 mg/L
01092	Zinc	0.025 mg/L

Minimum reporting limits are defined as - (1) The minimum value below which data are documented as non-detects. (2) Three to ten times the method detection limit. (3) The minimum value of the calibration range.

NPDES Permit No. IL0028380

Special Conditions

All sample containers, preservatives, holding times, analyses, method detection limit determinations and quality assurance/quality control requirements shall be in accordance with 40 CFR 136.

Unless otherwise indicated, concentrations refer to the total amount of the constituent present in all phases, whether solid, suspended or dissolved, elemental or combined, including all oxidation states.

\* Influent and effluent only

\*\*1 ng/L = 1 part per trillion.

\*\*\*Utilize USEPA Method 1631E and the digestion procedure described in Section 11.1.1.2 of 1631E, other approved methods may be used for influent (composite) and sludge.

\*\*\*\*USEPA Method OIA-1677.

2. The Permittee shall conduct an analysis for the one hundred and ten (110) organic priority pollutants identified in 40 CFR 122 Appendix D, Table II as amended. This monitoring shall be done annually and reported on monitoring report forms provided by the IEPA and shall consist of the following:

- a. The influent and effluent shall be sampled and analyzed for the one hundred and ten (110) organic priority pollutants. The sampling shall be done during a day when industrial discharges are expected to be occurring at normal to maximum levels.

Samples for the analysis of acid and base/neutral extractable compounds shall be 24-hour composites.

Five (5) grab samples shall be collected each monitoring day to be analyzed for volatile organic compounds. A single analysis for volatile pollutants (Method 624) may be run for each monitoring day by compositing equal volumes of each grab sample directly in the GC purge and trap apparatus in the laboratory, with no less than one (1) mL of each grab included in the composite.

Wastewater samples must be handled, prepared, and analyzed by GC/MS in accordance with USEPA Methods 624 and 625 of 40 CFR 136 as amended.

- b. The sludge shall be sampled and analyzed for the one hundred and ten (110) organic priority pollutants. A sludge sample shall be collected concurrent with a wastewater sample and taken as final sludge.

Sampling and analysis shall conform to USEPA Methods 624 and 625 unless an alternate method has been approved by IEPA.

- c. Sample collection, preservation and storage shall conform to approved USEPA procedures and requirements.

3. In addition, the Permittee shall monitor any new toxic substances as defined by the Clean Water Act, as amended, following notification by the IEPA or USEPA.

4. Permittee shall report any noncompliance with effluent or water quality standards in accordance with Standard Condition 12(e) of this Permit.

5. Analytical detection limits shall be in accordance with 40 CFR 136. Minimum detection limits for sludge analyses shall be in accordance with 40 CFR 503.

D. Pretreatment Reporting

USEPA Region 5 is the Approval Authority for administering the pretreatment program in Illinois. All requests for modification of pretreatment program elements should be submitted in redline/strikeout format and must be sent to USEPA at [r5npdes@epa.gov](mailto:r5npdes@epa.gov).

Permittee shall upon notice from USEPA, modify any pretreatment program element found to be inconsistent with 40 CFR 403.

SPECIAL CONDITION 10. During January of each year the Permittee shall submit annual fiscal data regarding sewerage system operations to the Illinois Environmental Protection Agency/Division of Water Pollution Control/Compliance Assurance Section. The Permittee may use any fiscal year period provided the period ends within twelve (12) months of the submission date.

Submission shall be on forms provided by IEPA titled "Fiscal Report Form For NPDES Permittees".

NPDES Permit No. IL0028380

Special Conditions

**SPECIAL CONDITION 11.** The Permittee shall conduct biomonitoring of the effluent from Discharge Number(s) B01.

**Biomonitoring**

1. Acute Toxicity - Standard definitive acute toxicity tests shall be run on at least two trophic levels of aquatic species (fish, invertebrate) representative of the aquatic community of the receiving stream. Testing must be consistent with Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (Fifth Ed.) EPA/821-R-02-012. Unless substitute tests are pre-approved; the following tests are required:
  - a. Fish - 96 hour static LC<sub>50</sub> Bioassay using fathead minnows (*Pimephales promelas*).
  - b. Invertebrate 48-hour static LC<sub>50</sub> Bioassay using *Ceriodaphnia*.
2. Testing Frequency - The above tests shall be conducted using 24-hour composite samples unless otherwise authorized by the IEPA. Samples must be collected in the 18th, 15th, 12th, and 9th month prior to the expiration date of this Permit.
3. Reporting - Results shall be reported according to EPA/821-R-02-012, Section 12, Report Preparation, and shall be submitted to IEPA, Bureau of Water, Compliance Assurance Section within one week of receipt from the laboratory. Reports are due to the IEPA no later than the 16th, 13th, 10th, and 7th month prior to the expiration date of this Permit.
4. Toxicity - Should a bioassay result in toxicity to >20% of organisms test in the 100% effluent treatment, the IEPA may require, upon notification, six (6) additional rounds of monthly testing on the affected organism(s) to be initiated within 30 days of the toxic bioassay. Results shall be submitted to IEPA within (1) week of becoming available to the Permittee. Should any of the additional bioassays result in toxicity to  $\geq 50\%$  of organisms tested in the 100% effluent treatments, the Permittee shall immediately notify IEPA in writing of the test results.
5. Toxicity Reduction Evaluation and Identification - Should the biomonitoring program identify toxicity and result in notification by IEPA, the permittee shall develop a plan for toxicity reduction evaluation and identification. The plan shall be developed and implemented in accordance with Toxicity Reduction Evaluation Guidance for Municipal Wastewater Treatment Plants, EPA/833B-99/002, and shall include an evaluation to determine which chemicals have a potential for being discharged in the plant wastewater, a monitoring program to determine their presence or absence and to identify other compounds which are not being removed by treatment, and other measures as appropriate. The Permittee shall submit to the IEPA its plan within ninety (90) days following notification by the IEPA. The Permittee shall implement the plan within ninety (90) days of notification of the permittee above or other such date as is received by letter from IEPA.

The IEPA may modify this Permit during its term to incorporate additional requirements or limitations based on the results of the biomonitoring. In addition, after review of the monitoring results and toxicity reduction evaluation, the IEPA may modify this Permit to include numerical limitations for specific toxic pollutants and additional whole effluent toxicity monitoring to confirm the results of the evaluation. Modifications under this condition shall follow public notice and opportunity for hearing.

**SPECIAL CONDITION 12.** For the duration of this Permit, the Permittee shall determine the quantity of sludge produced by the treatment facility in dry tons or gallons with average percent total solids analysis. The Permittee shall maintain adequate records of the quantities of sludge produced and have said records available for IEPA inspection. The Permittee shall submit to the IEPA, at a minimum, a semi-annual summary report of the quantities of sludge generated and disposed of, in units of dry tons or gallons (average total percent solids) by different disposal methods including but not limited to application on farmland, application on reclamation land, landfilling, public distribution, dedicated land disposal, sod farms, storage lagoons or any other specified disposal method. Said reports shall be submitted to the IEPA by January 31 and July 31 of each year reporting the preceding January thru June and July thru December interval of sludge disposal operations.

**Duty to Mitigate.** The Permittee shall take all reasonable steps to minimize any sludge use or disposal in violation of this Permit.

Sludge monitoring must be conducted according to test procedures approved under 40 CFR 136 unless otherwise specified in 40 CFR 503, unless other test procedures have been specified in this Permit.

**Planned Changes.** The Permittee shall give notice to the IEPA on the semi-annual report of any changes in sludge use and disposal.

The Permittee shall retain records of all sludge monitoring, and reports required by the Sludge Permit as referenced in Standard Condition 25 for a period of at least five (5) years from the date of this Permit.

NPDES Permit No. IL0028380

Special Conditions

If the Permittee monitors any pollutant more frequently than required by the Sludge Permit, the results of this monitoring shall be included in the reporting of data submitted to the IEPA.

The Permittee shall comply with existing federal regulations governing sewage sludge use or disposal and shall comply with all existing applicable regulations in any jurisdiction in which the sewage sludge is actually used or disposed.

The Permittee shall comply with standards for sewage sludge use or disposal established under Section 405(d) of the CWA within the time provided in the regulations that establish the standards for sewage sludge use or disposal even if the permit has not been modified to incorporate the requirement.

The Permittee shall ensure that the applicable requirements in 40 CFR Part 503 are met when the sewage sludge is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator.

Monitoring reports for sludge shall be reported on the form titled "Sludge Management Reports" to the following address:

Illinois Environmental Protection Agency  
Bureau of Water  
Compliance Assurance Section  
Mail Code #19  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

SPECIAL CONDITION 13. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.

The Permittee may choose to submit electronic DMRs (NetDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/net-dmr/index.html>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 25th day of the following month, unless otherwise specified by the permitting authority.

Permittees not using NetDMRs shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Attention: Compliance Assurance Section, Mail Code # 19  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

SPECIAL CONDITION 14. This Permit may be modified to include alternative or additional final effluent limitations pursuant to an approved Total Maximum Daily Load (TMDL) Study or upon completion of an alternate East Branch of DuPage River Water Quality Study.

SPECIAL CONDITION 15. The Permittee shall work towards the goals of achieving no discharges from sanitary sewer overflows or basement back-ups and ensuring that overflows or back-ups, when they do occur do not cause or contribute to violations of applicable standards or cause impairment in any adjacent receiving water. Overflows from sanitary sewers are expressly prohibited by this permit and by Ill. Adm. Code 306.304. In order to accomplish these goals of complying with this prohibition and mitigating the adverse impacts of any such overflows if they do occur, the Permittee shall (A) identify, monitor, and report to IEPA all SSOs that do occur, and (B) develop, implement and submit to the IEPA a Capacity, Management, Operations, and Maintenance (CMOM) plan which includes an Asset Management strategy within 12 months of the effective date of this Permit or review and revise any existing plan accordingly. The Permittee shall modify the Plan to incorporate any comments that it receives from IEPA and shall implement the modified plan as soon as possible. The Permittee should work as appropriate, in consultation with affected authorities at the local, county, and/or state level to develop the plan components involving third party notification of overflow events. The Permittee may be required to construct additional

NPDES Permit No. IL0028380

Special Conditions

sewage transport and/or treatment facilities in future permits or other enforceable documents should the implemented CMOM plan indicate that the Permittee's facilities are not capable of conveying and treating the flow for which they are designed.

The CMOM plan shall include the following elements:

A. Measures and Activities:

1. A complete map and system inventory for the collection system owned and operated by the Permittee;
2. Organizational structure; budgeting; training of personnel; legal authorities; schedules for maintenance, sewer system cleaning, and preventative rehabilitation; checklists, and mechanisms to ensure that preventative maintenance is performed on equipment owned and operated by the Permittee;
3. Documentation of unplanned maintenance;
4. An assessment of the capacity of the collection and treatment system owned and operated by the Permittee at critical junctions and immediately upstream of locations where overflows and backups occur or are likely to occur; use flow monitoring as necessary;
5. Identification and prioritization of structural deficiencies in the system owned and operated by the Permittee;
6. Operational control, including documented system control procedures, scheduled inspections and testing;
7. The Permittee shall develop and implement an Asset Management strategy to ensure the long-term sustainability of the collection system. Asset Management shall be used to assist the Permittee in making decisions on when it is most appropriate to repair, replace or rehabilitate particular assets and develop long-term funding strategies; and
8. Asset Management shall include but is not limited to the following elements:
  - a. Asset Inventory and State of the Asset;
  - b. Level of Service;
  - c. Critical Asset Identification;
  - d. Life Cycle Cost; and
  - e. Long-Term Funding Strategy.

B. Design and Performance Provisions:

1. Monitor the effectiveness of CMOM;
2. Upgrade the elements of the CMOM plan as necessary; and
3. Maintain a summary of CMOM activities.

C. Overflow Response Plan:

1. Know where overflows and back-ups within the facilities owned and operated by the Permittee occur;
2. Respond to each overflow or back-up to determine additional actions such as clean up; and
3. Locations where basement back-ups and/or sanitary sewer overflows occur shall be evaluated as soon as practicable for excessive inflow/infiltration, obstructions or other causes of overflows or back-ups as set forth in the System Evaluation Plan.

D. System Evaluation Plan:

1. Summary of existing SSO and Excessive I/I areas in the system and sources of contribution;
2. Evaluate plans to reduce I/I and eliminate SSOs;
3. Special provisions for Pump Stations and force mains and other unique system components; and
4. Construction plans and schedules for correction.

E. Reporting and Monitoring Requirements:

1. Program for SSO detection and reporting; and
2. Program for tracking and reporting basement back-ups, including general public complaints.

F. Third Party Notice Plan:

1. Describes how, under various overflow scenarios, the public, as well as other entities, would be notified of overflows within the Permittee's system that may endanger public health, safety or welfare;
2. Identifies overflows within the Permittee's system that would be reported, giving consideration to various types of events including events with potential widespread impacts;
3. Identifies who shall receive the notification;

## NPDES Permit No. IL0028380

Special Conditions

4. Identifies the specific information that would be reported including actions that will be taken to respond to the overflow;
5. Includes a description of the lines of communication; and
6. Includes the identities and contact information of responsible POTW officials and local, county, and/or state level officials.

For additional information concerning USEPA CMOM guidance and Asset Management please refer to the following web site addresses.  
[http://www.epa.gov/npdes/pubs/cmom\\_guide\\_for\\_collection\\_systems.pdf](http://www.epa.gov/npdes/pubs/cmom_guide_for_collection_systems.pdf) and  
[http://water.epa.gov/type/watersheds/wastewater/upload/guide\\_smallsystems\\_assetmanagement\\_bestpractices.pdf](http://water.epa.gov/type/watersheds/wastewater/upload/guide_smallsystems_assetmanagement_bestpractices.pdf)

SPECIAL CONDITION 16.DuPage River/Salt Creek Special Requirements

1. The Permittee shall participate in the DuPage River Salt Creek Workgroup (DRSCW). The Permittee shall work with other watershed members of the DRSCW to determine the most cost effective means to remove dissolved oxygen (DO) and offensive condition impairments in the DRSCW watersheds.
2. The Permittee shall ensure that the following projects and activities set out in the DRSCW Implementation Plan (April 16, 2015), are completed (either by the permittee or through the DRSCW) by the schedule dates set forth below; and that the short term objectives are achieved for each by the time frames identified below:

<b>Project Name</b>	<b>Completion Date</b>	<b>Short Term Objectives</b>	<b>Long Term Objectives</b>
Oak Meadows Golf Course dam removal	December 31, 2016	Improve DO	Improve fish passage
Oak Meadows Golf Course stream restoration	December 31, 2017	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi
Fawell Dam Modification	December 31, 2018	Modify dam to allow fish passage	Raise fiBi upstream of structure
Spring Brook Restoration and dam removal	December 31, 2019	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi
Fullersburg Woods dam modification concept plan development	December 31, 2016	Identify conceptual plan for dam modification and stream restoration	Build consensus among plan stakeholders
Fullersburg Woods dam modification	December 31, 2021	Improve DO, improve aquatic habitat (QHEI)	Raise miBi and fiBi
Fullersburg Woods dam modification area stream restoration	December 31, 2022	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi

## NPDES Permit No. IL0028380

Special Conditions

Southern West Branch Physical Enhancement	December 31, 2022	Improve aquatic habitat (QHEI)	Raise miBi and fiBi
Southern East Branch Stream Enhancement	December 31, 2023	Improve aquatic habitat (QHEI), reduce inputs of nutrients and sediment	Raise miBi and fiBi
QUAL 2K East Branch and Salt Creek	December 31, 2023	Collect new baseline data and update model	Quantify improvements in watershed. Identify next round of projects for years beyond 2024.
NPS Phosphorus Feasibility Analysis	December 31, 2021	Assess NPS performance from reductions leaf litter and street sweeping	Reduce NPS contributions to lowest practical levels

3. The Permittee shall participate in implementation of a watershed Chloride Reduction Program, either directly or through the DRSCW. The program shall work to decrease DRSCW watershed public agency chloride application rates used for winter road safety, with the objective of decreasing watershed chloride loading. The Permittee shall submit an annual report on the annual implementation of the program identifying the practices deployed, chloride application rates, estimated reductions achieved, analyses of watershed chloride loads, precipitation, air temperature conditions and relative performance compared to a baseline condition. The report shall be provided to the Agency by March 31 of each year reflecting the Chloride Abatement Program performance for the preceding year (example: 2015-16 winter season report shall be submitted no later than March 31, 2017). The Permittee may work cooperatively with the DRSCW to prepare a single annual progress report that is common among DRSCW permittees.
4. The Permittee shall submit an annual progress report on the projects listed in the table of paragraph 2 above to the Agency by March 31 of each year. The report shall include project implementation progress. The Permittee may work cooperatively with the DRSCW to prepare a single annual progress report that is common among DRSCW permittees.
5. The Permittee shall develop a written Phosphorus Discharge Optimization Plan. In developing the plan, the Permittee shall evaluate a range of measures for reducing phosphorus discharges from the treatment plant, including possible source reduction measures, operational improvements, and minor low cost facility modifications that will optimize reductions in phosphorus discharges from the wastewater treatment facility. The permittee's evaluation shall include, but not necessarily be limited to, an evaluation of the following optimization measures:
  - a. WWTF influent reduction measures.
    - i. Evaluate the phosphorus reduction potential of users.
    - ii. Determine which sources have the greatest opportunity for reducing phosphorus (e.g., industrial, commercial, institutional, municipal, and others).
      1. Determine whether known sources (e.g., restaurant and food preparation) can adopt phosphorus minimization and water conservation plans.
      2. Evaluate implementation of local limits on influent sources of excessive phosphorus.
  - b. WWTF effluent reduction measures.
    - i. Reduce phosphorus discharges by optimizing existing treatment processes without causing non-compliance with permit effluent limitations or adversely impacting stream health.
      1. Adjust the solids retention time for biological phosphorus removal.
      2. Adjust aeration rates to reduce DO and promote biological phosphorus removal.

NPDES Permit No. IL0028380

Special Conditions

3. Change aeration settings in plug flow basins by turning off air or mixers at the inlet side of the basin system.
  4. Minimize impact on recycle streams by improving aeration within holding tanks.
  5. Adjust flow through existing basins to enhance biological nutrient removal.
  6. Increase volatile fatty acids for biological phosphorus removal.
6. Within 24 months of the effective date of this permit, the Permittee shall finalize the written Phosphorus Discharge Optimization Evaluation Plan and submit it to IEPA. The plan shall include a schedule for implementing all of the evaluated optimization measures that can practically be implemented and include a report that explains the basis for rejecting any measure that was deemed impractical. The schedule for implementing all practical measures shall be no longer than 36 months after the effective date of this permit. The Permittee shall implement the measures set forth in the Phosphorus Discharge Optimization Plan in accordance with the schedule set forth in that Plan. The Permittee shall modify the Plan to address any comments that it receives from IEPA and shall implement the modified plan in accordance with the schedule therein.
- Annual progress reports on the optimization of the existing treatment facilities shall be submitted to the Agency by March 31 of each year beginning 24 months from the effective date of the permit.
7. The Permittee shall, within 24 months of the effective date of this permit, complete a feasibility study that evaluates the timeframe, and construction and O & M costs of reducing phosphorus levels in its discharge to a level consistently meeting a limit of 1 mg/L, 0.5 mg/L and 0.1 mg/L utilizing a range of treatment technologies including, but not necessarily limited to, biological phosphorus removal, chemical precipitation, or a combination of the two. The study shall evaluate the construction and O & M costs of the different treatment technologies for these limits on a monthly, seasonal, and annual average basis. For each technology and each phosphorus discharge level evaluated, the study shall also evaluate the amount by which the Permittee's typical household annual sewer rates would increase if the Permittee constructed and operated the specific type of technology to achieve the specific phosphorus discharge level. Within 24 months of the effective date of this Permit, the Permittee shall submit to the Agency and the DRSCW a written report summarizing the results of the study.
8. Total phosphorus in the effluent shall be limited as follows:
- a. If the Permittee will use chemical precipitation to achieve the limit, the effluent limitation shall be 1.0 mg/L on a monthly average basis, effective 10 years after the effective date of this permit unless the Agency approves and reissues or modifies the permit to include an alternate phosphorus reduction program pursuant to paragraph c or d below that is fully implemented within 10 years of the effective date of this permit.
  - b. If the Permittee will primarily use biological phosphorus removal to achieve the limit, the effluent limitation shall be 1.0 mg/L monthly average to be effective 11 years after the effective date of this permit unless the Agency approves and reissues or modifies the permit to include an alternate phosphorus reduction program pursuant to paragraph c or d below that is fully implemented within 11 years of the effective date of this permit.
  - c. The Agency may modify this permit if the DRSCW has developed and implemented a trading program for POTWs in the DRSCW watersheds, providing for reallocation of allowed phosphorus loadings between two or more POTWs in the DRSCW watersheds, that delivers the same results of overall watershed phosphorus point-source reduction and loading anticipated from the uniform application of the applicable 1.0 mg/L monthly average effluent limitation among the POTW permits in the DRSCW watersheds and removes DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 IL Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 IL Adm. Code 302.203.
  - d. The Agency may modify this permit if the DRSCW has demonstrated and implemented an alternate means of reducing watershed phosphorus loading to a comparable result within the timeframe of the schedule of this condition and removes DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 IL Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 IL Adm. Code 302.203.
9. The Permittee shall monitor the wastewater effluent, consistent with the monitoring requirements on Page 2 of this permit, for total phosphorus, dissolved phosphorus, nitrate/nitrite, total Kjeldahl nitrogen (TKN), ammonia, total nitrogen (calculated), alkalinity and temperature at least once a month. The Permittee shall monitor the wastewater influent for total phosphorus and total nitrogen at least once a month. The results shall be submitted on NetDMRs to the Agency unless otherwise specified by the Agency.
10. The Permittee shall submit a Nutrient Implementation Plan (NIP) for the DRSCW watersheds that identifies phosphorus input reductions by point source discharges, non-point source discharges and other measures necessary to remove DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 IL Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 IL Adm. Code 302.203. The NIP

NPDES Permit No. IL0028380

Special Conditions

shall also include a schedule for implementation of the phosphorus input reductions and other measures. The Permittee may work cooperatively with the DRSCW to prepare a single NIP that is common among DRSCW permittees. The NIP shall be submitted to the Agency by December 31, 2023.

SPECIAL CONDITION 17. The provisions of 40 CFR Section 122.41(m) & (n) are incorporated herein by reference.

SPECIAL CONDITION 18. The Agency shall consider all monitoring data submitted by the discharger in accordance with the monitoring requirements of this permit for all parameters, including but not limited to data pertaining to ammonia and dissolved oxygen for discharges from Discharge Number 001, 002, or 003 to determine whether the discharges are at levels which cause, have the reasonable potential to cause or contribute to exceedances of water quality standards; and, if so, to develop appropriate water quality based effluent limitations. If the discharger wants the Agency to consider mixing when determining the need for and establishment of water quality based effluent limitations, the discharger shall submit a study plan on mixing to the Agency for the Agency's review and comment within two (2) months of the effective date of this Permit.

## Attachment H

### Standard Conditions

#### Definitions

**Act** means the Illinois Environmental Protection Act, 415 ILCS 5 as Amended.

**Agency** means the Illinois Environmental Protection Agency.

**Board** means the Illinois Pollution Control Board.

**Clean Water Act** (formerly referred to as the Federal Water Pollution Control Act) means Pub. L 92-500, as amended. 33 U.S.C. 1251 et seq.

**NPDES** (National Pollutant Discharge Elimination System) means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 402, 318 and 405 of the Clean Water Act.

**USEPA** means the United States Environmental Protection Agency.

**Daily Discharge** means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

**Maximum Daily Discharge Limitation** (daily maximum) means the highest allowable daily discharge.

**Average Monthly Discharge Limitation** (30 day average) means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

**Average Weekly Discharge Limitation** (7 day average) means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

**Best Management Practices** (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

**Aliquot** means a sample of specified volume used to make up a total composite sample.

**Grab Sample** means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

**24-Hour Composite Sample** means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period.

**8-Hour Composite Sample** means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8-hour period.

**Flow Proportional Composite Sample** means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot.

- (1) **Duty to comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirements.
- (2) **Duty to reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, this permit shall continue in full force and effect until the final Agency decision on the application has been made.
- (3) **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (4) **Duty to mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
- (5) **Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up, or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.
- (6) **Permit actions.** This permit may be modified, revoked and reissued, or terminated for cause by the Agency pursuant to 40 CFR 122.62 and 40 CFR 122.63. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- (7) **Property rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.
- (8) **Duty to provide information.** The permittee shall furnish to the Agency within a reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency upon request, copies of records required to be kept by this permit.

- (9) **Inspection and entry.** The permittee shall allow an authorized representative of the Agency or USEPA (including an authorized contractor acting as a representative of the Agency or USEPA), upon the presentation of credentials and other documents as may be required by law, to:
- Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
  - Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
  - Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
  - Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.
- (10) **Monitoring and records.**
- Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
  - The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of this permit, measurement, report or application. Records related to the permittee's sewage sludge use and disposal activities shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503). This period may be extended by request of the Agency or USEPA at any time.
  - Records of monitoring information shall include:
    - The date, exact place, and time of sampling or measurements;
    - The individual(s) who performed the sampling or measurements;
    - The date(s) analyses were performed;
    - The individual(s) who performed the analyses;
    - The analytical techniques or methods used; and
    - The results of such analyses.
  - Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. Where no test procedure under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.
- (11) **Signatory requirement.** All applications, reports or information submitted to the Agency shall be signed and certified.
- Application.** All permit applications shall be signed as follows:
    - For a corporation: by a principal executive officer of at least the level of vice president or a person or position having overall responsibility for environmental matters for the corporation;
    - For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
    - For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.
  - Reports.** All reports required by permits, or other information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly

authorized representative only if:

- The authorization is made in writing by a person described in paragraph (a); and
  - The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility; and
  - The written authorization is submitted to the Agency.
- (c) **Changes of Authorization.** If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of (b) must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.
- (d) **Certification.** Any person signing a document under paragraph (a) or (b) of this section shall make the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(12) **Reporting requirements.**

- Planned changes.** The permittee shall give notice to the Agency as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required when:
  - The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source pursuant to 40 CFR 122.29 (b); or
  - The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements pursuant to 40 CFR 122.42 (a)(1).
  - The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- Anticipated noncompliance.** The permittee shall give advance notice to the Agency of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- Transfers.** This permit is not transferable to any person except after notice to the Agency.
- Compliance schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
- Monitoring reports.** Monitoring results shall be reported at the intervals specified elsewhere in this permit.
  - Monitoring results must be reported on a Discharge Monitoring Report (DMR).

- (2) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
  - (3) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Agency in the permit.
  - (f) **Twenty-four hour reporting.** The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24-hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and time; and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The following shall be included as information which must be reported within 24-hours:
    - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit.
    - (2) Any upset which exceeds any effluent limitation in the permit.
    - (3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Agency in the permit or any pollutant which may endanger health or the environment.

The Agency may waive the written report on a case-by-case basis if the oral report has been received within 24-hours.
  - (g) **Other noncompliance.** The permittee shall report all instances of noncompliance not reported under paragraphs (12) (d), (e), or (f), at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (12) (f).
  - (h) **Other information.** Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in any report to the Agency, it shall promptly submit such facts or information.
- (13) **Bypass.**
- (a) Definitions.
    - (1) Bypass means the intentional diversion of waste streams from any portion of a treatment facility.
    - (2) Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
  - (b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs (13)(c) and (13)(d).
  - (c) Notice.
    - (1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.
    - (2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph (12)(f) (24-hour notice).
  - (d) Prohibition of bypass.
    - (1) Bypass is prohibited, and the Agency may take enforcement action against a permittee for bypass, unless:
      - (i) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
      - (ii) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
      - (iii) The permittee submitted notices as required under paragraph (13)(c).
    - (2) The Agency may approve an anticipated bypass, after considering its adverse effects, if the Agency determines that it will meet the three conditions listed above in paragraph (13)(d)(1).
- (14) **Upset.**
- (a) Definition. Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
  - (b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph (14)(c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
  - (c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
    - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
    - (2) The permitted facility was at the time being properly operated; and
    - (3) The permittee submitted notice of the upset as required in paragraph (12)(f)(2) (24-hour notice).
    - (4) The permittee complied with any remedial measures required under paragraph (4).
  - (d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.
- (15) **Transfer of permits.** Permits may be transferred by modification or automatic transfer as described below:
- (a) Transfers by modification. Except as provided in paragraph (b), a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued pursuant to 40 CFR 122.62 (b) (2), or a minor modification made pursuant to 40 CFR 122.63 (d), to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act.

- (b) Automatic transfers. As an alternative to transfers under paragraph (a), any NPDES permit may be automatically transferred to a new permittee if:
  - (1) The current permittee notifies the Agency at least 30 days in advance of the proposed transfer date;
  - (2) The notice includes a written agreement between the existing and new permittees containing a specified date for transfer of permit responsibility, coverage and liability between the existing and new permittees; and
  - (3) The Agency does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement.
- (16) All manufacturing, commercial, mining, and silvicultural dischargers must notify the Agency as soon as they know or have reason to believe:
  - (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant identified under Section 307 of the Clean Water Act which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
    - (1) One hundred micrograms per liter (100 ug/l);
    - (2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6 dinitrophenol; and one milligram per liter (1 mg/l) for antimony.
    - (3) Five (5) times the maximum concentration value reported for that pollutant in the NPDES permit application; or
    - (4) The level established by the Agency in this permit.
  - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the NPDES permit application.
- (17) All Publicly Owned Treatment Works (POTWs) must provide adequate notice to the Agency of the following:
  - (a) Any new introduction of pollutants into that POTW from an indirect discharge which would be subject to Sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants; and
  - (b) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
  - (c) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.
- (18) If the permit is issued to a publicly owned or publicly regulated treatment works, the permittee shall require any industrial user of such treatment works to comply with federal requirements concerning:
  - (a) User charges pursuant to Section 204 (b) of the Clean Water Act, and applicable regulations appearing in 40 CFR 35;
  - (b) Toxic pollutant effluent standards and pretreatment standards pursuant to Section 307 of the Clean Water Act; and
  - (c) Inspection, monitoring and entry pursuant to Section 308 of the Clean Water Act.
- (19) If an applicable standard or limitation is promulgated under Section 301(b)(2)(C) and (D), 304(b)(2), or 307(a)(2) and that effluent standard or limitation is more stringent than any effluent limitation in the permit, or controls a pollutant not limited in the permit, the permit shall be promptly modified or revoked, and reissued to conform to that effluent standard or limitation.
- (20) Any authorization to construct issued to the permittee pursuant to 35 Ill. Adm. Code 309.154 is hereby incorporated by reference as a condition of this permit.
- (21) The permittee shall not make any false statement, representation or certification in any application, record, report, plan or other document submitted to the Agency or the USEPA, or required to be maintained under this permit.
- (22) The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed \$25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than one year, or both. Additional penalties for violating these sections of the Clean Water Act are identified in 40 CFR 122.41 (a)(2) and (3).
- (23) The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or both.
- (24) The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.
- (25) Collected screening, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into waters of the State. The proper authorization for such disposal shall be obtained from the Agency and is incorporated as part hereof by reference.
- (26) In case of conflict between these standard conditions and any other condition(s) included in this permit, the other condition(s) shall govern.
- (27) The permittee shall comply with, in addition to the requirements of the permit, all applicable provisions of 35 Ill. Adm. Code, Subtitle C, Subtitle D, Subtitle E, and all applicable orders of the Board or any court with jurisdiction.
- (28) The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit is held invalid, the remaining provisions of this permit shall continue in full force and effect.



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-2829

PAT QUINN, GOVERNOR

LISA BONNETT, DIRECTOR

December 18, 2013

Dear eDMR User/NPDES Permittee:

In January 2014, Oracle will release a mandatory update to the Java software platform utilized by all personal computers accessing the Illinois EPA's eDMR application. It is Illinois EPA's understanding that this Java software patch is designed to correct some general security issues with authentication and authorization on all internet applications including eDMR. However, Illinois EPA has determined the Java update could cause a major interruption by preventing users from logging into the Illinois EPA eDMR system going forward.

Coincidentally, the IEPA has already begun transitioning facilities to another DMR reporting program - NetDMR. NetDMR is a Web-based tool that allows NPDES permittees to electronically sign and submit their discharge monitoring reports (DMRs). NetDMR is a substantial improvement over eDMR. It is reliable, efficient, user friendly and has a direct link to ICIS. As of 12/17/2013, there were 108 NetDMR users in Illinois.

Significant efforts are being made to address the Java update issue. It is, however likely, that the eDMR system will not be accessible, for an extended period of time, beginning in January once Oracle completes the Java update. As a result of this pending event, and should access to eDMR be disrupted, Illinois EPA proposes the following actions be taken by users of this application:

- Utilize NetDMR to electronically report your monthly DMR data. IEPA strongly encourages you to transition to NetDMR as soon as possible, however due to the eDMR systems unreliable status you must transition to NetDMR no later than 03/31/2014. In case you need assistance with this transition the Agency staff is here to assist you. A detailed step-by-step outline of the process is attached to this letter. See **Attachment A** for further details regarding the NetDMR PC/Internet Requirements, Steps to Register, Request Access and Use NetDMR and online training materials.
- If you are unable to immediately begin reporting utilizing NetDMR, a three month supply of hardcopy paper preprinted DMRs has been provided for your convenience. See **Attachment B** for further detail.

Thank you for your prompt attention to this unexpected DMR reporting issue. If you have any questions/concerns or need further assistance, please feel free to contact our NetDMR coordinator by email at [EPA.NetDMR@illinois.gov](mailto:EPA.NetDMR@illinois.gov) or by phone at (217) 557-3045.

Sincerely,

A handwritten signature in cursive script that reads "Marcia J. Willhite".

Marcia Willhite  
Chief, Bureau of Water

## **ATTACHEMENT A**

The USEPA is currently in the process of mandating an electronic reporting requirement for all National Pollutant Discharge Elimination System (NPDES) permits and has purposed the NPDES Electronic Reporting Rule (E-Reporting Rule) –

<https://www.federalregister.gov/articles/2013/07/30/2013-17551/npdes-electronic-reporting-rule>

This E-Reporting Rule will require all NPDES permit holders to electronically submit, via the internet; Discharge Monitoring Reports (DMRs), Program Reports, and Notices of Intent (NOIs) to discharge in compliance with a general permit. The purposed E-Reporting Rule is designed to save time/money, make reporting easier/more convenient, and streamline permit renewals. The goal of the E-Reporting Rule is to obtain a more complete, accurate, and nationally-consistent set of data about the NPDES Program.

The Illinois Environmental Protection Agency (IEPA), in compliance with the proposed federal Electronic Reporting Rule, will begin transitioning all NPDES Permit Holders to report their monthly Discharge Monitoring Data electronically via NetDMR. NetDMR is a Web-based tool that allows NPDES permittees to electronically sign and submit their discharge monitoring reports (DMRs) to EPA's Integrated Compliance Information System (ICIS-NPDES) via the Central Data Exchange (CDX) node on the Environmental Information Exchange Network.

To further assist in the transition, the steps needed to gain access and report your DMR data utilizing NetDMR are below.

### **NetDMR PC and Internet Requirements**

- Pentium III/IV or equivalent processor
- 128 MB RAM (512 MB recommended)
- Monitor with resolution of at least 800x600
- Internet access - High-speed access to the Internet, such as DSL, cable-modem, T1, or partial T1
- Microsoft Internet Explorer 6.0 or above with settings:
  - JavaScript enabled
  - Session cookies enabled
  - Pop-up blockers disabled

### **Steps For Registering/Requesting Access to NetDMR**

#### **Step 1: Register for NetDMR:**

- Go to <https://netdmr.epa.gov/netdmr/public/home.htm> and select Illinois EPA.
- From the *NetDMR Login* page click register for a new account.

- Fill out the required information on the *Create a NetDMR Account* page and click Submit. (Be sure to select Permittee User as the Type of User. For more information on types of users see the link to our training materials below.)
- Confirm that the information is correct on the *Verify NetDMR Account Request* page and click Verify.
- You will receive an email from NetDMR in the email account you provided; click on the link in the email.
- The *Complete NetDMR Account Creation Process* page will open.
- Answer the security question, create a password for the account, and enter the password a second time.
- Click Submit to complete the create account process.
- Once the IEPA approves your account you will receive an email. You are now approved to login to NetDMR.

## **Step 2: Request Access to Your Permit(s):**

- Go to <https://netdmr.epa.gov/netdmr/public/home.htm> and select Illinois EPA.
- From the *NetDMR Login* page enter your User ID and password.
- Click on Request Access at the top of the NetDMR Home page and the *Request Access to Permits and Associated DMRs* page will appear.
- Enter the 9 character Permit ID that you would like to have access to and click Update.
- Click the box next to Roles and click on Signatory.

**NOTE: The first person to request access for a permit must request Signatory access and be approved. They will also be given the Permit Administrator role. Once the first Permit Administrator/Signatory has been approved, others at the facility can register and request various roles/access from that Permit Administrator.**

Go to the NetDMR National Installation Permittee and Data Provider Users Guide <http://www.epa.gov/netdmr/permittees/index.html> for further details.

- Click Add Request.
- Verify that the request has been added to the Access Requests table at the bottom of the page then click Submit.
- The *Additional Information Required* page will appear.
- Enter the Employer's Relationship and select the appropriate statement. If you have been given authority by another, provide their Name and Title.
- Click Submit.
- The *Confirm Access Requests* page will be displayed. Review the information and click Confirm.
- Make sure your printer is ready then click on Print Subscriber Agreement.
- Fill out any information requested on the printed Subscriber Agreement, sign it, and mail it to the address listed at the bottom of the document.

- Once your Subscriber Agreement has been received and the IEPA has granted your access requests you will receive an email. You can now have access to your permit on NetDMR.

**Step 3: NetDMR Guidance Documents and Training Resources:**

- While you are waiting for your access requests to be processed you can visit the link below to access NetDMR Guidance Documents and Training resources to become more familiar with the NetDMR system and how to enter DMRs:
  - ❖ <http://www.epa.gov/netdmr/permittees/index.html>
  - ❖ <http://www.epa.gov/netdmr/about/training.html>

**Step 4: Begin Using NetDMR:**

- Once you have been granted your access requests you are able to enter, sign, and submit DMRs as well as approve others who request access to your permit. For information on any of these activities view our training materials at the website above.

# **NetDMR Permittee Registration/Access Checklist**

## **Net DMR Account setup:**

- ☐ NetDMR Account Application
- ☐ Account Approval Email Received \_\_\_\_\_

## **Access Request (Signatory/Permit Administrator):**

- ☐ Roles Request Submitted
- ☐ Subscriber Agreement completed and mailed to IEPA
- ☐ Roles Approval Email Received \_\_\_\_\_

## **Begin reporting Monthly DMR data using NetDMR**

- ☐ Enter/Verify/Sign monthly DMR data utilizing NetDMR

## **NOTES:**

**\*\*\*For additional assistance, please contact our NetDMR coordinator by email at [EPA.NetDMR.Coordinator@illinois.gov](mailto:EPA.NetDMR.Coordinator@illinois.gov) or by phone at (217) 557-3045.**

## **ATTACHEMENT B**

**Bureau of Water  
National Pollutant Discharge Elimination System  
Preprinted DMR Transmittal**

Enclosed is a supply of preprinted Discharge Monitoring Reports (DMR). These will help assist you in meeting the self-monitoring and reporting requirements of your NPDES permit. The DMR identifies which parameters are required to be monitored and specifically how they should be reported.

Please read the attached guidance documentation before completing your DMR. You are required to follow the requirements for reporting as stated in your NPDES permit. DMR's may be typed or handwritten. If completing by hand, please use black ink and print legibly. Complete the DMR precisely in accordance with the attached guidelines to ensure proper processing. If your DMR does not conform to the guidelines, it will be returned and you will be given a reasonable amount of time in which to resubmit. Corrections on DMR's that have to be resubmitted should be made to all copies of the DMR. Please note that, DMR's which do not conform to the established DMR Guidelines could result in reporting violations.

After completion of the DMR, please sign and submit one original along with one copy, unfolded and unstapled to:

**Illinois EPA  
BOW/CAS #19  
1021 N Grand Ave East  
PO Box 19276  
Springfield, IL 62794-9276**

Retain one copy for records purposes. If discrepancies exist, or you are in need of a supply of DMR's please contact us at (217)782-9720.

## **Instructions For The Completion Of Discharge Monitoring Reports**

**\*\* Submit all DMR forms for the correct month of interest. If you did not sample and/or have no data to report on a particular page of the DMR, please explain in the comment section. Be sure that forms for all required monitoring are submitted.**

1. **Permittee Name & Facility Address:** This information can be found within your NPDES permit.
2. **NPDES Permit Number:** The NPDES permit number can also be found in your permit. It consists of 9 characters and begins with the letters IL. Example: IL-----.
3. **Discharge Number:** The outfall number where the discharge occurred.
4. **Monitoring Period:** Must begin with the first day of the monitoring period and end on the last day of the monitoring period. Example: 05/01/2012 to 05/31/2012. **(The format should be mm/dd/yyyy).**
5. **Major/Minor Indicator:** Be sure to include this information on the DMR. If unaware of the classification, please contact our permit section at 217-782-0610.
6. **No Discharge Box:** Place an 'X' within this box if a discharge did not occur during the monitoring period indicated. **If you did not discharge, please skip down to instructions #13 – 17. You will not report any data within the DMR fields if a discharge did not occur.**
7. **Parameters:** Be sure to fill in the data boxes as required by your permit.
8. **Limit requirements:**
  - a. You may type or handwrite your numerical data into the sample measurement areas. Do not type or write in the sample measurement areas where there are asterisks (\*\*\*\*) in the permit requirement area.
  - b. There are allocated areas for load and concentration measurement data which may include numeric data and symbols. **Only the following symbols are allowed: <, >, =, "T" and "E".** The symbols must always precede the numeric value, with the exception of the "T", which has no numeric value. Type or print "T" when reporting "too numerous to count". Type or print "E" followed by numeric value when reporting an estimated value.
  - c. A "less than" (<) symbol should be used for reporting measurement data that is below the lab's lowest detectable measurement value. Mass loading and concentration value should be reported as < the instrument detection limit (IDL). "Less than" data should be considered as the recorded value for calculation purposes, i.e. <1 mg/l recorded as 1. When a data set includes "less than" values, calculation results should be reported with "less than" on the dmr form. (Example: <1 mg/l for TSS).
  - d. The only parameter in which zero would be an acceptable value is Fecal Coliform; all others should have measurement data reported, see item 'C' above. This is especially important if you are not sampling, you would not report a '0' as the measurement amount.
9. **Units Codes:** Each permit states the units in which you should sample and report your measurement data. **Do not change the units which are specified on your DMR as they are specific to your permit. (See Attachment 1)**
10. **Excursions:** Type or handwrite the total number of times the values within the quantity/load and/or concentration limits by row for average or maximum were exceeded for each parameter. The total number of exceedances possible is 5, depending upon the reporting requirements.
11. **Frequency Of Analysis:** Type or print the code which best reflects the actual frequency of sampling that occurred during the monitoring period for each parameter. **(See Attachment 2)**

- a. If the frequency is not listed on attachment 2, type or write "xx/xx" in the frequency column and describe the actual frequency in the comment section.
  - b. If unable to obtain a sample you will report the numbers '495' in the frequency of analysis column. Please provide an explanation in the Comment Section. **\*Not reporting a value on a required parameter in your permit may result in non-reporting violations.**
- 12. Sample Type:** Type or print the sample type from attachment 3 which best reflects the actual sample type used during the monitoring period for each parameter. **Use uppercase letters. (See Attachment 3)**
- 13. Name/Title Principal Executive Officer:** Print or Type the person's name that is responsible for completion of the DMR.
- 14. Signature:** This must be an original signature. If sent without an original signature it will be returned and need to be resubmitted. The DMR will receive the submission date it was resubmitted on.
- 15. Telephone Number:** Please provide us with a telephone number or email address in the event that we need to contact you.
- 16. Date:** The date in which you filled out the form.
- 17. Comments:** This area is used for explanations for not sampling or other non-reporting issues.

**Helpful hints:**

- A.** All fillable areas on the DMR not marked with \*\*\*\* should be completed (with the exception of no discharge). If the DMR is not completed properly, it will be returned.
- B.** If you create and submit your own DMR forms, please use at least a 12 point font.
- C.** DMR due dates vary for each permit. If unaware of your due date, please reference your permit's Special Conditions section.

**General NPDES Permit No. ILR00**

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9276  
[www.epa.illinois.gov](http://www.epa.illinois.gov)

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**General NPDES Permit  
For  
Storm Water Discharges from Industrial Activities**

**Expiration Date: March 31, 2022**

**Issue Date: April 5, 2017**

**Effective Date: April 5, 2017**

Discharges authorized by this General Permit: In compliance with the provisions of the Illinois Environmental Protection Act, the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act, the following discharges may be authorized by this permit in accordance with the conditions herein:

Discharges of storm water associated with industrial activities, as defined and limited herein. Storm water means storm water runoff, snow melt runoff, and surface runoff and drainage.

This general permit regulates only storm water discharges from a facility. Other discharges such as process wastewater or cooling water shall be regulated by other NPDES permits.

**Receiving waters:** Discharges may be authorized to any surface water of the State.

To receive authorization to discharge under this general permit, a facility operator must submit a Notice of Intent form and additional documentation as required in Part D of this permit. Authorization, if granted, will be by letter and include a copy of this permit.



Alan Keller, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

## General NPDES Permit No. ILR00

### CONTENTS OF GENERAL PERMIT ILR00

	<u>Page</u>
A. Applicability of this General Permit	2
B. Types of Discharges Not Covered by this Permit	4
C. Special Conditions	5
D. Application Requirements	6
E. Storm Water Pollution Prevention Plan (SWPPP or Plan)	8
F. Control Measures and Discharge Limitations	13
G. Inspections	16
H. Corrective Actions	17
I. Construction Authorization	18
J. Monitoring	19
K. Reporting	21
L. Termination of Coverage Under this Permit	22
M. Definitions	23
Attachment H	25
Attachment 1 Sector Specific Requirements	1-1
Attachment 2 Activities Covered	2-1
Attachment 3 Calculating Hardness in Freshwater	3-1

### A. APPLICABILITY OF THIS GENERAL PERMIT

This permit is applicable to storm water discharges associated with any primary industrial activity and any associated industrial activity from areas (except offsite access roads and rail lines not on property owned or controlled by the permittee) where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water in the State of Illinois from the facilities listed below.

1. Discharges of storm water from facilities with discharges that are subject to new source performance standards or toxic pollutant effluent standards under 40 CFR Chapter 1, Subchapter N, except:
  - a. Discharges subject to new source performance standards or toxic pollutant effluent standards and described in paragraph Part A.2 which do not have materials or activities exposed to storm water. Facilities with these discharges shall submit a No Exposure Certification form to the Illinois Environmental Protection Agency (Illinois EPA or Agency).
  - b. Discharges subject to storm water effluent limitations guidelines listed in B.1 of this permit.
2. Discharges of storm water from facilities in the following SIC codes:

SIC 20	(Food and kindred products manufacturing or processing)
SIC 21	(Tobacco products)
SIC 22	(Textile mill products)
SIC 23	(Apparel and other finished products made from fabrics and similar materials)
SIC 24	(Lumber and wood products except furniture)
SIC 2434	(Wood kitchen cabinets)
SIC 25	(Furniture and fixtures)
SIC 26	(Paper and allied products)
SIC 265	(Paperboard containers and boxes)
SIC 267	(Converted paper and paperboard products)
SIC 27	(Printing, publishing, and allied industries)

## General NPDES Permit No. ILR00

SIC 28	(Chemicals and allied products)
SIC 283	(Drugs)
SIC 285	(Paints, varnishes, lacquers, enamels, and allied products)
SIC 29	(Petroleum refining and related industries), except discharges subject to 40 CFR 419
SIC 30	(Rubber and miscellaneous plastics products)
SIC 31	(Leather and leather products)
SIC 311	(Leather tanning and finishing)
SIC 32	(Stone, clay, glass, and concrete products)
SIC 323	(Glass products, made of purchased glass)
SIC 33	(Primary metal industries)
SIC 34	(Fabricated metal products, except machinery and transportation equipment)
SIC 3441	(Fabricated structural metal)
SIC 35	(Industrial and commercial machinery and computer equipment)
SIC 36	(Electronic and other electrical equipment and components, except computer equipment)
SIC 37	(Transportation equipment)
SIC 373	(Ship and boat building and repairing)
SIC 38	(Measuring, analyzing, and controlling instruments; photographic, medical, and optical goods; watches and clocks)
SIC 39	(Miscellaneous manufacturing industries)
SIC 4221-25	(Farm products warehousing and storage, refrigerated warehousing and storage, general warehousing and storage)

This permit is also applicable to any additional storm water discharges that are not otherwise required to obtain an NPDES permit but are comingled or mixed with discharges authorized by this permit.

3. Facilities classified as SIC 10-14 (Mineral Industry) including active or inactive mining operations and oil and gas exploration, production, processing, treatment operations, or transmission facilities, except discharges subject to 40 CFR 434, 436, or 440 or any discharges subject to general permit number ILG84. This permit does not authorize any discharge associated with the hydraulic fracturing process if additional chemicals are utilized in the process.
4. Landfills, land application sites (excluding land application sites which utilize agricultural land), and open dumps that receive or have received any industrial wastes (waste that is received from any of the facilities described in 40 CFR 122.26(b) (14)).
5. Facilities involved in the recycling of materials including metal scrapyards, battery reclaimers, salvage yards, automobile junkyards and concrete recycling facilities including but not limited to SIC 5015 (Used motor vehicle parts) and SIC 5093 (Scrap and waste materials)
6. Transportation facilities listed below with areas involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, or airport deicing operations (unless individual permit required by 40 CFR 449):

SIC 40	(Railroad transportation)
SIC 41	(Local and suburban transit and inter-urban highway passenger transportation)
SIC 42	(Motor freight transportation and warehousing) except SIC 4221-4225 (Farm product warehousing and storage, refrigerated warehousing and storage, general warehousing and storage)
SIC 43	(United States Postal Service)
SIC 44	(Water transportation)
SIC 45	(Transportation by air)
SIC 5171	(Petroleum bulk stations and terminals-wholesale)
7. Treatment Works treating domestic sewage with a design flow of 1.0 mgd or more including sludge or wastewater treatment devices or systems used in the storage, treatment, recycling, and reclamation of municipal or domestic sewage, and land dedicated to sludge disposal located within the confines of the facility. This requirement excludes off-site sludge management lands, farm lands, and gardens.
8. Discharge of storm water from non-classified facilities designated by the Agency as requiring a permit. See Sector AD of Attachment 1 and 2.

## General NPDES Permit No. ILR00

### 9. Allowable non-storm water discharges:

- a. The following are the only non-storm water discharges authorized under this permit, provided that all discharges comply with the discharge limitations set forth in Part F:
  - i. from fire-fighting activities.
  - ii. Fire hydrant flushings.
  - iii. Waters used to wash vehicles without the use of detergents or hazardous cleaning products.
  - iv. Waters (without added chemicals) used to control dust.
  - v. Potable water sources including waterline flushings and fire sprinkler flushing.
  - vi. Irrigation drainage.
  - vii. Landscape watering, provided all pesticides, herbicides, and fertilizers have been applied in accordance with the approved labeling.
  - viii. Routine external building wash down, including power washing, which does not use detergents or hazardous cleaning products.
  - ix. Discharges Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents or hazardous cleaning products are not used.
  - x. Uncontaminated condensate from air conditioners, coolers, other compressors, and from the outside storage of refrigerated gases or liquids.
  - xi. Uncontaminated ground water or spring water.
  - xii. Foundation or footing drains where flows are not contaminated with process materials.
  - xiii. Incidental windblown mist from cooling towers but not intentional discharges from the cooling tower.
  - xiv. Discharges from the spray down of lumber and wood product storage where no chemical additives are used and no chemicals are applied to the wood during storage. Such discharges are applicable only to Sector A facilities, listed in Attachment 1, provided the non-storm water component of the discharge is in compliance with Part F.2 of this permit.
- b. Except as provided in Part A.9.a above, all discharges covered by this permit shall be composed entirely of storm water. Discharges of material other than storm water must be in compliance with an NPDES permit (other than this permit) issued for the discharge.

### **B. TYPES OF DISCHARGES NOT COVERED BY THIS PERMIT**

This permit is not applicable to storm water discharges from the facilities listed below. Storm water discharges from these facilities must be authorized by an individual NPDES permit or alternative general NPDES permit.

#### 1. Discharges subject to storm water effluent limitations guidelines in the following categories;

Cement Manufacturing (40 CFR 411)  
Feedlots (40 CFR 412)  
Fertilizer Manufacturing (40 CFR 418)  
Petroleum Refining (40 CFR 419)  
Phosphate Manufacturing (40 CFR 422)  
Steam Electric (40 CFR 423)  
Coal Mining (40 CFR 434)  
Mineral Mining and Processing (40 CFR 436)  
Ore Mining and Dressing (40 CFR 440)  
Asphalt Emulsion (40 CFR 443).  
Airport De-icing (40 CFR 449)

2. Hazardous waste treatment, storage, or disposal facilities.
3. Steam electric power generating facilities, including coal handling sites.
4. Construction site activity including clearing, grading, and excavation activities.
5. Storm water discharges associated with industrial activity from facilities with an existing NPDES individual or general permit for the storm water discharges.
6. Storm water discharges associated with industrial activity which are identified by the Agency as possibly causing or contributing to a violation of water quality standards.

## General NPDES Permit No. ILR00

7. Storm water discharges associated with inactive mining or inactive oil and gas operations occurring on Federal lands where an operator cannot be identified.
8. Storm water discharges to any receiving water identified under 35 Ill. Adm. Code 302.105(d) (6).
9. Storm water discharges that the Agency determines are not appropriately covered by this general permit.
10. Storm water or other discharges of hazardous substances or oil resulting from an on-site spill.
11. Discharges of storm water collected in containment areas at bulk storage and hazardous waste facilities where the storm water becomes contaminated by direct contact with a spill or release of stored materials into the containment area.

### **C. SPECIAL CONDITIONS**

1. Discharging pollutants for which a water body is impaired with an approved TMDL:
  - a. The Permittee must determine whether the facility discharges storm water, either directly or indirectly, to the immediate stream segment which is an impaired water body, i.e., a water body included on the most recent U.S. EPA-approved Clean Water Act Section 303(d) list of impaired water bodies. This determination must be made within 6 months of the effective date of this permit, and must be documented in the facility's SWPPP or storm water records. Information on impaired waters is contained in the Agency website below:

<http://www.epa.illinois.gov/topics/water-quality/watershed-management/tmdls/303d-list/>

- b. If the Permittee determines that it discharges storm water to the immediate stream segment which is an impaired water body, the Permittee must identify if there is a U.S. EPA-approved TMDL that establishes waste load allocations for discharges of pollutant(s) of concern to the impaired water body. This determination must be made within 6 months of the effective date of this permit, and must be documented in the facility's SWPPP or storm water records. Information on TMDLs is contained in the Agency website below:

<http://www.epa.illinois.gov/topics/water-quality/watershed-management/tmdls/index>

- c. If the Permittee determines that there is a U.S. EPA-approved Total Maximum Daily Load (TMDL) for a water body to which the facility discharges storm water, the permittee must determine if there is a Waste Load Allocation (WLA) applicable to the facility's storm water discharges in the approved TMDL.
  - d. If the Permittee determines that it is subject to an applicable (WLA), the following requirements apply:
    - i. The Permittee must calculate/quantify the facility's estimated current loading(s) of the pollutant(s) of concern to the impaired water body. This may be done using monitoring data and/or through modeling.

- ii. The Permittee must determine if, based on the estimated current loading(s), it is meeting the applicable WLA with current storm water controls and practices. If loading reductions are needed in order to achieve the applicable WLA, the permittee must update its SWPPP to incorporate Best Management Practices (BMPs) or other storm water control measures that will be implemented to reduce loadings of the pollutant(s) of concern and achieve the applicable WLA.

The SWPPP must specifically identify the additional or enhanced BMPs or control measures necessary to reduce loadings of the pollutant(s) of concern, and must also document/summarize modeling and/or other calculations used to estimate that the practices and control measures will reduce loadings to achieve the applicable WLA.

- iii. The SWPPP must define a schedule for implementing the control measures identified necessary to meet the WLA. The schedule for implementing the planned BMPs and/or control measures above must be set out so that the management practices and control measures are in place and operational as quickly as possible. Interim milestones should be established to facilitate assessment of progress in implementing the control measures and gauging progress toward meeting the applicable WLA.

## General NPDES Permit No. ILR00

- iv. The Permittee must incorporate into the SWPPP a monitoring/assessment component to evaluate if loading reductions are being achieved as planned in the SWPPP.
  - v. The SWPPP may incorporate an adaptive management component, under which the SWPPP can be updated or improved as circumstances allow.
2. Discharges to impaired waters without an approved TMDL:

The Permittee shall monitor all pollutants for which the waterbody is impaired and are associated with the industrial site activity for which a standard analytical method exists (see 40 CFR Part 136) once per year at each outfall (except substantially identical outfalls) discharging storm water to impaired waters without an approved TMDL
3. Additional Monitoring required by Illinois EPA:

The Agency may require additional monitoring. Any such notice will briefly state the reasons for monitoring, locations, and parameters to be monitored, frequency and period of monitoring, sample types, and reporting requirements.

### **D. APPLICATION REQUIREMENTS**

1. Any discharger of storm water associated with industrial activities seeking coverage under this general permit shall provide the Agency with the following information:
  - a.
    - i. A completed electronic submission of the Agency Notice of Intent form, see Part D.6; or
    - ii. A completed electronic submission of the U.S. EPA Form 1, including form 2F and quantitative sampling data when required by Part D.2. See Part D.6.
  - b. An electronic copy of the Storm Water Pollution Prevention Plan (SWPPP or plan) that has been prepared for the industrial site in accordance with Part E of this permit. The electronic copy shall be submitted to the Agency at the following email address: [epa.indilr00swppp@illinois.gov](mailto:epa.indilr00swppp@illinois.gov).
  - c. For a proposed industrial site, or a proposed modification of an industrial site, an electronic copy of the consultation letters from the Illinois Historic Preservation Agency (IHPA) and the Illinois Department of Natural Resources (IDNR) concerning historic preservation and endangered species compliance. See Part D.6.
2. Quantitative sampling data as required by U.S. EPA Form 2F for storm water discharges from the following existing or new facilities is required to be submitted:
  - a. Facilities subject to reporting requirements under Section 313 of EPCRA for chemicals classified as "Section 313 water priority chemicals": Storm water discharges that come into contact with any equipment, tank, container, or other vessel or area used for storage of a Section 313 water priority chemical, or located at a truck or rail car unloading area where a Section 313 water priority chemical is handled.
  - b. Facilities classified as SIC 33 (Primary Metal Industries).
  - c. Active or inactive landfills, land application sites, or open dumps without a stabilized final cover which have received any industrial wastes.
  - d. Wood treatment facilities: Storm water discharges from areas that are used for wood treatment, wood surface application, or storage of treated or surface protected wood.
  - e. Coal pile runoff at industrial facilities other than coal mines or steam electric power generating facilities.
  - f. Battery reclaiming facilities: Storm water discharges from areas used for storage of lead acid batteries, reclamation products or waste products, and areas used for lead acid battery reclamation.
  - g. Airports not subject to the requirements of 40 CFR 449 (less than 1,000 aircraft departures per year) storm water discharges from aircraft or airport deicing areas.
  - h. Meat packing plants, poultry packing plants, and facilities that manufacture animal and marine fats and oils.

## General NPDES Permit No. ILR00

- i. Facilities classified as SIC 28 (Chemicals and Allied Products) and SIC 30 (Rubber and Miscellaneous Plastics Products): Storm water discharges that come into contact with solid chemical storage piles.
  - j. Automobile junkyards: Storm water discharges exposed to over 250 auto/truck bodies with drivelines, over 250 drivelines, or any combination thereof (in whole or in parts); over 500 auto/truck units (bodies with or without drivelines in whole or in parts); or over 100 units per year are dismantled and drainage or storage of automotive fluids occurs in areas exposed to storm water.
  - k. Lime manufacturing facilities: Storm water discharges that have come into contact with lime storage piles.
  - l. Cement manufacturing facilities and cement kilns: Storm water discharges other than those subject to 40 CFR 411.
  - m. Ready-mixed concrete facilities: Sampling data is not required for new ready-mixed concrete facilities or for relocated ready-mixed concrete facilities. Schedule 2-F is not required for existing or previously permitted facilities.
  - n. Ship building and repairing facilities.
  - o. Other industrial activities when requested by the Agency.
3. When a facility has two or more outfalls that, based on consideration of features and activities within the area drained by the outfall, the Permittee reasonably believes discharge substantially identical effluents, the Permittee may sample the effluent of one such outfall and report that quantitative data also applied to the substantially identical outfalls. If the applicant is requesting approval to sample a representative outfall, identification of all storm water outfalls considered to be substantially identical along with the outfall being used to represent such outfalls and appropriate justification must be provided with the application.
4. Existing facilities application/Notice of Intent requirements:
- a. For existing facilities with an individual NPDES permit covering storm water associated with industrial activity, or those facilities that have previously submitted an application for an individual permit and not yet received a permit, the Permittee/Applicant may elect to seek coverage under this general permit in place of obtaining an individual permit. To be considered for coverage the Permittee/Applicant is required to submit the information, in Part D.1.
  - b. For existing facilities that have submitted a NOI for coverage of any discharge of storm water associated with industrial activities under this general permit a new or revised NOI will not be required unless the industrial activity at the site has substantially changed.
5. For new facilities, the NOI and required information shall be submitted 180 days prior to the date on which the discharge is to commence unless permission for a later date has been granted by the Agency. Mobile facilities (such as concrete or asphalt batch plants) shall apply at least 30 days prior to discharge.
6. The required information from Part D.1.a.i and ii and D.1.c shall be submitted to one of the following addresses:
- a. Electronic submission shall be submitted to:  
  
[epa.indilr00swppp@illinois.gov](mailto:epa.indilr00swppp@illinois.gov)
  - b. If electronic submittal is unavailable the required information should be submitted to the following address:  
  
Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Permit Section #15  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276
7. Authorization: Owners or operators must submit either an NOI in accordance with the requirements of this permit or an application for an individual NPDES Permit to be authorized to discharge under this General Permit. Authorization, if granted, will be by letter from the Agency and include a copy of this Permit. Upon review of an NOI, the Illinois EPA may deny coverage under this Permit and require submittal of an application for an individual NPDES Permit.

## General NPDES Permit No. ILR00

- a. Automatic Continuation of Expired General Permit: Except as provided in D.7.b below, when this General Permit expires the conditions of this permit shall be administratively continued until the earliest of the following:
  - i. 150 days after the new General Permit is issued;
  - ii. The Permittee submits a Notice of Termination (NOT) and that notice is approved by Illinois EPA;
  - iii. The Permittee is authorized for coverage under an individual permit or the renewed or reissued General Permit;
  - iv. The Permittee's application for an individual permit for a discharge or NOI for coverage under the renewed or reissued General Permit, is denied by the Illinois EPA;
  - v. Illinois EPA issues a formal permit decision not to renew or reissue this General Permit. If not renewed this expired General Permit shall be automatically administratively continued after such formal permit decision.
- b. Duty to Reapply:
  - i. If the Permittee wishes to continue a discharge activity regulated by this General Permit, the Permittee must apply for new permit coverage before the expiration of the administratively continued period specified in D.7.a above.
  - ii. If the Permittee reapplies in accordance with the provisions of D.7.a above, the conditions of this General Permit shall continue in full force and effect under the provisions of 5 ILCS 100/10-65 until the Illinois EPA makes a final determination on the application or NOI.
  - iii. If the Agency makes a formal decision not to renew this General Permit, the Permittee will have 150 days to supplement any previously submitted application or NOI after the date of the formal decision by Illinois EPA.
  - iv. Standard Condition 2 of Attachment H is not applicable to this General Permit.
8. Facilities which discharge storm water associated with industrial activity to a municipal separate storm sewer system (MS4) shall notify the MS4 owner at the time of application to the Agency, and shall provide the MS4 owner with a copy of their application if requested.

### **E. STORM WATER POLLUTION PREVENTION PLAN (SWPPP or Plan)**

1. A SWPPP shall be developed by the Permittee and submitted to the Agency for each facility covered by this permit. The Plan shall identify potential sources of pollution which may be expected to affect the quality of storm water discharges associated with the industrial activity at the facility. The Plan shall describe the selection, design, and installation of control measures which are to be used to reduce the pollutants in storm water discharges associated with industrial activity at the facility to comply with the requirements of this permit. An electronic copy of the Plan shall be submitted to the Agency at the following email address: [epa.indlr00swppp@illinois.gov](mailto:epa.indlr00swppp@illinois.gov). The Permittee shall submit any modified plans to the Agency, when such modification includes substantive changes to the Plan, or modification is made to the Plan to ensure compliance with this permit. The SWPPP shall be implemented by the Permittee on an on-going basis.
  - a. Waters not classified as impaired pursuant to Section 303(d) of the Clean Water Act:

The SWPPP shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event unless federal regulations allow for a less restrictive rainfall event.
  - b. Waters classified as impaired pursuant to Section 303(d) of the Clean Water Act:

For any site which has a current NPDES permit and discharges directly or indirectly to an impaired water identified in the Agency's 303(d) listing, and if any parameter in the subject discharge has been identified as the cause of impairment, the SWPPP shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event. If required by federal regulations, the SWPPP shall adhere to a more restrictive design criteria.

## General NPDES Permit No. ILR00

- c. If the Permittee discharges to an impaired water with an established U.S. EPA approved or established TMDL and the SWPPP has been modified in accordance with Part E.1.b above, Illinois EPA will review the SWPPP and inform the Permittee in writing if additional pollutant control measures for rainfall events are necessary for the discharge to be consistent with the assumptions of any available waste load allocations in the TMDL or if coverage under an individual permit is necessary.
2. Plans for new facilities shall be completed prior to submitting an NOI to be covered under this permit. An electronic copy of the SWPPP shall be submitted to the Agency at the following email address: [epa.indlr00swppp@illinois.gov](mailto:epa.indlr00swppp@illinois.gov). Plans shall provide for compliance with the effluent limitations in Part F of this permit prior to operation of any industrial activity to be covered under this permit. [Note: If the plan has already been required to be developed under a previous permit it shall be updated and maintained in accordance with all requirements of this Special Condition within 180 days of the effective date of this permit.]. The owner or operator of an existing facility with storm water discharges covered by this permit shall submit a copy of the Plan to the Agency and shall make a copy of the Plan available to the Agency during any inspection of the site.

Facilities which discharge to MS4 shall also make a copy available to the operator of the municipal system at any reasonable time upon request.

3. The Permittee may be notified in writing by the Agency at any time that the Plan does not meet the requirements of this permit. After such written notification, the Permittee shall modify the Plan and shall submit a revised plan to the Agency with the requested changes that have been made. Unless otherwise provided, the Permittee shall have 30 days after such notification to make the changes.
4. The Permittee shall modify the SWPPP based on the corrective actions and deadlines required in Part H.2 and that the Permittee documented in Part H.2, such that the triggering conditions for corrective action in Part H.1 do not reoccur. The Permittee shall also modify the SWPPP whenever there is a change in construction, operation, or maintenance which may affect the discharge of concentrations or quantities of pollutants to the waters of the United States. SWPPP modifications must be signed in accordance with Attachment H.
5. The Plan shall provide a description of potential sources which may be expected to affect concentration or quantities of pollutants to storm water discharges, or which may result in non-storm water discharges from the facility. The Plan shall include, at a minimum, the following items:
  - a. A topographic map extending one-quarter mile beyond the property boundaries of the facility, showing: the facility, surface water bodies, wells (including injection wells), seepage pits, infiltration ponds, and the discharge points where the facility's storm water discharges to a municipal storm drain system or other water body. The requirements of this paragraph may be included on the site map if appropriate. Any map or portion of map may be withheld for security reasons.
  - b. A site map showing:
    - i. The storm water conveyance and discharge structures;
    - ii. An outline of the storm water drainage areas for each storm water discharge point, location, and identification of any MS4 to which the industrial site discharges storm water;
    - iii. Paved areas and buildings;
    - iv. Areas used for outdoor manufacturing, storage trash dumpsters and compactors or disposal of significant materials, including activities that generate significant quantities of dust or particulates;
    - v. Location of existing or planned storm water structural control measures/practices (dikes, coverings, detention facilities, etc.);
    - vi. Surface water locations and/or municipal storm drain locations;
    - vii. Areas of existing and potential soil erosion;
    - viii. Vehicle service areas;
    - ix. Material loading, unloading, transfer, and access areas;
    - x. Direction of storm water flow (use arrows);

## General NPDES Permit No. ILR00

- xi. Locations of storm water monitoring points;
- xii. Location of any potable water supply wells;
- xiii. Fueling stations;
- xiv. Immediate access roads and rail lines;
- xv. Vehicle or product machinery related to industrial activity;
- xvi. Locations and sources of run-on to the site from adjacent properties that contains significant quantities of pollutants; and
- xvii. Location of any material storage areas (i.e. deicing material, fertilizers, soil stockpiles, etc.).

Areas under Items iv. and ix. above may be withheld from the site map for security reasons.

- c. A narrative description of the following potential pollutant sources:
    - i. The nature of the industrial activities conducted at the site and a list of the activities exposed to storm water;
    - ii. A list of pollutant(s) or pollutant constituents associated with each identified activity above, which could be exposed to storm water or snowmelt and could be discharged from the facility. The Permittee must document all significant material that have been handled, treated, stored or disposed of, and that have been exposed to storm water in the three years prior to the date the Permittee prepares or amends its SWPPP. Materials, equipment, and vehicle management practices employed to minimize contact of significant materials with storm water discharges (include on site map);
    - iii. Existing or future structural and non-structural control measures/practices to reduce pollutants in storm water discharges;
    - iv. Industrial storm water discharge treatment facilities (include on site map) and;
    - v. Methods of onsite storage and disposal of significant materials.
  - d. Permittees discharging storm water to impaired water bodies as determined pursuant to Part C.1.a. shall provide a list of any pollutant that is listed as a cause of impairment in the most recent 303(d) report and may be associated with the industrial site activity and may be discharged in storm water from the industrial site.
  - e. An estimate of the size of the facility in acres or square feet, and the percent of the facility that has impervious areas such as pavement or buildings.
  - f. A summary of existing sampling data describing pollutants in storm water discharges.
6. The Plan shall document the location and describe the storm water management controls which are or will be implemented by the facility to meet the requirements of this permit. The appropriate controls shall reflect identified existing and potential sources of pollutants at the facility. The Permittee shall properly maintain storm water BMPs and other control measures to ensure effectiveness and continuity of operation.
7. Storm Water Pollution Prevention Personnel: Identification by name, job titles, direct telephone numbers and email addresses (if available) of the individuals who are responsible for developing, implementing, and revising the Plan. All storm water pollution prevention personnel must have ready access to the most updated copy of the SWPPP and all associated documents and information as required by this permit.
8. Non-Storm Water Discharges:
- The Permittee shall document that the discharge has been evaluated for the presence of unauthorized non-storm water discharges. The documentation shall include: the date of the evaluation, a description of the evaluation criteria used, a list of the outfalls or on-site drainage points that were directly observed during the evaluation, a description of the action(s) taken to prevent unauthorized discharge(s), or documentation that separate NPDES permit was obtained.

## General NPDES Permit No. ILR00

### 9. The following must be documented in the SWPPP:

- a. Good Housekeeping (F.2.c) – A requirement that waste materials be regularly picked up and disposed of, along with routine inspections for leaks and conditions of drums, tanks and containers;
- b. Maintenance (F.2.b) – Procedures and frequencies for inspection and maintenance of storm water conveyance system devices such as oil/water separators, catch basins, etc., and inspection and testing of plant equipment and systems that could fail and result in discharges of pollutants to storm water. The SWPPP shall include the schedule or frequency for maintaining all control measures;
- c. Spill Prevention and Response (Part F.2.d) – Procedures for responding to spills and leaks, including internal and third-party notification procedures. For preventing spills, include in the SWPPP the control measures for material handling and storage, and procedures for preventing spills that can contaminate storm water. Spill clean-up equipment and procedures should be identified, as appropriate;
- d. Erosion and Sediment Control (Part F.2.f) – If the Permittee uses polymers and/or other chemical treatments as part of a control measure, the Permittee must identify the polymer and/or chemicals used and the purpose; and
- e. Employee Training (Part F.2.g) – The elements of the employee training plan shall include all, but not be limited to, the requirements set forth in Part F.2.g and also include the following:
  - i. The content of the training;
  - ii. The frequency/schedule of the training for employees who have duties in areas of industrial activity subject to this permit; and
  - iii. A log of the date on which specific employees receive training.

### 10. Inspections.

- a. The Permittee must document in the SWPPP its procedures for performing, as appropriate, the types of inspections specified in this permit, including:
  - i. Routine facility inspections (See Part G.1), and
  - ii. Quarterly visual assessment of storm water discharges (See Part J.1).
- b. If the Permittee is invoking the exception for inactive and unstaffed sites relating to routine facility inspections and quarterly visual assessments, the Permittee must include in the SWPPP the information to support this claim as required by Part G.5.

### 11. Monitoring.

- a. The Permittee must document in the SWPPP the procedures for conducting two types of analytical monitoring specified by the permit, where applicable to the facility:
  - i. Benchmark monitoring (See Part J.2)
  - ii. Site-specific monitoring
- b. For each type of monitoring, the SWPPP must document:
  - i. Locations where samples are collected, including any determination that two or more outfalls are identical;
  - ii. Parameters for sampling and the frequency of sampling for each parameter;
  - iii. Schedules for monitoring at the facility;
  - iv. Any numeric control values (benchmarks, TMDL-related requirements) applicable to discharges from each outfall; and

## General NPDES Permit No. ILR00

- v. Procedures (e.g., responsible staff, logistics, laboratory to be used) for gathering data.
- c. If the Permittee is invoking the exception for inactive and unstaffed sites, the Permittee must include a certification in the SWPPP to support this claim as required by Part G.5.
- d. The Permittee must document the following in the SWPPP if the Permittee plans to use the substantially identical outfall exception for the quarterly visual assessment requirements in Part J.1.e or benchmark monitoring requirements in Part J.2.f:
  - i. Locations of each of the substantially identical outfalls;
  - ii. Description of the general industrial activities conducted in the drainage area of each outfall;
  - iii. Description of the control measures implemented in the drainage area of each outfall;
  - iv. Description of the exposed materials located in the drainage area of each outfall that are likely to be significant contributors of pollutants to storm water discharges;
  - v. An estimate of the runoff coefficient of the drainage areas (low= under 40%, medium= 40% to 65%, high= above 65%); and
  - vi. Why the outfalls are expected to discharge substantially identical effluents.
- 12. This Plan shall briefly describe the appropriate elements of other program requirements, including Spill Prevention Control and Countermeasures (SPCC) plans required under Section 311 of the CWA and the regulations promulgated thereunder, and Best Management Programs under 40 CFR 125.100. Other program requirements such as SPCC may be referenced in the Plan.
- 13. The Plan is considered a report that shall be available to the public at any reasonable time upon request.
- 14. The Plan shall include the signature and title of the person responsible for preparation of the Plan and include the date of initial preparation and each amendment thereto.
- 15. Facilities which discharge storm water associated with industrial activity to MS4 may also be subject to additional requirements imposed by the operator of the municipal separate storm sewer system.
- 16. Additional Documentation Requirements.

The Permittee is required to keep the following inspection, monitoring, and certification records with the SWPPP that keep the records complete and up-to-date, and demonstrate full compliance with the conditions of this permit:

- a. A copy of the NOI submitted to the Agency along with any correspondence exchanged between the Permittee and the Agency specific to coverage under this permit;
- b. A copy of this permit;
- c. Documentation of maintenance and repairs of control measures, including the date(s) of regular maintenance, date(s) of discovery of areas in need of repair/replacements, and for repairs, date(s) the control measures returned to full function, and the justification of any extended maintenance/repair schedules (See Part F.2.b);
- d. All inspection reports, including Routine Facility Inspection Reports (Part G.1) and Quarterly Visual Assessment Reports (J.1) and benchmark monitoring results;
- e. Description of any deviation from the schedule for visual assessments and/or monitoring, and the reasons for the deviations;
- f. Description of any corrective action triggering event/condition listed in Part H.1 and documented in Part H.2;
- g. Documentation of any benchmark exceedance and the type of response employed, including:
  - i. The corrective action taken;

## General NPDES Permit No. ILR00

- ii. A finding that the exceedance was due to natural background pollutant levels; or
  - iii. A finding that no further pollutant reductions were technologically available and economically practicable in light of best industry practice consistent with Part J.2.;
  - h. Documentation to support any determination that pollutants of concern are not expected to be present above natural background levels if the facility discharges directly to impaired waters, and such pollutants were not detected in the discharge or were solely attributable to natural background sources (See Part J.2);
  - i. Documentation to support the claim that the facility has changed its status from active to inactive and unstaffed with respect to the requirements to conduct routine inspections (See Part G.5), quarterly visual assessments (see Part J.1) and/or benchmark monitoring (see Part J.2); and
  - j. Electronic copies of all documents, including the SWPPP, are acceptable.
17. Modifications to the following requirements in the plan shall be submitted to the Agency pursuant to Part K.1, E.I.c, E.6, E.7, E.16.f, E.16.g, E.16.i.

### **F. Control Measures and Discharge Limitations**

In the technology-based limits included below, the term "minimize" means reduce and/or eliminate to the extent achievable using control measures (including best management practices) that are technologically available and economically practicable and achievable.

#### **1. Storm Water Controls**

The Permittee must select, design, install, and implement control measures (including best management practices) to meet the discharge limitations in Part F.2 and meet the water quality-based effluent limitations in Part F.3. The selection, design, installation, and implementation of these control measures must be in accordance with good engineering practices and manufacturer's specifications. Note that the Permittee may deviate from such manufacturer's specifications where it provides justification for such deviation and include documentation of its rationale in the part of its SWPPP that describes its control measures, consistent with Part E.6. If the Permittee finds that its control measures are not achieving their intended effect of minimizing pollutant discharges, it must modify these control measures in accordance with the corrective action requirements set forth in Part H. Regulated storm water discharges from the Permittee's facility include storm water run-on that commingles with storm water discharges associated with industrial activity at its facility.

#### **2. Discharge Limitations**

- a. Minimize Exposure – The Permittee must minimize the exposure of manufacturing, processing, and material storage areas (including loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations) to rain, snow, snowmelt, and runoff by either locating these industrial materials and activities inside or protecting them with storm resistant coverings. In order to minimize exposure, where feasible, the Permittee must include the following BMPs where applicable:
  - i. Use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from these areas;
  - ii. Containment - Storage within berms or other secondary containment devices to prevent leaks and spills from entering storm water runoff. To the maximum extent practicable, storm water discharged from any area where pollutants from material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water should not enter vegetated areas or surface waters or infiltrate into the soil unless adequate treatment is provided;
  - iii. Clean up spills and leaks promptly using dry methods (e.g., absorbents) or other cleanup methods to prevent the discharge of pollutants;
  - iv. Store leaky vehicles and equipment indoors or, if stored outdoors, use drip pans and absorbents;
  - v. Use spill/overflow protection equipment;
  - vi. Perform all vehicle and/or equipment cleaning operations indoors, under cover, or in bermed areas

## General NPDES Permit No. ILR00

- that prevent runoff and run-on and also that capture any overspray;
- vii. Drain fluids from equipment and vehicles that will be decommissioned or will remain unused for extended periods of time;
  - viii. Ensure that all washwater, with the exception of discharges from pavement wash water and routine building washdown, drains to a sanitary sewer, sump, or other proper collection system (i.e., not the storm water drainage system); and
  - ix. Oil & Grease Separation - Oil/water separators, booms, skimmers, or other methods to minimize oil contaminated storm water discharges.
  - x. Minimize dust and offsite tracking of raw, final, and waste materials. Trash disposal areas where dumpsters and rolloff boxes are located shall have the lids which shall remain closed when not in use. For dumpsters and roll off boxes that do not have lids BMPs shall be utilized to prevent any contaminate storm water runoff.
- b. Preventive Maintenance – The Permittee must have procedures and frequencies for inspection and maintenance of storm water conveyance system devices such as oil/water separators, catch basins, etc., and inspection and testing of plant equipment and systems that could fail and result in discharges of pollutants to storm water.
- c. Good Housekeeping and Pollution Prevention Practices - Good housekeeping requires the maintenance of clean, orderly facility areas that discharge storm water. Material handling areas shall be inspected and cleaned as necessary to reduce the potential for pollutants to enter the storm water conveyance system. The Permittee shall implement pollution prevention practices in areas that include, but are not limited to, trash containers, storage areas, loading docks, vehicle fueling, and maintenance. Exposed areas that may contribute pollutants to storm water shall be minimized to reduce or eliminate contaminated storm water runoff.
- d. Spill Prevention and Response – Identification of areas where significant materials can spill into or otherwise enter the storm water conveyance systems and their accompanying drainage points. The Permittee must minimize the potential for leaks, spills, and other releases that may be exposed to storm water and develop plans for effective response to such spills if or when they occur. The Permittee must conduct spill prevention and response measures, including but not limited to, the following:
- i. Plainly label containers (e.g., "Used Oil," "Spent Solvents," "Fertilizers and Pesticides") that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;
  - ii. Implement procedures for material storage and handling, such as the use of secondary containment and barriers between material storage and traffic areas, or a similarly effective means designed to prevent the discharge of pollutants from these areas;
  - iii. Develop spill response training procedures for preventing, containing, and cleaning up leaks, spills, and other releases. Spills shall be cleaned and any contaminated water or solids shall be disposed of in accordance with applicable regulations. As appropriate, execute such procedures as soon as possible;
  - iv. Keep spill kits on-site, in easily accessible locations,
  - v. Notify appropriate facility personnel, and for significant spills, emergency response agencies and regulatory agencies, when a leak, spill, or other release occurs;
  - vi. Document all significant spills and leaks of oil or toxic or hazardous pollutants that actually occurred in the exposed areas, or that drained to a storm water conveyance, during the previous 5 years;
  - vii. Visually inspect retained storm water (e.g. storm water in a secondary containment structure) prior to discharge, to assure the storm water contains no unnatural turbidity, color, oil films, foams, settleable solids, or deposits before discharging any collected storm water.
- e. Storm Water Management Practices - Storm water management practices are practices other than those which control the source of pollutants. They include measures such as installing oil and grit separators, diverting storm water into retention basins, etc. Based on assessment of the potential of various sources to

## General NPDES Permit No. ILR00

contribute pollutants, measures to remove pollutants from storm water discharge shall be implemented. The following management practices shall be considered and implemented as applicable:

- i. Debris & Sediment Control - Screens, booms, sediment ponds, or other methods to reduce debris and sediment in storm water discharges;
  - ii. Covered Storage or Manufacturing Areas - Covered fueling operations, materials, manufacturing, and storage areas to prevent contact with storm water. This includes any pesticide, herbicide, fertilizer, or any other chemical storage area;
  - iii. Mercury Switch Removal and Recycling - Mercury containing convenience lighting switches and anti-lock brake assemblies shall be removed from vehicles and recycled in an approved manner which prevents mercury from entering the storm water discharges; and
  - iv. Storm Water Reduction - To minimize storm water runoff, install vegetation on roofs of buildings within and adjacent to the exposure area to detain and evapotranspire runoff where the precipitation falling on the roof is not exposed to contaminants. Capture storm water for use as appropriate based on quality where feasible and applicable.
- f. Sediment and Erosion Prevention - where feasible and applicable, the Permittee must minimize erosion by stabilizing exposed soils at the facility and placing flow velocity dissipation devices at discharge locations. The Permittee must also use structural and non-structural control measures to prevent the discharge of sediment. If the Permittee uses polymers and/or other chemical treatments as part of its controls, it must identify the polymers and/or chemicals used and the purpose. Information on BMPs for erosion and sediment control is available at the following websites:

### USEPA National Menu of Best Management Practices (BMPs) for Storm Water

<https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#edu>

### Illinois Urban Manual:

<http://www.aiswcd.org/illinois-urban-manual/>

- g. Employee Training - The Permittee must train all employees who work in areas where industrial materials or activities are exposed to storm water, or who are responsible for implementing activities necessary to meet the conditions of this permit (e.g., inspectors, maintenance personnel), including all pollution prevention personnel. Employees shall be trained at a minimum of once per calendar year. The Permittee shall ensure the following personnel are trained on the requirements of this permit:
- i. Personnel who are responsible for the design, installation, maintenance, and/or repair of controls (including pollution prevention measures);
  - ii. Personnel responsible for the storage and handling of chemicals and materials that could become contaminants in storm water discharges;
  - iii. Personnel who are responsible for conducting and documenting monitoring and inspections as required in Parts G and J; and
  - iv. Personnel who are responsible for performing and documenting corrective actions as required in Part H.
- h. De-icing Material Storage - Storage piles of deicing material used onsite or for other commercial or industrial purposes must be enclosed or covered to prevent exposure to precipitation (except for exposure resulting from adding or removing materials from the pile). The Permittee must document and implement appropriate pollution prevention measures that minimize exposure to storm water when adding to or removing material from the pile. Piles do not need to be enclosed or covered where storm water from the pile is not discharged to Waters of the United States or the discharges from the piles are authorized under another permit. The Permittee must document the location of any storage piles of deicing material to be used for deicing or for other commercial or industrial use in the SWPPP site map (Part E.5.b.xvii).

## General NPDES Permit No. ILR00

- i. Plastic Materials Requirements - Facilities that handle pre-production plastic pellets are required to implement best management practices to eliminate discharges of plastic in storm water. Examples of plastic material required to be addressed as storm water pollutants include plastic resin pellets, powders, flakes, additives, regrind, scrap, waste and recycling.
3. Water Quality-Based Effluent Limitations.
- a. Water Quality Standards - Discharges covered by this permit, alone or in combination with other sources, shall not cause or contribute to a violation of any applicable water quality standard pursuant 35 Ill. Adm. Code 304.105;
  - b. The Permittee must implement all controls necessary to comply with a wasteload allocation in an EPA established or approved TMDL as required in Part C;
  - c. Except for discharges authorized in Part A.8 of this permit, the Permittee shall effectively prohibit non-storm water discharges into the storm sewer system; and
  - d. The Permittee shall not allow any offensive discharges pursuant to 35 Ill. Admin. Code Section 304.106.

### G. INSPECTIONS

1. The Permittee shall conduct facility inspections covering all the areas subject to the requirements of this permit and identified in the SWPPP.

Inspections must be conducted at least quarterly or in some instances more frequently as appropriate. At least one of the Permittee's routine inspections must be conducted during a period when a storm water discharge is occurring within 72 hours of the beginning of a storm event equal to or greater than 0.25 inches in 24 hours.

Inspections must be performed by qualified personnel (as defined in Part M.12) with at least one member of the storm water pollution prevention personnel participating. The Permittee may prioritize facility outfalls to allow for adequate quarterly inspections during flooding conditions. Areas inaccessible during quarterly inspections due to flooding conditions shall be inspected within 72 hours of becoming accessible.

Inspectors must consider the results of any visual and analytical monitoring for the past year when planning and conducting inspections as well as where:

- a. Industrial materials, residue or trash may have or could come into contact with storm water.
- b. Leaks or spills from industrial equipment, drums, tanks and other containers.
- c. Offsite tracking of industrial or waste materials, or sediment may occur, such as where vehicles enter or exit the site.
- d. Tracking or blowing of raw, final or waste materials may occur from areas of no exposure to exposed areas.
- e. Control measures which may need replacement, maintenance or repair.

During an inspection occurring during a storm water discharge, control measures implemented to comply with benchmark monitoring requirements must be observed to ensure they are functioning correctly. Discharge points, as defined in Part M.3, must also be observed during this inspection. If such discharge locations are inaccessible, nearby downstream locations must be inspected.

2. The Permittee must document the findings of the facility inspections and maintain this report with its SWPPP. The Permittee must summarize all findings in the annual report per Part K. Document all findings, including but not limited to, the following information:
  - a. The inspection date and time;
  - b. The name(s) and signature(s) of the inspector(s);
  - c. Weather information including flooding events;

## General NPDES Permit No. ILR00

- d. All observations relating to the implementation of control measures at the facility, including:
    - i. A description of any discharges occurring at the time of the inspection;
    - ii. Any previously unidentified discharges and/or pollutants from the site;
    - iii. Any evidence of, or the potential for, pollutants entering the drainage system;  
Observations regarding the physical condition of and around all outfalls including any flow dissipation devices, and evidence of pollutants in discharges and/or the receiving water;
    - iv. Any control measures needing maintenance, repairs, or replacement;
  - e. Any additional control measures needed to comply with the permit requirements; and
  - f. Any incidents of noncompliance observed.
  - g. Any outfall not inspected due to flooding conditions,
3. Any corrective action required as a result of a routine facility inspection must be performed consistent with Part H of this permit.
4. If the Permittee performed a visual observation required in Part J.1 during the facility inspection, the Permittee may include the results of the assessment with the report required in Part G.2, provided all components of both types of inspections are included in the report.
5. Exceptions to Routine Facility Inspections for Inactive and Unstaffed Sites.

The Permittee may exercise a waiver of the facility inspection requirement at a facility that is inactive and unstaffed, provided there are no industrial materials or activities exposed to storm water. If the Permittee exercises this waiver, the Permittee must maintain a certification with the SWPPP stating that the site is inactive and unstaffed, and that there are no industrial materials or activities exposed to storm water.

### **H. CORRECTIVE ACTIONS**

1. Conditions Requiring SWPPP Review and Revision.

The Permittee must review the SWPPP when any of the following conditions occur:

- a. An unauthorized release or discharge (e.g., spill, leak, or discharge of non-storm water not authorized by this or another NPDES permit) occurs at the facility;
- b. Control measures are not stringent enough for the discharge to meet applicable water quality standards or the conditions of this permit;
- c. A required control measure was never installed, was installed incorrectly, or not in accordance with this permit or is not being properly operated or maintained;
- d. Visual observations indicate signs of storm water pollution (e.g., unnatural color, odor, turbidity, floatable material, settled solids, suspended solids, foam, and oil sheen);
- e. The average of four quarterly sampling results exceeds any applicable benchmark monitoring concentration. If less than four samples have been taken, but the results are such that an exceedance of the four quarter average is mathematically certain (i.e., if the sum of quarterly sample results to date is more than four times the benchmark monitoring concentration) this is considered a benchmark exceedance, triggering this review;
- f. Construction or a change in design, operation, or maintenance at the facility that modifies the type or concentration of pollutants discharged in storm water from the facility, or increases the quantity of pollutants discharged;

## General NPDES Permit No. ILR00

### 2. Corrective Actions and Deadlines.

- a. Immediate Actions. If any condition in Part H.1 occurs, the Permittee must immediately take all reasonable steps necessary to minimize or prevent the discharge of pollutants until a permanent solution is installed and made operational, including cleaning up any contaminated surfaces so that the material will not discharge in subsequent storm events.
- b. Subsequent Actions. If the Permittee determines that additional changes are necessary beyond those implemented pursuant to this permit, it must install a new or modified control and make it operational, or complete the repair, before the next storm event if possible, and within 14 calendar days from the time of discovery. If it is infeasible to complete the installation or repair within 14 calendar days, the Permittee must document why it is infeasible to complete the installation or repair within the 14 day timeframe. The Permittee must also identify the schedule for completing the work, which must be done as soon as practicable after the 14-day timeframe but no longer than 45 days after discovery.

Where the Permittee's corrective actions result in changes to any of the controls or procedures documented in its SWPPP, the Permittee must modify its SWPPP accordingly within 14 calendar days of completing corrective action work.

- c. Corrective Action Documentation. The Permittee must document the existence of any of the conditions listed in Part H.1 within 24 hours of becoming aware of such condition. The Permittee is not required to submit its corrective action documentation to Illinois EPA. Include the following information in the documentation:
  - i. Identification and description of the condition triggering the need for corrective action review. For any spills or leaks, include the following information: a description of the incident including material, date/time, amount, location, and reason for spill, and any leaks, spills or other releases that resulted in discharges of pollutants to waters of the State, through storm water or otherwise;
  - ii. Date the condition was identified;
  - iii. For any spills or leaks, include response actions, the date/time clean-up completed, notifications made, and staff involved. Also include any measures taken to prevent the reoccurrence of such releases;
  - iv. The Permittee must also document the corrective actions taken that occurred as a result of the conditions listed in Part H.1, within 14 days from the time of discovery of any of those conditions. Provide the dates when each corrective action was initiated and completed (or is expected to be completed). If applicable, document why it is infeasible to complete necessary installations or repairs within the 14-day timeframe and document the Permittee's schedule for installing the controls and making them operational as soon as practicable after the 14-day timeframe.
- d. Substantially Identical Outfalls. If the event triggering corrective action is similar to an outfall that represents other substantially identical outfalls, the Permittee's review must assess the need for corrective action for each outfall represented by the outfall that triggered the review. Any necessary changes to control measures that affect these other outfalls must also be made before the next storm event if possible, or as soon as practicable following that storm event. The SWPPP must be modified to include any additional control measures required pursuant to this paragraph.

### I. CONSTRUCTION AUTHORIZATION

1. Authorization is hereby granted to construct treatment works and related equipment that collects, stores or treats storm water that may be required by the SWPPP developed pursuant to this permit.
2. This Authorization is issued subject to the following condition(s):
  - a. The issuance of this authorization:
    - i. does not release the Permittee from any liability for damage to persons or property caused by or resulting from the installation, maintenance, or operation of the proposed facilities;
    - ii. does not take into consideration the structural stability of any units or part of this project; and

## General NPDES Permit No. ILR00

- iii. does not release the Permittee from compliance with other applicable statutes of the State of Illinois or other applicable local law, regulations, or ordinances.
- b. If any statement or representation is found to be incorrect, this authorization may be revoked and the Permittee thereupon waives all rights thereunder.
- 3. Plans and specifications of all treatment equipment being included as a part of the Storm Water Management Practice shall be included in the SWPPP.
- 4. Any modification of or deviation from the plans and specifications originally submitted with the initial SWPPP requires amendment of the SWPPP.
- 5. Construction activities which result from treatment equipment installation, including clearing, grading, and excavation activities which result in the disturbance of one acre or more of land area, are not covered by this authorization. The Permittee shall contact the Agency regarding any additional required permit(s).

### J. MONITORING

- 1. Quarterly Visual Observation of Discharges – The requirements and procedures for quarterly visual observations are applicable to all facilities covered under this permit, regardless of the Permittee's sector of industrial activity.
  - a. The Permittee must perform and document a quarterly visual observation of a storm water discharge associated with industrial activity from each outfall. The visual observation must be made during daylight hours. If no storm event resulted in runoff during daylight hours on normal work days from the facility during a monitoring quarter, no visual observation is required for that quarter, provided the permittee documents that no observable runoff occurred. Normal work days do not include weekends or Federal holidays. The Permittee must sign and certify the documentation.
  - b. Visual observation must be made on samples collected within 1 hour of an actual discharge from a storm event equal to or greater than 0.25 inch in 24 hours. If it is not possible to take a sample within the first hour of the discharge, the sample must be collected as soon as practicable after the first hour and the Permittee must explain why it was not possible to take samples within the first hour. In the case of snowmelt, the samples must be taken from an actual discharge from the site. For storm events, samples must be collected from a storm event discharge at least 72 hours from the previous discharge. The 72 hour interval does not apply if the Permittee documents that a less than 72 hour event is representative for local storm events during the sampling period. The observation must document: unnatural color, odor, clarity, floatable solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution if present in the discharge. If visual observations indicate any unnatural color, odor, turbidity, floatable material, oil sheen or other indicators of storm water pollution, the Permittee shall obtain a sample and test for the parameter or the list of pollutants as provided pursuant to Part E.5.C.ii and E.5.d and initiate corrective action in Part H.
  - c. The Permittee must maintain visual observation reports onsite with the SWPPP. Each report must include the observation date and time, inspection personnel, outfall location, nature of the discharge (i.e., runoff or snow melt), visual quality of the storm water discharge (including observations of unnatural color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution), and probable sources of any observed storm water contamination.
  - d. The Permittee may exercise a waiver of the visual observation requirement at a facility that is inactive and unstaffed, as long as there are no industrial materials or activities exposed to storm water. If the Permittee exercises this waiver, the Permittee must maintain a certification with the SWPPP stating that the site is inactive and unstaffed, and that there are no industrial materials or activities exposed to storm water.
  - e. Representative Outfalls - If the Permittee's facility has two or more outfalls that are believed to discharge substantially identical effluents, based on similarities of the industrial activities, significant materials, size of drainage areas, and storm water management practices occurring within the drainage areas of the outfalls, the Permittee may conduct visual observation of the discharge at just one of the outfalls and report that the results also apply to the substantially identical outfall(s).
  - f. Visual observation documentation shall be made available to the Agency and general public upon written request.

## General NPDES Permit No. ILR00

### 2. Benchmark Monitoring.

This permit specifies pollutant benchmark concentrations that are applicable to certain sectors/subsectors as specified in Attachment 1. Benchmark monitoring data are primarily for the Permittee's use to determine the overall effectiveness of specific control measures and to assist Permittees in knowing when additional corrective action(s) may be necessary to comply with the discharge limitations in Part F.

- a. The benchmark concentrations are not discharge limitations. However, corrective action is required as the result of a benchmark exceedance pursuant to Part H.
- b. At the Permittee's discretion, more than four samples may be taken during separate runoff events and used to determine the average benchmark parameter concentration for facility discharges.
- c. **Applicability of Benchmark Monitoring:** The Permittee must monitor for any benchmark parameters specified for the industrial sector(s), both primary industrial activity and any co-located industrial activities, applicable to the discharge. Industry-specific benchmark concentrations are listed in the sector-specific sections of Attachment 1. If a facility is in one of the industrial sectors subject to benchmark concentrations that are hardness-dependent, the Permittee is required to submit representative hardness values of the receiving water. The hardness value shall be submitted with the initial benchmark report.
- d. Samples must be analyzed consistent with 40 CFR Part 136 analytical methods and using test procedures with quantitation limits at or below benchmark values for all benchmark parameters for which sampling is required.
- e. **Benchmark Monitoring Schedule** - Benchmark monitoring must be conducted quarterly for first four full quarters of permit coverage commencing no later than 180 days after the effective date of this permit.
  - i. **Data not exceeding benchmarks** - After collection of four quarterly samples, if the average of the four monitoring values for any parameter does not exceed the benchmark, monitoring requirements for that parameter for the permit term have been fulfilled;
  - ii. **Data exceeding benchmarks** - After the collection of four quarterly samples, if the average of the four monitoring values for any parameter exceeds the benchmark, the Permittee must, in accordance with Part H, review the selection, design, installation and implementation of the control measures to determine if modifications are necessary to meet the discharge limitations in this permit, and either:
    - A. Make the necessary modifications and continue quarterly monitoring until the Permittee has completed four additional quarters of monitoring for which the average does not exceed the benchmark; or
    - B. Make a determination that no further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practice to meet the technology discharge limitations or are necessary to meet the water-quality-based discharge limitations in Parts F.2 and F.3 of this permit, in which case the Permittee must continue monitoring once per year. The Permittee must also document the rationale for concluding that no further pollutant reductions are achievable, and retain all records related to this documentation with the SWPPP.
    - C. In accordance with Part H, the Permittee must review the control measures and perform any required corrective action immediately (or document why no corrective action is required), without waiting for the full four quarters of monitoring data, if an exceedance of the four quarter average is mathematically certain. If after modifying its control measures and conducting four additional quarters of monitoring, the average still exceeds the benchmark (or if an exceedance of the benchmark by the four quarter average is mathematically certain prior to conducting the full four additional quarters of monitoring), the Permittee must again review its control measures and take one of the two actions above.
  - iii. **Natural background pollutant levels** - Following the first four quarters of benchmark monitoring (or sooner if the exceedance is triggered by less than four quarters of data, see above), if the average concentration of a pollutant exceeds a benchmark value, and the Permittee determines that exceedance of the benchmark is attributable solely to the presence of that pollutant in the natural background, the Permittee is not required to perform corrective action or additional benchmark monitoring provided that:

## General NPDES Permit No. ILR00

- A. The average concentration of the benchmark monitoring results is less than or equal to the concentration of that pollutant in the natural background;
  - B. The Permittee document and maintain with the SWPPP, the supporting rationale for concluding that the benchmark exceedances are in fact attributable solely to natural background pollutant levels. The Permittee must include in the rationale any data previously collected by the Permittee or other sources (i.e., literature studies) that describe the level of natural background pollutants in the storm water discharge;
  - C. Notify the Agency on the Permittee's final quarterly benchmark monitoring report that the benchmark exceedances are attributable solely to natural background pollutant levels.
  - D. Permittees may discontinue monitoring natural background pollutants that occur solely from run-on sources provided the Permittee analyzes the pollutant in the run-on source during the benchmark monitoring period.
- f. Exception for Inactive and Unstaffed Sites - The requirement for benchmark monitoring does not apply at a facility that is inactive and unstaffed, provided there are no industrial materials or activities exposed to storm water. To qualify for any monitoring exception, the Permittee must meet the following requirements:
- i. Maintain a statement with the Permittee's SWPPP stating that the site is inactive and unstaffed, and that there are no industrial materials or activities exposed to storm water in accordance with the substantive requirements in 40 CFR 122.26(g) and sign and certify the statement in accordance with Attachment H 11.
  - ii. If a Permittee is not qualified for this exception at the time of permit coverage but during the permit term the Permittee becomes qualified because the facility is inactive and unstaffed, and there are no industrial materials or activities that are exposed to storm water, then the Permittee must notify Illinois EPA of this change in the next benchmark monitoring report. A Permittee may discontinue benchmark monitoring once Illinois EPA has been notified, and prepared and signed a certification statement concerning the facility's qualification for this monitoring exception.
- g. Representative Outfalls – If the Permittee's facility has two or more outfalls that are believed to discharge substantially identical effluents, based on similarities of the industrial activities, significant materials, size of drainage areas, and storm water management practices occurring within the drainage areas of the outfalls, the Permittee may conduct benchmark monitoring of the discharge at just one of the outfalls and report that the results also apply to the substantially identical outfall(s).

### K. REPORTING

1. The Permittee shall submit an electronic copy of the annual inspection report to the Agency. The report shall include results of the quarterly benchmark monitoring as required by Part J.2 and the quarterly facility inspections which are required by Part G of this permit. The report shall include, at a minimum, a review and update of the SWPPP. The Permittee shall submit modifications of the requirements of the plan to the Agency with the Annual Report. Permittees have 180 days to update their SWPPP to comply with the new requirements and then submit with the following annual report. The report shall also include documentation of any event (spill, treatment unit malfunction, etc.) which would require an inspection, results of the inspection, and any subsequent corrective maintenance activity. The report shall be completed and signed by the authorized facility employee(s) who conducted the inspection(s). The annual inspection report is considered a public document that shall be available to the public at any reasonable time upon request.
2. For new Permittees, the first Annual Report shall contain information gathered during the one year time period beginning with the initial effective date of coverage under this permit and shall be submitted no later than 60 days after this one year period has elapsed. Each subsequent report shall contain the previous year's information and shall be submitted no later than one year after the previous year's report was due.
3. Existing Permittees renewing coverage under this permit shall continue to submit the Annual Report no later than 60 days after the original date of effective coverage under a general storm water permit.
4. If the facility performs inspections more frequently than required by this permit, the results shall be included as additional information in the Annual Report.

## General NPDES Permit No. ILR00

5. The Permittee shall retain the annual inspection report on file for at least 3 years. This period may be extended by request of the Illinois EPA at any time.
6. Annual inspection reports shall be submitted to one of the following addresses:
  - a. Electronic Annual Reports should be submitted to:  
[epa.indannualinsp@illinois.gov](mailto:epa.indannualinsp@illinois.gov)
  - b. If electronic submittal is unavailable, reports should be mailed to:  
  
Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Compliance Assurance Section #19  
1021 North Grand Avenue East  
Annual Inspection Report  
P.O. Box 19276  
Springfield, Illinois 62794-9276
7. Any Permittee shall notify the owner of any regulated MS4 which receives storm water discharged from the facility that the industrial activity has received coverage of a general ILR00 permit. The Permittee shall submit any SWPPP or any annual inspection to the MS4 upon request by the MS4 owner.

### L. TERMINATION OF COVERAGE UNDER THIS PERMIT

Where all storm water discharges associated with industrial activity that have been authorized by this permit are eliminated, the operator of the facility may submit a termination request to the Agency at the address indicated in Part L.5 of this permit. The termination request shall include the name, address, telephone number, location of the facility, permit number, and a description of actions taken to eliminate the storm water discharge or other justification for the request. Coverage under this permit is not terminated until the Agency responds in writing on the termination request. All monitoring, inspections, and reporting, as described in this permit is required until coverage is terminated by the Agency.

1. The Agency may require any person authorized by this permit to apply for and/or obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the Agency to take action under this paragraph. The Agency may require any owner or operator authorized to discharge under this permit to apply for an individual NPDES permit or alternative general permit only if the owner or operator has been notified in writing that a permit application is required. This notice shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for the owner or operator to file the application, and a statement that on the effective date of the individual NPDES permit or the alternative general permit as it applies to the individual Permittee, coverage under this general permit shall automatically terminate. The Agency may grant additional time to submit the application upon request of the applicant. If an owner or operator fails to submit in a timely manner an individual NPDES permit or alternative general application required by the Agency under this paragraph then the applicability of this permit to the individual NPDES permitted is automatically terminated at the end of the day specified for application submittal. The Agency may require an individual NPDES or alternative general permit based on:
  - a. Information received which indicates the receiving water may be of particular biological significance pursuant to 35 Ill. Adm. Code 302.105(d)(6);
  - b. Whether the receiving waters are identified as impaired pursuant to the Agency's 303(d) listing and the site storm water is a potential contributing source of any parameter identified as a cause of that impairment; or
  - c. Size of industrial site, proximity of site to the receiving stream, inadequate discharge control, discharge characteristics, or applicable water quality standards, etc.
  - d. The Agency may also require monitoring of any storm water discharge from any site to determine whether an individual or alternative general permit is required.
2. Any owner or operator authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual or alternative general permit. The owner or operator shall submit an individual application with reasons supporting the request, in accordance with the requirements of 40 CFR 122.28, to the

## General NPDES Permit No. ILR00

Agency. The request shall be granted by issuance date of an individual permit or an alternative general permit if the reasons cited by the owner or operator are adequate to support the request.

3. When an individual NPDES permit is issued to an owner or operator otherwise subject to this permit, or the owner or operator is approved for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES Permittee is automatically terminated on the issuance date of the individual permit or the date of approval for coverage under the alternative general permit, whichever the case may be. When an individual NPDES permit is denied to an owner or operator otherwise subject to this permit, or the owner or operator is denied coverage under an alternative NPDES general permit, the applicability of this general permit to the individual NPDES Permittee is automatically terminated on the date of such denial, unless otherwise specified by the Agency.
4. The Permittee must submit a Notice of Termination (NOT) within 30 days after one or more of the following conditions have been met:
  - a. A change in ownership or operational control at the facility;
  - b. The Permittee has ceased operations at the facility, there are no discharges or no longer will be any discharges of storm water associated with industrial activity from the facility, and necessary sediment and erosion controls have been implemented; or
  - c. Coverage has been obtained under an individual or alternative general permit for all discharges required to be covered under an NPDES permit.
5. NOT submittals can be made to one of the following addresses:
  - a. Electronic NOTs should be submitted to:  
[epa.indannualinsp@illinois.gov](mailto:epa.indannualinsp@illinois.gov)
  - b. If electronic submittal is unavailable the NOT should be submitted to the follow address:  
Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Compliance Assurance Section #19  
1021 North Grand Avenue East  
Annual Inspection Report  
P.O. Box 19276  
Springfield, Illinois 62794-9276
6. Standard Condition 15 of Attachment H is not applicable to this General Permit.

### M. DEFINITIONS

1. Coal pile runoff means the rainfall runoff from or through any coal storage pile.
2. Control Measures means any storm water control or other method (including narrative effluent limitations) used to prevent or reduce the discharge of pollutants to waters of the state.
3. Discharge point or Outfall means the location where collected and concentrated storm water flows are discharged from the facility.
4. Green Infrastructure means wet weather management approaches and technologies that utilize, enhance or mimic the natural hydrologic cycle processes of infiltration, evapotranspiration and reuse. Green infrastructure approaches currently in use include green roofs, trees and tree boxes, rain gardens, vegetated swales, pocket wetlands, infiltration planters, porous and permeable pavements, porous piping systems, dry wells, vegetated median strips, reforestation/revegetation, rain barrels and cisterns and protection and enhancement of riparian buffers and floodplains.
5. Industrial activities means any of the 10 categories of industrial activities included in the definition of "storm water discharges associated with industrial activity" as defined in 40 CFR 122.26(b)(14)(i)-(ix) and (xi).
6. Land application site means an area where wastes are applied onto or incorporated into the soil surface for treatment or disposal.

## General NPDES Permit No. ILR00

7. Landfill means an area of land or an excavation in which wastes are placed for permanent disposal, and which is not a land application site, surface impoundment, injection well or waste pile.
8. MS4 or MS4 Owner means the owner or operator of a conveyance or system of conveyances for the movement of storm water as defined at 40 CFR § 122.26(b)(8).
9. Municipal Separate Storm Sewer is defined at 40 CFR 122.26(b)(8) and means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under Section 208 of the CWA that discharges to waters of the United States; (ii) Designed or used for collecting or conveying storm water; (iii) Which is not a combined sewer; and (iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.
10. Natural Background Pollutants include those substances that are naturally occurring in soils or ground water. Natural background pollutants do not include legacy pollutants from previous activity of the facility's site, or pollutants in run-on from adjacent sources which are not naturally occurring, such as other industrial sites or roadways.
11. Pollution Prevention means any practice which reduces the amount of any hazardous substance, pollutant or contaminant entering any waste stream or otherwise entering the environment prior to recycling, treatment or disposal and reduces the hazards to public health and the environment associated with the release of such substances, pollutants or contaminants.
12. Qualified Personnel means those persons who possess the knowledge and skills to assess conditions and activities that could impact storm water quality at the Permittee's facility, and who can also evaluate the effectiveness of control measures.
13. Run-on means sources of storm water that drain from land located upslope or upstream from the regulated facility in question.
14. Section 313 water priority chemical means a chemical or chemical categories which: 1) Are listed at 40 CFR 372.65 pursuant to Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) (also known as Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986); 2) are present at or above threshold levels at a facility subject to EPCRA Section 313 reporting requirements; and 3) that meet at least one of the following criteria: (i) Are listed in Appendix D of 40 CFR 122 on either Table II (organic priority pollutants), Table III (certain metals, cyanides, and phenols) or Table V (certain toxic pollutants and hazardous substances); (ii) are listed as a hazardous substance pursuant to section 311(b)(2)(A) of the CWA at 40 CFR 116.4; or (iii) are pollutants for which EPA has published acute or chronic water quality criteria.
15. Significant materials includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under section 101(14) of CERCLA; any chemical the facility is required to report pursuant to EPCRA Section 313; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with storm water discharges.
16. Significant spills includes, but is not limited to: releases of oil or hazardous substances in excess of reportable quantities under section 311 of the Clean Water Act (see 40 CFR 110.6 and CFR 117.21) or section 102 of CERCLA (see 40 CFR 302.4).

Note that additional definitions are included in the permit Standard Conditions, Attachment H.

**Attachment H  
Standard Conditions**

**Definitions**

**Act** means the Illinois Environmental Protection Act, 415 ILCS 5 as Amended.

**Agency** means the Illinois Environmental Protection Agency.

**Board** means the Illinois Pollution Control Board.

**Clean Water Act** (formerly referred to as the Federal Water Pollution Control Act) means Pub. L 92-500, as amended. 33 U.S.C. 1251 et seq.

**NPDES** (National Pollutant Discharge Elimination System) means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 402, 318 and 405 of the Clean Water Act.

**USEPA** means the United States Environmental Protection Agency.

**Daily Discharge** means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

**Maximum Daily Discharge Limitation** (daily maximum) means the highest allowable daily discharge.

**Average Monthly Discharge Limitation** (30 day average) means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

**Average Weekly Discharge Limitation** (7 day average) means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

**Best Management Practices** (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

**Aliquot** means a sample of specified volume used to make up a total composite sample.

**Grab Sample** means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

**24-Hour Composite Sample** means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period.

**8-Hour Composite Sample** means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8-hour period.

**Flow Proportional Composite Sample** means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot.

- (1) **Duty to comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirements.
- (2) **Duty to reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, this permit shall continue in full force and effect until the final Agency decision on the application has been made.
- (3) **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (4) **Duty to mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
- (5) **Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up, or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.
- (6) **Permit actions.** This permit may be modified, revoked and reissued, or terminated for cause by the Agency pursuant to 40 CFR 122.62 and 40 CFR 122.63. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- (7) **Property rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.
- (8) **Duty to provide information.** The permittee shall furnish to the Agency within a reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency upon request, copies of records required to be kept by this permit.

(9) **Inspection and entry.** The permittee shall allow an authorized representative of the Agency or USEPA (including an authorized contractor acting as a representative of the Agency or USEPA), upon the presentation of credentials and other documents as may be required by law, to:

- (a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.

(10) **Monitoring and records.**

- (a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- (b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of this permit, measurement, report or application. Records related to the permittee's sewage sludge use and disposal activities shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503). This period may be extended by request of the Agency or USEPA at any time.
- (c) Records of monitoring information shall include:
  - (1) The date, exact place, and time of sampling or measurements;
  - (2) The individual(s) who performed the sampling or measurements;
  - (3) The date(s) analyses were performed;
  - (4) The individual(s) who performed the analyses;
  - (5) The analytical techniques or methods used; and
  - (6) The results of such analyses.
- (d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. Where no test procedure under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.

(11) **Signatory requirement.** All applications, reports or information submitted to the Agency shall be signed and certified.

(a) **Application.** All permit applications shall be signed as follows:

- (1) For a corporation: by a principal executive officer of at least the level of vice president or a person or position having overall responsibility for environmental matters for the corporation;
- (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.

(b) **Reports.** All reports required by permits, or other

information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- (1) The authorization is made in writing by a person described in paragraph (a); and
  - (2) The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility; and
  - (3) The written authorization is submitted to the Agency.
- (c) **Changes of Authorization.** If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of (b) must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.
- (d) **Certification.** Any person signing a document under paragraph (a) or (b) of this section shall make the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(12) **Reporting requirements.**

(a) **Planned changes.** The permittee shall give notice to the Agency as soon as possible of any planned physical alterations or additions to the permitted facility.

Notice is required when:

- (1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source pursuant to 40 CFR 122.29 (b); or
  - (2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements pursuant to 40 CFR 122.42 (a)(1).
  - (3) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- (b) **Anticipated noncompliance.** The permittee shall give advance notice to the Agency of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (c) **Transfers.** This permit is not transferable to any person except after notice to the Agency.
- (d) **Compliance schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance

schedule of this permit shall be submitted no later than 14 days following each schedule date.

(e) **Monitoring reports.** Monitoring results shall be reported at the intervals specified elsewhere in this permit.

- (1) Monitoring results must be reported on a Discharge Monitoring Report (DMR).
- (2) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
- (3) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Agency in the permit.

(f) **Twenty-four hour reporting.** The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24-hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and time; and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The following shall be included as information which must be reported within 24-hours:

- (1) Any unanticipated bypass which exceeds any effluent limitation in the permit.
- (2) Any upset which exceeds any effluent limitation in the permit.
- (3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Agency in the permit or any pollutant which may endanger health or the environment.

The Agency may waive the written report on a case-by-case basis if the oral report has been received within 24-hours.

(g) **Other noncompliance.** The permittee shall report all instances of noncompliance not reported under paragraphs (12) (d), (e), or (f), at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (12) (f).

(h) **Other information.** Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in any report to the Agency, it shall promptly submit such facts or information.

(13) **Bypass.**

(a) Definitions.

- (1) Bypass means the intentional diversion of waste streams from any portion of a treatment facility.
- (2) Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

(b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient

operation. These bypasses are not subject to the provisions of paragraphs (13)(c) and (13)(d).

(c) Notice.

(1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

(2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph (12)(f) (24-hour notice).

(d) Prohibition of bypass.

(1) Bypass is prohibited, and the Agency may take enforcement action against a permittee for bypass, unless:

(i) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(ii) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

(iii) The permittee submitted notices as required under paragraph (13)(c).

(2) The Agency may approve an anticipated bypass, after considering its adverse effects, if the Agency determines that it will meet the three conditions listed above in paragraph (13)(d)(1).

(14) **Upset.**

(a) Definition. Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

(b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph (14)(c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

(c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and that the permittee can identify the cause(s) of the upset;

(2) The permitted facility was at the time being properly operated; and

(3) The permittee submitted notice of the upset as required in paragraph (12)(f)(2) (24-hour notice).

(4) The permittee complied with any remedial measures required under paragraph (4).

(d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

- (15) **Transfer of permits.** Permits may be transferred by modification or automatic transfer as described below:
- (a) Transfers by modification. Except as provided in paragraph (b), a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued pursuant to 40 CFR 122.62 (b) (2), or a minor modification made pursuant to 40 CFR 122.63 (d), to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act.
  - (b) Automatic transfers. As an alternative to transfers under paragraph (a), any NPDES permit may be automatically transferred to a new permittee if:
    - (1) The current permittee notifies the Agency at least 30 days in advance of the proposed transfer date;
    - (2) The notice includes a written agreement between the existing and new permittees containing a specified date for transfer of permit responsibility, coverage and liability between the existing and new permittees; and
    - (3) The Agency does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement.
- (16) All manufacturing, commercial, mining, and silvicultural dischargers must notify the Agency as soon as they know or have reason to believe:
- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant identified under Section 307 of the Clean Water Act which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
    - (1) One hundred micrograms per liter (100 ug/l);
    - (2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6 dinitrophenol; and one milligram per liter (1 mg/l) for antimony.
    - (3) Five (5) times the maximum concentration value reported for that pollutant in the NPDES permit application; or
    - (4) The level established by the Agency in this permit.
  - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the NPDES permit application.
- (17) All Publicly Owned Treatment Works (POTWs) must provide adequate notice to the Agency of the following:
- (a) Any new introduction of pollutants into that POTW from an indirect discharge which would be subject to Sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants; and
  - (b) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
  - (c) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.
- (18) If the permit is issued to a publicly owned or publicly regulated treatment works, the permittee shall require any industrial user of such treatment works to comply with federal requirements concerning:
- (a) User charges pursuant to Section 204 (b) of the Clean Water Act, and applicable regulations appearing in 40 CFR 35;
  - (b) Toxic pollutant effluent standards and pretreatment standards pursuant to Section 307 of the Clean Water Act; and
  - (c) Inspection, monitoring and entry pursuant to Section 308 of the Clean Water Act.
- (19) If an applicable standard or limitation is promulgated under Section 301(b)(2)(C) and (D), 304(b)(2), or 307(a)(2) and that effluent standard or limitation is more stringent than any effluent limitation in the permit, or controls a pollutant not limited in the permit, the permit shall be promptly modified or revoked, and reissued to conform to that effluent standard or limitation.
- (20) Any authorization to construct issued to the permittee pursuant to 35 Ill. Adm. Code 309.154 is hereby incorporated by reference as a condition of this permit.
- (21) The permittee shall not make any false statement, representation or certification in any application, record, report, plan or other document submitted to the Agency or the USEPA, or required to be maintained under this permit.
- (22) The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed \$25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than one year, or both. Additional penalties for violating these sections of the Clean Water Act are identified in 40 CFR 122.41 (a)(2) and (3).
- (23) The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or both.
- (24) The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.
- (25) Collected screening, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into waters of the State. The proper authorization for such disposal shall be obtained from the Agency and is incorporated as part hereof by reference.
- (26) In case of conflict between these standard conditions and any other condition(s) included in this permit, the other condition(s) shall govern.
- (27) The permittee shall comply with, in addition to the requirements of the permit, all applicable provisions of 35 Ill. Adm. Code, Subtitle C, Subtitle D, Subtitle E, and all applicable orders of the Board or any court with jurisdiction.
- (28) The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit is held invalid, the remaining provisions of this permit shall continue in full force and effect.

(Rev. 7-9-2010 bah)

# **Storm Water Pollution Prevention Plan**

**Downers Grove Sanitary District**

**LATEST REVISION OCTOBER 2, 2017**

## TABLE OF CONTENTS

	Page
1.0 INTRODUCTION .....	1
1.1 Background .....	1
1.2 SWPPP Content .....	1
2.0 SWPPP COORDINATOR AND TEAM, AND DUTIES .....	2
3.0 FACILITY DESCRIPTION .....	3
3.1 Facility Location .....	3
3.2 Site Activities .....	3
3.3 Site Description .....	3
3.4 Storm Water Drainage System .....	3
4.0 IDENTIFICATION OF POTENTIAL STORM WATER CONTAMINANTS ..	9
4.1 Significant Material Inventory .....	9
4.2 Historic Spill and Leak Record .....	10
4.3 Potential Areas for Storm Water Contamination .....	10
4.4 A Summary of Available Storm Water Sampling Data .....	10
4.5 303(d) Listed Parameters in Receiving Waters .....	10
4.6 Non-Stormwater Discharges .....	11
5.0 STORM WATER MANAGEMENT CONTROLS .....	13
5.1 Compliance with Other Programs .....	13
5.2 Storm Water Management Practices .....	13
5.3 Storm Water Treatment .....	16
6.0 MONITORING AND INSPECTION .....	16
6.1 Facility Monitoring Plan .....	16
6.2 Facility Inspection Plan .....	17
7.0 COMPLIANCE AND REPORTING REQUIREMENTS .....	17
7.1 SWPPP and SWPPP Summary .....	17
7.2 Employee Training .....	18
7.3 Implementation Schedule .....	18
7.4 Record Retention Requirements .....	18
7.5 Principal Executive Officer Signature .....	18
7.6 Corrective Actions and Amendment of the Plan .....	18
7.7 Corporate Certification .....	19
Appendix A: Quarterly Facility Inspection Form	
Quarterly Observation Worksheet	
Training Log	

## **LIST OF TABLES**

	<b>Page</b>
1 Characteristics of Storm Water Drainage .....	6
2 Significant Materials Used at Downers Grove Sanitary District .....	9
3 Locations of Potential Sources of Storm Water Contamination.....	12

## **LIST OF FIGURES**

	<b>Page</b>
1 Facility Location .....	4
2 Site Map .....	5

## **1.0 INTRODUCTION**

### **1.1 Background**

In 1972, Congress passed the Federal Water Pollution Control Act (FWPCA), also known as the Clean Water Act (CWA), to restore and maintain the quality of the nation's waterways. In 1987, the Water Quality Act (WQA) added provisions to the CWA that allowed the EPA to govern storm water discharges from industrial activities. EPA published the final notice for Phase I of the Multi-Sector General Storm Water Permit program in 1995 which included provisions for the development of a Storm Water Pollution Prevention Plan (SWPPP) by each industrial facility discharging storm water, including wastewater treatment facilities.

Development, implementation, and maintenance of the SWPPP will provide Downers Grove Sanitary District (DGSD) with the tools to reduce pollutants contained in storm water discharges and comply with the requirements of the Industrial Storm Water General Permit issued to the District by the State of Illinois (Permit No. ILR00). The primary goals of the SWPPP will be to:

1. Identify potential sources of pollutants that affect storm water discharges from the site.
2. Describe the practices that prevent or control the release of pollutants in storm water discharges.
3. Create an implementation schedule to ensure that the practices described in this SWPPP are in fact implemented, and to evaluate the plan's effectiveness in reducing the pollutant levels in storm water discharge.

### **1.2 SWPPP Content**

This SWPPP includes all of the following:

1. Identification of the SWPPP Coordinator with a description of this person's duties.
2. Identification of the SWPPP implementation team members.
3. Description of the facility including information regarding the facility's location and activities as well as a site description, maps, and a summary of the storm water drainage system.
4. Identification of potential storm water contaminants.
5. Description of storm water management controls and various Best Management Practices (BMPs) necessary to reduce pollutants in storm water discharges.
6. Description of the facility monitoring plan.

7. Description of the implementation schedule and provisions for amendment of the plan.

## **2.0 SWPPP COORDINATOR AND DUTIES**

The SWPPP Coordinator for the facility is the General Manager Nick Menninga (email: [nmenninga@dgsd.org](mailto:nmenninga@dgsd.org), phone number: 630-969-0664). The General Manager's duties as the Coordinator include the following:

- Create a SWPPP team to aid in the implementation of the SWPPP.
- Implement the SWPPP.
- Oversee maintenance practices identified as BMPs in the SWPPP.
- Implement and oversee employee training.
- Conduct or provide for inspection or monitoring activities.
- Identify other potential pollutant sources and make sure they are added to the SWPPP.
- Identify any deficiencies in the SWPPP and make sure they are corrected.
- Prepare and submit reports.
- Ensure that any changes in facility operation are addressed in the SWPPP.

To aid in the implementation of the SWPPP, the members of the SWPPP team are the District Maintenance Supervisor Jeff Barta (email: [jbarta@dgsd.org](mailto:jbarta@dgsd.org), phone number: 630-969-0664), Laboratory Supervisor Reese Berry (email: [rberry@dgsd.org](mailto:rberry@dgsd.org), phone number: 630-969-0664), and Operations Supervisor Marc Majewski (email: [mmajewski@dgsd.org](mailto:mmajewski@dgsd.org), phone number: 630-969-0664). Their responsibilities and duties will include the following:

- The Maintenance Supervisor will ensure the integrity of the structural items included in the SWPPP and BMPs.
- The Laboratory Supervisor will direct any sampling and analytical activities that may be required by the SWPPP, and will provide the documentation and reporting of available data when required.
- The Operations Supervisor will ensure that all housekeeping and monitoring procedures are implemented.

### **3.0 FACILITY DESCRIPTION**

#### **3.1 Facility Location**

The Downers Grove Sanitary District Wastewater Treatment Center is located at 5003 Walnut Avenue in Downers Grove, Illinois. Figure 1 presents a map showing the location of the site. The facility is a 62.85 acre parcel located in DuPage County, Section 12, Township 38N, Range 10E.

#### **3.2 Site Activities**

The District Wastewater Treatment Center is a tertiary wastewater treatment facility with a design capacity of 11.0 million gallons per day. Discharge from the facility occurs at the East Branch of the DuPage River and St. Joseph Creek. A byproduct of the treatment process is the production of digested sludge or biosolids. The District operates a Public Distribution Program as the primary disposal method for the biosolids. The District has an NPDES Permit for this facility, Permit No. IL 0028380. Based on site activities, the District falls under the Standard Industrial Classification code of 4952. The facility operates 24 hours per day, 7 days per week, and maintains a staff of approximately 16 people.

#### **3.3 Site Description**

The total area of the site is 62.85 acres. Approximately 5.78 acres, or 9 percent, is impervious (i.e., pavement, buildings). The remainder of the site consists of 10.33 acres of process treatment units (i.e., aeration tanks, settling tanks or clarifiers, digesters, sludge drying beds, sludge lagoons, biosolids storage bin and pad) and 46.74 acres of grass-covered and wooded area. Twenty-two storm drains and nine drainage areas are located throughout the property. Figure 2 is a facility layout map showing the major site features and the locations of the storm drains, drainage areas and treatment processes.

#### **3.4 Storm Water Drainage System**

The site can be divided into 9 drainage areas. Table 1 describes the significant characteristics of each drainage area. Figure 2 shows the locations of the drainage areas, the storm water discharge points or outfalls, and treatment process areas.

Drainage areas DA-01, DA-02, DA-03, DA-04, DA-06, DA-08, and DA-09 ultimately discharge to St. Joseph Creek. St. Joseph Creek is located along the south end of the treatment facility and empties into the East Branch of the DuPage River approximately two miles downstream. Drainage area DA-5 discharges into a 42-inch pipe located within the facility site and is connected to the effluent discharge pipe of the final treatment process. The effluent pipe discharges approximately two miles downstream from the facility site into the East Branch of the DuPage River. Drainage area DA-07 is a retention area within the facility and storm water flows are discharged into the WWTC for complete treatment.

**Figure 1**

Downers Grove Sanitary District  
Topographic Map One (1) Mile Beyond WWTC Boundaries  
NPDES Permit Application  
Form 2A, Part B.2.  
Form 2S, Part A.5.  
January, 2012



**Legend**



Note: All wastewater and sludge treatment and storage occurs within the WWTC boundary.

**FIGURE 2**  
**STORM WATER POLLUTION PREVENTION PLAN**  
**STRUCTURAL BMPs**



**Baxter & Woodman**  
 Crystal Lake, Illinois 815.452.1000  
 Aurora, Illinois 630.592.0000  
 Burlington, Vermont 802.251.5200  
 Dallas, Texas 214.352.2111  
 Philadelphia, Illinois 607.222.0100  
 Peapack, Illinois 847.516.1000  
 Aurora, Illinois 630.770.5000  
 Aurora, Illinois 630.451.0000  
 Chicago, Illinois 773.670.8000

**TABLE 1**  
**Characteristics of Storm Water Drainage**

<b>Drainage Area</b>	<b>Storm Water Flow Description</b>	<b>Total Size (sq. feet)</b>	<b>Impervious Surface Area (sq. feet)</b>	<b>Runoff Coefficient*</b>	<b>Drainage Discharge Point</b>
DA-01	Biosolids Storage area and Nursery: Sheet flow across biosolids pad and bin returns to WWTC, and does <u>not</u> leave the site as storm runoff. Sheet flow across covered storage area and overland flow across nursery and grass-covered area is discharged to St. Joseph Creek	326,875	29,150	Low	St. Joseph Creek
DA-02	Biosolids Storage area and Driveways: Sheet flow across biosolids bin, storage beds, and curbed road south and west of bin returns to WWTC, and does <u>not</u> leave the site as storm runoff. Roof drains from the belt filter press building discharge to St. Joseph Creek. Sheet flow across entrance driveway and overland flow across grass-covered areas west of driveway is discharged to St. Joseph Creek.	219,219	40,551	Low	St. Joseph Creek
DA-03	West Side Process Treatment Area: Sheet flow across excess flow tanks and chlorine tank returns to WWTC, and does <u>not</u> leave the site as storm runoff. Roof drains from the dechlorination building, excess flow sludge pumping station, and microstrainer / sand filter building, discharge to grass-covered areas that discharge to St. Joseph Creek. Sheet flow across paved parking lot area and driveways discharge to grass-covered areas that discharge to St. Joseph Creek.	204,844	31,343	Low	St. Joseph Creek
DA-04	Center Process Treatment Area: Sheet flow across intermediate clarifiers returns to WWTC, and does <u>not</u> leave the site as storm runoff. Sheet flow across the digester covers and grease receiving station enters the unit process and does <u>not</u> leave the site as storm runoff. Roof drains from the maint. service building, hypochlorite building, the digester control building, and drawoff building discharge to grass-covered areas. Sheet flow from paved driveways discharge to grass-covered areas. Overland flow across grass-covered areas discharge to St. Joseph Creek.	208,439	38,280	Low	St. Joseph Creek

<b>Drainage Area</b>	<b>Storm Water Flow Description</b>	<b>Total Size (sq. feet)</b>	<b>Impervious Surface Area (sq. feet)</b>	<b>Runoff Coefficient*</b>	<b>Drainage Discharge Point</b>
DA-05	North Side Service Building Area: Roof drains from the system garage and CHP building discharge to grass-covered areas that discharge to storm sewer inlets I-01, I-02, and I-03.	54,375	25,458	Medium	East Branch DuPage River
DA-06	East Side Process Treatment Area: Roof drains from blower building no. 2 discharge to paved areas or grass-covered areas. Sheet flow across paved areas and overland flow across grass-covered areas discharge to I-14, I-15, I-16, I-17, and I-18. Sheet flow across secondary clarifiers, sludge lagoon, aeration tanks, concentrators, and sludge drying beds, remains in the WWTC and does not leave the site as storm water runoff. Sheet flow across compacted gravel and overland flow across grass-covered areas discharge to I-19, I-20, I-21, and I-22. Sheet flow across paved driveways and compacted gravel driveways adjacent to drying beds remains in the WWTC, and does not leave the site as storm runoff.	574,375	25,036	Medium	St. Joseph Creek

<b>Drainage Area</b>	<b>Storm Water Flow Description</b>	<b>Total Size (sq. feet)</b>	<b>Impervious Surface Area (sq. feet)</b>	<b>Runoff Coefficient*</b>	<b>Drainage Discharge Point</b>
DA-07	South Side Process Treatment Area: Sheet flow across paved areas, and the sludge drying beds and storage bed, remains in the WWTC and does not leave the site as storm runoff. Roof drains from the influent pumping stations and the grit removal building discharge across grass-covered areas and remain in the WWTC, and do not leave the site as storm water runoff. Roof drains from digester control building no. 3, operations center, grease receiving station and blower building no.1, discharge to grass-covered areas that are collected and returned to the head of the plant. Roof drains from the laboratory building and digester control building no. 1/2, discharge to paved areas and grass-covered areas that are returned to the head of the plant. Sheet flow across the digester covers, grit basins, primary tanks, secondary clarifiers, and aeration tanks remains in the WWTC process, and does not leave the site as storm runoff.	234,375	39,322	Low	Into Wastewater Treatment Center
DA-08	Curtiss Street Lagoons: Sheet flow across the site remains in the process and returns to the WWTC, and does not leave the site as storm water runoff. Overland flow across grass-covered areas discharges to St. Joseph Creek. Sheet flow across the covered biosolids pick-up station discharges to paved area. Sheet flow across paved area discharges to storm retention basin.	185,850	5,000	Low	St. Joseph Creek
DA-09	South of St. Joseph Creek: Overland flow across grass-covered areas discharges to St. Joseph Creek. Roof drains from the Administration Center located on Curtiss Street discharge overland across grass covered areas. Sheet flow across pavement at the Administration Center discharges to grass-covered areas and to St. Joseph Creek.	748,455	17,844	Low	St. Joseph Creek
	Total Size (sq. feet)	2,756,807	251,984		
	Total Acres	63.29	5.78		

## 4.0 IDENTIFICATION OF POTENTIAL STORM WATER CONTAMINANTS

This section identifies significant materials located at the facility that may potentially contaminate storm water. Additionally, the section presents a record of past spills and leaks, identifies potential areas for storm water contamination, and summarizes available storm water sampling data.

### 4.1 Significant Material Inventory

Materials used by the facility that have the potential to be present in storm water runoff are listed in Table 2. Due to the handling and transportation required, Biosolids is the most significant material with the potential to impact the SWPPP. Other items listed in the table are incidental in their impact on the SWPPP, and do not pose a serious threat to the pollution of storm water runoff at the site. Table 2 includes information regarding material type, chemical and physical description, and the specific regulated storm water pollutants associated with each material.

**TABLE 2**  
**Significant Materials used at Downers Grove Sanitary District**

Material	Chemical / Physical Description	Storm Water Pollutants
Biosolids	Digested sludge containing organic and inorganic material	Amm-N, TSS
Leaks or spills from vehicles and other mechanical equipment: hydraulic oil, brake fluid, antifreeze, windshield washer fluid, gasoline, battery acid, transmission fluid, motor oil, and diesel fuel.	Colors may include the following: black/brown, clear blue, clear green/ yellow / red, white translucent, solid re, amber. Appearance such as: oily liquid, syrupy liquid, gel, or water.	FOG
Hauled Fats Oils and Grease waste	Food-grade liquid grease waste with distinctive odor, generally grey or brown	FOG

#### **4.2 Historic Spill and Leak Record**

According to the facility records, there have not been any spills in uncovered areas of the facility in the past five years.

#### **4.3 Potential Areas for Storm Water Contamination**

The following potential source areas of storm water contamination were identified and evaluated:

Driveways: Biosolids are removed from the sludge drying beds and the belt filter press and transported by way of dump trucks to the storage sites. During loading and stockpiling material into the dump truck, some minor amounts of biosolids may spill off the truck dump body or tires while in transportation along the driveways. In addition, tractor/loader equipment used in the biosolids removal work have similar potential problems. Biosolids contain Amm-N which would appear at elevated levels in contaminated storm water.

Biosolids Storage Area: Biosolids are stored in uncovered concrete bins and on an uncovered storage pad. Handling of the biosolids within these areas can cause spillage of the material onto the adjoining paved driveways.

Driveways and Parking Lots: District equipment and employee vehicles travel and park throughout the facility on paved driveways and paved parking lots. Leaking fluids from the parked vehicles can potentially contaminate storm water from these areas. These contaminants would appear as oil & grease or as an oily sheen observed on storm water.

Table 3 presents site specific information regarding storm water pollution potential from each of these areas. The covered sludge storage area is the only bio-solids handling area that is covered. All other bio-solids handling areas are drained to the head of the plant for complete treatment, making covers for these areas unnecessary.

#### **4.4 A Summary of Available Storm Water Sampling Data**

The District has no available sampling data because sampling has not been conducted at the site to date. Quarterly sample observations since 2009 have revealed no observed characteristics of contamination.

#### **4.5 303(d) Listed Parameters in Receiving Waters**

The East Branch of the DuPage River (EBDPR) (segment GBL-10) and St. Joseph Creek (SJC) (GBLB-01) are identified as impaired in the latest draft **ILLINOIS INTEGRATED WATER QUALITY REPORT AND SECTION 303(d) LIST – 2016**, Dated July, 2016.

EBDPR is reported to be impaired for Aquatic Life, Fish Consumption, and Primary Contact Recreation. The potential causes of these impairments are identified as Arsenic, Dieldrin, Hexachlorobenzene, Methoxychlor, Phosphorus (Total), Polychlorinated biphenyls, and Fecal Coliform. An approved TMDL is on file for the stream. The approved TMDL does not include any wasteload allocation for industrial stormwater.

SJC is reported to be impaired for Aquatic Life. The potential causes of this impairment are identified as Oil and Grease, Dissolved Oxygen and Total Suspended Solids (TSS). There is no approved TMDL for this stream.

#### **4.6 Non-stormwater Discharges**

Ongoing implementation of the SWPPP verifies the absence of unauthorized non-storm water discharges. Regular inspections and regular monitoring conducted per this plan and preceding plan versions have verified and continue to verify by visual inspection of storm water operations, and visual inspection of storm water samples, that no unauthorized non-storm water discharges are present in the permitted storm water discharge.

**TABLE 3**  
Locations of Potential Sources of Storm Water Contamination

<b>Drainage Area</b>	<b>Potential Storm Water Contamination Point</b>	<b>Potential Pollutant</b>	<b>Potential Problem</b>
DA-01	Biosolids storage area	Biosolids, vehicle leaks	Biosolids spillage on driveways. Leaking fluids from vehicles / equipment on driveways.
DA-02	Biosolids storage area and driveways	Biosolids, vehicle leaks	Biosolids spillage on driveways. Leaking fluids from vehicles / equipment on driveways.
DA-03	West side process treatment area	Biosolids, vehicle leaks	Biosolids spillage on driveways. Leaking fluids from vehicles / equipment on driveways.
DA-04	Center process treatment area	Biosolids, grease, vehicle leaks	Biosolids spillage on driveways. Leaking fluids from vehicles / equipment on driveways.
DA-05	North side service building area	Biosolids, vehicle leaks	Biosolids spillage on driveways. Leaking fluids from vehicles / equipment on driveways.
DA-06	East side process treatment area	Biosolids, vehicle leaks	Biosolids spillage on driveways. Leaking fluids from vehicles / equipment on driveways.
DA-07	South side process treatment area	Biosolids, grease, vehicle leaks	None - storm water does not leave the site
DA-08	Curtiss street lagoon area	Biosolids, vehicle leaks	Biosolids spillage on driveways. Leaking fluids from vehicles / equipment on driveways.
DA-09	South of St. Joseph Creek area at Administration Center parking lot and driveway	Vehicle leaks	Leaking fluids from vehicles / equipment on pavement.

## **5.0 STORM WATER MANAGEMENT CONTROLS**

This section discusses the storm water management controls required by the permit and describes the management practices selected to address the areas of concern identified in Section 4 of this SWPPP.

### **5.1 Compliance with Other Programs**

Operation of the District WWTC is regulated by National Pollutant Discharge Elimination System Permit No. IL0028380. Since this Permit regulates the discharge of sanitary and industrial wastewater, the potential of this wastewater as a storm water contaminant is not addressed in the SWPPP.

### **5.2 Storm Water Management Practices**

Upon reviewing the potential pollutants at the facility and the facility operations, the District prepared a list of planned Best Management Practices (BMPs). These BMPs will control the discharge of potential pollutants in storm water runoff from each area of concern.

The following describes the specific sites and steps for each area as indicated in Tables 1 and 3. These sites appear on the map in Figure 2.

#### **DA-01**

To prevent storm water impacts in the Nursery and Biosolids Storage areas (DA-01), the following BMPs will be implemented:

- Biosolids spillage on the paved driveways will be removed expeditiously in order to prevent any runoff during a storm event.
- A manhole with grated cover is currently in place within the driveway, south of the biosolids storage bin, and is able to collect biosolids runoff from this area. Flow from this manhole discharges to the WWTC process.
- Curbing along portions of the driveway perimeter provides for containment and cleanup of biosolids.

#### **DA-02**

To prevent storm water impacts in the Biosolids Storage and Driveway areas (DA-02), the following BMPs will be implemented:

- Biosolids spillage on the paved driveways will be removed expeditiously in order to prevent any runoff during a storm event.

- Curbing along portions of the driveway perimeter provides for better containment and cleanup of biosolids.
- A manhole with grated cover and piping within the driveway northeast of the biosolids storage bin collects any biosolids runoff. Flow from the manhole discharges to the WWTC process.

### **DA-03**

To prevent storm water impacts in the West Side Process Treatment areas (DA-03), the following BMPs will be implemented:

- Biosolids spillage on the paved driveways will be removed expeditiously in order to prevent any runoff during a storm event.

### **DA-04**

To prevent storm water impacts in the Center Process Treatment areas (DA-04), the following BMPs will be implemented:

- Biosolids and hauled grease waste spillage on the paved driveways will be removed expeditiously in order to prevent any runoff during a storm event.

### **DA-05**

To prevent storm water impacts in the North Side Service Building areas (DA-05), the following BMPs will be implemented:

- Biosolids spillage on the paved driveways will be removed expeditiously in order to prevent any runoff during a storm event.

### **DA-06**

To prevent storm water impacts in the East Side Process Treatment areas (DA-06), the following BMPs will be implemented:

- Biosolids spillage on the paved driveways will be removed expeditiously in order to prevent any runoff during a storm event.
- A berm at the south end of the six sludge drying beds located north of St. Joseph Creek prevents accidental spillage of material on the grass-covered area during periods of sludge removal from the drying beds.

#### **DA-07**

To prevent storm water impacts in the South Side Process Treatment areas (DA-07), the following BMPs will be implemented:

- Biosolids and hauled grease waste spillage on the paved driveways will be removed expeditiously in order to maintain good housekeeping. Biosolids within this area are contained by way of a berm located to the south and west sides of the sludge drying beds. Storm water runoff in this area is discharged into the WWTC.

#### **DA-08**

To prevent storm water impacts at the Curtiss Street Lagoon areas (DA-08), the following BMPs will be implemented;

- Biosolids spillage on the paved driveways at the biosolids pick-up station will be removed expeditiously in order to prevent any runoff during a storm.

#### **DA-09**

To prevent storm water impacts at the area South of St. Joseph Creek (DA-09), the following BMPs will be implemented;

- As indicated in Site Wide Control Measures (following section), fluid leaks from vehicles on the pavement areas at the Administration Center, and at the entrance road to the WWTC, will be removed in an expeditious manner.

#### **Site Wide Control Measures**

As an added step to preventing storm water contamination from the entire site, the following good housekeeping BMPs will be implemented:

- Employee vehicles and District vehicles travel and park throughout the paved areas of the site. Fluid leaks from the vehicles will be removed from the pavement in an expeditious manner.
- A street sweeping machine will periodically clean the driveways and parking areas.
- Waste materials are regularly picked up and properly disposed of, and process areas are routinely inspected for spills or leaks. Outdoor garbage dumpster covers are kept closed.
- Use of chemicals in spillable quantities is conducted inside buildings where indoor drainage and secondary containment is specifically designed to prevent

any contact with storm water or release beyond the building. MSDS and accompanying clean-up instructions are kept on-site for all chemicals.

- Mercury-containing convenience lighting switches and anti-lock braking assemblies will be removed from vehicles and recycled in an approved manner in a way which prevents mercury from entering the storm water discharges.
- Waste chemicals including antifreeze, degreasers, and used oils will be recycled or disposed of in an approved manner and in a way which prevents them from entering storm water discharges. Waste chemicals shall be stored and handled in covered areas to prevent contact with storm water.

### **5.3 Storm Water Treatment**

No storm water treatment measures are currently in place at the facility.

## **6.0 MONITORING AND INSPECTION**

### **6.1 Facility Monitoring Plan**

The Laboratory Supervisor will be responsible for quarterly visual observation of storm water discharges and annual analysis. Grab samples will be collected during daylight from the two discharge locations:

- storm manhole labeled MH-07 on Figure 2, located at the southeast corner of the plant property adjacent to St. Joseph Creek, and
- storm manhole labeled I-03 on Figure 2, located just southwest of the canopy of the CHP building.

The storm event should be larger than 0.25 inches of precipitation in a 24-hour period, and should occur at least 72 hours after the previous measurable event. The sample will be collected within one hour of the beginning of the discharge event in a clear bottle and observations recorded on the Quarterly Observation Worksheet in Appendix A. If evidence of contamination is apparent, additional sample shall be collected as needed, and the sample shall be tested for the appropriate parameter(s) in order to characterize the contamination. Once per year, the sample collected at MH-07, tributary to St. Joseph Creek, will be analyzed for the TMDL parameters dissolved oxygen, total suspended solids, and fats, oils and grease (FOG), following 40 CFR 136 for grab sample collection, handling and analysis. There are no applicable benchmark pollutants. Completed Quarterly Observation Worksheets and associated sample results shall be kept with this plan.

If no storm event results in runoff during daylight hours on normal work days during a monitoring quarter, the laboratory supervisor will document the occurrence by signing and certifying the appropriate area of the quarterly monitoring sheet.

## **6.2     Facility Inspection Plan**

The District will perform quarterly visual inspections of all storm drainage areas to look for evidence of storm water or non-storm water contamination. The Operations Supervisor will be responsible for completion of the visual inspections. The inspector shall consider the results of the previous year's monitoring and inspection results when planning and conducting inspections.

Inspections shall include identification and any blowing or tracking of materials, residue, trash, leaks, or spills that might contaminate storm water discharges. BMPs such as curbing, berming and housekeeping shall be inspected for continuing adequate control.

At least one of these inspections will be conducted during a storm event within 72 hours of the beginning of an event equal to or greater than 0.25 inches in a 24-hour period, and shall include observation of discharge points MH-07 and I-03.

Dry weather inspections will verify the site is not discharging sanitary or process water to any outfall point.

Information recorded during the inspections shall include date of inspection, storm system inlet or drainage area location, inspection results, and potential significant sources of storm water contaminants or non-storm water if discovered. The form to be used for these inspection reports is included in Appendix A.

## **7.0     COMPLIANCE AND REPORTING REQUIREMENTS**

### **7.1     SWPPP and SWPPP Summary**

An annual storm water compliance inspection report will be prepared and submitted. The inspection report will include quarterly inspection reports, identification of needed corrective actions, and any changes in site operations since development of this SWPPP. The report shall also include documentation of any event which would require an inspection, the results of such an inspection, and any resulting corrective actions. The report shall be signed by the employee(s) conducting the inspections.

If operational changes have been made or corrective actions identified, the SWPPP Coordinator will determine if those changes will impact storm water quality and develop new measures to address the changes. All operational changes, control measures and new BMPs will be recorded in updates of this SWPPP.

The District is required to submit any updated versions of its SWPPP electronically to IEPA at the same time as the annual report. The current SWPPP and at least the 3 most recent years of annual inspection reports will be kept at the facility and be made available to the public, state or federal compliance inspection officers upon request.

The annual report shall be submitted by e-mail to:

[Epa.indannualinsp@illinois.gov](mailto:Epa.indannualinsp@illinois.gov)

The annual report shall cover the period from May 1 to April 30, and shall be submitted by June 29, 60 days after the last day of the reporting period.

## **7.2 Employee Training**

The employee training program educates plant employees about the requirements of the SWPPP. This education program includes background on the components and goals of the SWPPP and hands-on training in spill prevention and response, good housekeeping, proper material handling, disposal and control of waste, container filling and transfer, and proper storage, washing, and inspection procedures. All plant employees will be required to participate in this training on an annual basis. An employee log to be used for each session is included in Appendix A. The training program will be reviewed annually by the SWPPP Coordinator to determine its effectiveness and to make any necessary changes to the program.

## **7.3 Implementation Schedule**

In accordance with the requirements of the Permit, the SWPPP will be followed in accordance with the timetables and frequencies identified herein.

## **7.4 Record Retention Requirements**

In accordance with the Standard Conditions of the Permit, records described in the SWPPP must be retained on site for a period of 3 years. The SWPPP and all records shall be made available to the state or federal compliance inspection officer or the public upon request.

## **7.5 Principal Executive Officer Signature**

In accordance with the conditions of the Permit, this plan has been approved and signed by the General Manager, the authorized representative responsible for the operation of the facility.

## **7.6 Corrective Actions and Amendment of the Plan**

The following conditions will result in corrective actions, SWPPP review and revision:

- An unauthorized release or discharge from the facility
- Existing control measures are not adequate to meet water quality standards or conditions of Permit ILR00
- A required control measure is not adequately operated or maintained
- Visual observations of storm water pollution

- The facility expands, experiences any significant process modifications, or changes any significant material handling or storage practices which could impact storm water pollutant discharges.

Corrective actions include immediate action needed to discontinue the discharge of pollutants, and timely subsequent actions needed to prevent any further pollutant discharges. Corrective actions include documentation of the condition requiring the action, date of condition identification, immediate response actions and dates, subsequent actions and dates, and any circumstances that make subsequent actions infeasible in a 14-day period.

The SWPPP will be reviewed and amended appropriately, and submitted with the annual inspection report.

### **7.7 Corporate Certification**

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manages the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I also certify that, to the best of my knowledge, the storm water, which is discharged from this facility/site, does not contain process wastewater, domestic wastewater, or cooling water.

  
\_\_\_\_\_  
Nick Menninga  
General Manager

Date: October 2, 2017

## **Appendix A**

Quarterly Facility Inspection Form  
Quarterly Observation Worksheet  
Plant Employee Training Log

# SWPPP QUARTERLY INSPECTION REPORT FORM

Date, Time of Inspection \_\_\_\_\_ Quarter Period (circle one): 5/1-7/31   8/1-10/31   11/1-1/31   2/1-4/30

Inspector Name/Signature: \_\_\_\_\_ Rain Event:   Y   N

Rainfall Description: \_\_\_\_\_

Outfall / Discharge description:   MH-07 \_\_\_\_\_   I-03 \_\_\_\_\_

## Drainage Area Observations

Drainage Area	Identify observed materials, residue, trash, leaks or spills that might contaminate storm water	Changes in drainage condition or operation since last inspection	Identify observed dry weather discharges	Current BMPs	BMPs Adequate? (Y/N) If not, describe
DA-01				Biosolids and fluids removed as soon as possible, curbing.	
DA-02				Biosolids and fluids removed as soon as possible, curbing.	
DA-03				Biosolids and fluids removed as soon as possible.	
DA-04				Biosolids and fluids removed as soon as possible.	

### Drainage Area Observations (cont'd)

Drainage Area	Identify observed materials, residue, trash, leaks or spills that might contaminate storm water	Changes in drainage condition or operation since last inspection	Identify observed dry weather discharges	Current BMPs	BMPs Adequate? (Y/N) If not, describe
DA-05				Biosolids and fluids removed as soon as possible.	
DA-06				Biosolids and fluids removed as soon as possible, berm.	
DA-07				Biosolids and fluids removed as soon as possible, berm.	
DA-08				Biosolids and fluids removed as soon as possible.	
DA-09				Fluids removed as soon as possible.	

Special circumstances (if applicable) \_\_\_\_\_

## SWPPP QUARTERLY OBSERVATION WORKSHEET

Analyst Name \_\_\_\_\_

Quarter Period (circle one): 5/1-7/31   8/1-10/31   11/1-1/31   2/1-4/30

Date \_\_\_\_\_ Time: \_\_\_\_\_

Nature of Discharge (i.e., runoff or snow melt) \_\_\_\_\_

Color \_\_\_\_\_

Odor \_\_\_\_\_

Clarity \_\_\_\_\_

Floating Solids \_\_\_\_\_

Suspended Solids \_\_\_\_\_

Settled Solids \_\_\_\_\_

Foam \_\_\_\_\_

Oil Sheen \_\_\_\_\_

Other \_\_\_\_\_

Probable Sources of Contamination \_\_\_\_\_

Further Analysis Needed (circle one)      Y      N

Parameter for Analysis (circle one)    FOG      Amm-N      Other \_\_\_\_\_

MH-07 Analysis      Y      N

If yes, results: DO: \_\_\_\_\_ mg/l    TSS: \_\_\_\_\_ mg/l    FOG: \_\_\_\_\_ mg/l

No measurable runoff for monitoring quarter      Y      N

If yes, I certify that no observable runoff occurred during daylight hours on normal work days this monitoring quarter.

\_\_\_\_\_  
Signature, Laboratory Supervisor

## SWPPP PLANT EMPLOYEE TRAINING LOG

Date of Training: \_\_\_\_\_

In attendance:

[illegible]

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 2016-60752

PERMIT NO.: 2016-SC-60752

FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS

DATE ISSUED: May 2, 2016

PREPARED BY: Downers Grove Sanitary District

SUBJECT: DOWNERS GROVE SANITARY DISTRICT-Land application of Sewage Sludge

RECEIVED

MAY 03 2016

DOWNERS GROVE  
SANITARY DISTRICT

PERMITTEE TO OPERATE

Downers Grove Sanitary District  
2710 Curtiss Street  
Downers Grove, Illinois 60515

Permit is hereby granted to the above designated permittee(s) to operate water pollution control facilities described as follows:

Application of approximately 2000 dry tons per year of anaerobically digested sewage sludge to agricultural lands at rates not to exceed the agronomic nitrogen demand of the crop grown.

Also included under this permit is the distribution of sludge to the general public pursuant to 35 Ill. Adm. Code 391.204.

This operating permit expires on March 31, 2021.

This permit renews and replaces Permit Number 2011-SC-1798 which was previously issued for the herein permitted facilities.

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplemental Permit.

SPECIAL CONDITION 1: For the duration of this permit, the permittee shall determine the quantity of sludge produced by the treatment facility in dry tons or gallons with a percent total solids analysis. The permittee shall maintain adequate records of the quantities of sludge produced and have said records available for Agency inspection. The permittee shall submit to the Agency a semi-annual summary report of the quantities of sludge generated and disposed (in units of dry tons) by different disposal methods including but not limited to application on farmland, application on reclamation land, landfilling, public distribution, dedicated land disposal, sod farms, storage lagoons or any other specified disposal method. Said reports shall be submitted to the Agency by January 31 and July 31 of each year reporting the preceding July through December and January through June sludge disposal operations respectively. The permittee shall submit the semi-annual sludge management report to the following address:

Page 1 of 5

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

SAK:jmc:n:\bow\permits\wpdocs\docs\permits\statecon  
\cowles\2016-60752.docx

DIVISION OF WATER POLLUTION CONTROL

cc: EPA-Des Plaines FOS  
Records - Municipal  
Binds

*Alan Keller by AKO*

Alan Keller, P.E.  
Manager, Permit Section

**READ ALL CONDITIONS CAREFULLY:  
STANDARD CONDITIONS**

The Illinois Environmental Protection Act (Illinois Revised Statutes Chapter 111-12, Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

1. Unless the construction for which this permit is issued has been completed, this permit will expire (1) two years after the date of issuance for permits to construct sewers or wastewater sources or (2) three years after the date of issuance for permits to construct treatment works or pretreatment works.
2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any agent duly authorized by the Agency upon the presentations of credentials:
  - a. to enter at reasonable times, the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit;
  - b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;
  - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit;
  - d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants;
  - e. to enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
  - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located;
  - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
  - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
  - d. does not take into consideration or attest to the structural stability of any units or parts of the project;
  - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. Unless a joint construction/operation permit has been issued, a permit for operating shall be obtained from the agency before the facility or equipment covered by this permit is placed into operation.
7. These standard conditions shall prevail unless modified by special conditions.
8. The Agency may file a complaint with the Board for suspension or revocation of a permit:
  - a. upon discovery that the permit application contained misrepresentations, misinformation or false statement or that all relevant facts were not disclosed; or
  - b. upon finding that any standard or special conditions have been violated; or
  - c. upon any violation of the Environmental Protection Act or any Rules or Regulation effective thereunder as a result of the construction or development authorized by this permit.

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT**

**LOG NUMBERS:** 2016-60752

**PERMIT NO.:** 2016-SC-60752

**FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS**

**DATE ISSUED:** May 2, 2016

**PREPARED BY:** Downers Grove Sanitary District

**SUBJECT:** DOWNERS GROVE SANITARY DISTRICT-Land application of Sewage Sludge

Illinois Environmental Protection Agency  
Bureau of Water  
Compliance Assurance Section  
Mail Code #19  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

**SPECIAL CONDITION 2:** For the duration of this permit, the permittee shall sample all different sludges being applied to land or publicly distributed on a quarterly basis and chemically analyze said samples in accordance with the recommended procedures contained in the latest edition of Standard Methods for the Examination of Water and Wastewater for the following parameters:

Nutrients	Metals	Other
Total Kjeldahl Nitrogen	Cadmium	pH
Ammonia Nitrogen	Copper	% TS
Phosphorus	Lead	% VS
Potassium	Manganese	
	Nickel	
	Zinc	

In addition to the above parameters, anaerobically digested sludge shall also be tested for volatile acids. The results of these analyses shall be submitted to this Agency on a quarterly basis. The permittee shall update the sludge application rate utilizing all sludge analyses obtained after the previous sludge application period.

**SPECIAL CONDITION 3:**

A. Sludge shall be applied to sites within the following guidelines:

1. Sludge shall not be applied to sites during precipitation.
2. Sludge shall not be applied to sites which are saturated or with ponded water.
3. Sludge shall not be applied to ice or snow covered sites.
4. Frozen land, which is not ice or snow covered and has a slope of 5% or less, may be used for land application of sludge provided a 200 foot grassy area exists between the sludge applied land and any surface water or potable water supply well.

B. It is not recommended that sludge be applied to sites:

1. When precipitation is imminent,
2. Which have received greater than 1/4 inch rainfall within the 24-hour period preceding the intended sludge application time.

**READ ALL CONDITIONS CAREFULLY:  
STANDARD CONDITIONS**

The Illinois Environmental Protection Act (Illinois Revised Statutes Chapter 111-12, Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

1. Unless the construction for which this permit is issued has been completed, this permit will expire (1) two years after the date of issuance for permits to construct sewers or wastewater sources or (2) three years after the date of issuance for permits to construct treatment works or pretreatment works.
2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any agent duly authorized by the Agency upon the presentations of credentials:
  - a. to enter at reasonable times, the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit;
  - b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;
  - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit;
  - d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants;
  - e. to enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
  - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located;
  - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
  - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
  - d. does not take into consideration or attest to the structural stability of any units or parts of the project;
  - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. Unless a joint construction/operation permit has been issued, a permit for operating shall be obtained from the agency before the facility or equipment covered by this permit is placed into operation.
7. These standard conditions shall prevail unless modified by special conditions.
8. The Agency may file a complaint with the Board for suspension or revocation of a permit:
  - a. upon discovery that the permit application contained misrepresentations, misinformation or false statement or that all relevant facts were not disclosed; or
  - b. upon finding that any standard or special conditions have been violated; or
  - c. upon any violation of the Environmental Protection Act or any Rules or Regulation effective thereunder as a result of the construction or development authorized by this permit.

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT**

**LOG NUMBERS:** 2016-60752

**PERMIT NO.:** 2016-SC-60752

**FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS**

**DATE ISSUED:** May 2, 2016

**PREPARED BY:** Downers Grove Sanitary District

**SUBJECT:** DOWNERS GROVE SANITARY DISTRICT-Land application of Sewage Sludge

- C. Sludge shall not be applied to land which lies within 200 feet from a community water supply well, potable water supply well, surface waters or intermittent streams or within one-fourth of a mile of any potable water supply wells located in consolidated bedrock such as limestone or sinkhole areas unless a 50 foot depth of non-sandy or non-gravelly unconsolidated material exists. In no case shall sludge be applied within 400 feet of a community water supply well deriving water from an unconfined shallow fractured or highly permeable bedrock formation or from an unconsolidated and unconfined sand and gravel formation.
- D. Sludge shall not be applied within 100 feet of an occupied residence.
- E. Sludge shall not be applied to sites during the periods in which the seasonal high water table rises within 3 feet of the surface at the site.
- F. Sludge shall only be applied to land with a background soil pH of 6.5 or greater unless lime or other suitable materials are applied to the site prior to sludge application to raise the soil pH to a minimum of 6.5.
- G. Sludge shall be applied and incorporated into the site soils within the following guidelines:
1. Sludge may be surface applied without incorporation only if the site slope is less than 8% and the annual soil loss does not exceed 5 tons/acre as determined by the Universal Soil Loss Equation.
  2. Sludge shall be incorporated if:
    - a) Site slope exceeds 8% but the annual soil loss is less than 5 tons/acre, or
    - b) Site slope is less than 8% but the annual soil loss exceeds 5 ton/acre.
  3. Sludge shall not be applied to a site with slope greater than 8% with annual soil loss in excess of 5 ton/acre.
  4. Unless surface application is allowed pursuant to this condition, or otherwise specified in this permit, sludge shall be incorporated within 48 hours of application or prior to any rainfall whichever is more restrictive.
- H. Sludge amended land shall have a crop grown and harvested pursuant to normal agricultural practices.
- I. The delivery and application of sludge, and the choice of an application site, shall be made so as to minimize the emission of odors to nearby residents taking into account the direction of wind, humidity and day of the week.
- J. Sludge application shall not exceed the following maximum metal loading rates over the lifetime of a site (pounds per acre).
1. Soils with 5-15 meq/100 grams Cation Exchange Capacity (CEC):

<u>Metal</u>	<u>Total Loading</u>	<u>Annual Loading</u>
Cadmium	10	2
Nickel	100	--
Copper	250	--
Zinc	500	--
Manganese	900	--
Lead	1000	--

**READ ALL CONDITIONS CAREFULLY:  
STANDARD CONDITIONS**

The Illinois Environmental Protection Act (Illinois Revised Statutes Chapter 111-12, Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

1. Unless the construction for which this permit is issued has been completed, this permit will expire (1) two years after the date of issuance for permits to construct sewers or wastewater sources or (2) three years after the date of issuance for permits to construct treatment works or pretreatment works.
2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any agent duly authorized by the Agency upon the presentations of credentials:
  - a. to enter at reasonable times, the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit;
  - b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;
  - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit;
  - d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants;
  - e. to enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
  - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located;
  - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
  - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
  - d. does not take into consideration or attest to the structural stability of any units or parts of the project;
  - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. Unless a joint construction/operation permit has been issued, a permit for operating shall be obtained from the agency before the facility or equipment covered by this permit is placed into operation.
7. These standard conditions shall prevail unless modified by special conditions.
8. The Agency may file a complaint with the Board for suspension or revocation of a permit:
  - a. upon discovery that the permit application contained misrepresentations, misinformation or false statement or that all relevant facts were not disclosed; or
  - b. upon finding that any standard or special conditions have been violated; or
  - c. upon any violation of the Environmental Protection Act or any Rules or Regulation effective thereunder as a result of the construction or development authorized by this permit.

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT**

**LOG NUMBERS:** 2016-60752

**PERMIT NO.:** 2016-SC-60752

**FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS**

**DATE ISSUED:** May 2, 2016

**PREPARED BY:** Downers Grove Sanitary District

**SUBJECT:** DOWNERS GROVE SANITARY DISTRICT-Land application of Sewage Sludge

2. Soils with 0-5 meq/100 grams CEC shall apply only half the metal loading rates set forth in item J(1) above.
  3. Soils with 15 or greater meq/100 grams CEC may apply double the total metal loading rates set forth in item J(1) above, however a supplemental permit shall be required for that specific site.
- K. Sludge stored off the sewage treatment plant site shall be performed within the following guidelines:
1. Off-site interim storage of liquid sludge shall not be allowed.
  2. Off-site interim storage of dried sludge in excess of 30 days shall not be allowed. In addition, measures shall be taken to contain runoff and leachate from any dried sludge that is stored.
  3. Off-site stockpiling of sludge is prohibited from November 15 to March 1, unless such stockpiling occurs on sites specifically identified in an effective State Operating Permit as suitable for application on ice and/or snow covered ground.
  4. Sludge stockpiled on sites not approved for winter application after November 15 shall be returned to the generating facility or moved to a site approved for application on ice and/or snow covered ground.
- L. Users applying sludge to sites greater than 300 acres under common ownership or control or users of more than 1500 dry tons per year shall obtain a sludge user permit from this Agency unless the site is specifically identified in the permittee's application.
- M. User information sheets, in conformance with the Design Criteria for Sludge Application on Land (Title 35, Subtitle C, Chapter II, Part 391), shall be provided by the permittee to all sludge users and shall be signed by sludge users requesting more than 25 cubic yards. Records regarding sludge users shall be retained by the permittee for the duration of this permit and 2 years after the expiration date of this permit.
- N. No sooner than 90 days and no later than 7 days prior to the application of sludge to land written notice shall be provided to the owner(s) of the land receiving the sludge, the owners of land adjacent to the land receiving the sludge and the Township and County officials whose jurisdiction encompasses the sludge application site.
- O. The permittee shall retain agronomic calculations and supporting sludge analyses for a period of not less than 5 years. Said sludge analysis shall be in compliance with 40 CFR 503.8 and 35 Ill. Adm. Code 391.501. Such records shall be available to any person or party upon request.

**SPECIAL CONDITION 4:** The permittee may distribute sludge to the general public provided the following requirements are complied with:

- a. Sludge which contains more than 25 mg/kg (dry weight basis) of cadmium shall not be distributed to the general public.
- b. Sludge application rates for public distribution programs shall not exceed 10 dry tons per acre per year, or the agronomic nitrogen rate for the crop grown, whichever is lower.

**READ ALL CONDITIONS CAREFULLY:  
STANDARD CONDITIONS**

The Illinois Environmental Protection Act (Illinois Revised Statutes Chapter 111-12, Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

1. Unless the construction for which this permit is issued has been completed, this permit will expire (1) two years after the date of issuance for permits to construct sewers or wastewater sources or (2) three years after the date of issuance for permits to construct treatment works or pretreatment works.
2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any agent duly authorized by the Agency upon the presentations of credentials:
  - a. to enter at reasonable times, the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit;
  - b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;
  - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit;
  - d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants;
  - e. to enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
  - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located;
  - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
  - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
  - d. does not take into consideration or attest to the structural stability of any units or parts of the project;
  - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. Unless a joint construction/operation permit has been issued, a permit for operating shall be obtained from the agency before the facility or equipment covered by this permit is placed into operation.
7. These standard conditions shall prevail unless modified by special conditions.
8. The Agency may file a complaint with the Board for suspension or revocation of a permit:
  - a. upon discovery that the permit application contained misrepresentations, misinformation or false statement or that all relevant facts were not disclosed; or
  - b. upon finding that any standard or special conditions have been violated; or
  - c. upon any violation of the Environmental Protection Act or any Rules or Regulation effective thereunder as a result of the construction or development authorized by this permit.

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT**

**LOG NUMBERS:** 2016-60752

**PERMIT NO.:** 2016-SC-60752

**FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS**

**DATE ISSUED:** May 2, 2016

**PREPARED BY:** Downers Grove Sanitary District

**SUBJECT:** DOWNERS GROVE SANITARY DISTRICT-Land application of Sewage Sludge

- c. Only dried sludge shall be distributed to the general public.
- d. The permittee shall provide each person receiving sludge with a public distribution information sheet substantially equivalent to that found in the Agency Design Criteria for Sludge Application on Land (Title 35, Subtitle C, Chapter II, Part 391, Appendix H).

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STANDARD CONDITIONS**

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2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any agent duly authorized by the Agency upon the presentations of credentials:
  - a. to enter at reasonable times, the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit;
  - b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;
  - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit;
  - d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants;
  - e. to enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
  - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located;
  - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
  - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
  - d. does not take into consideration or attest to the structural stability of any units or parts of the project;
  - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. Unless a joint construction/operation permit has been issued, a permit for operating shall be obtained from the agency before the facility or equipment covered by this permit is placed into operation.
7. These standard conditions shall prevail unless modified by special conditions.
8. The Agency may file a complaint with the Board for suspension or revocation of a permit:
  - a. upon discovery that the permit application contained misrepresentations, misinformation or false statement or that all relevant facts were not disclosed; or
  - b. upon finding that any standard or special conditions have been violated; or
  - c. upon any violation of the Environmental Protection Act or any Rules or Regulation effective thereunder as a result of the construction or development authorized by this permit.

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Ted Cherwak  
Sewer Construction Supervisor

DATE: October 30, 2017

RE: Annexation Ordinance No. AO 2017-11  
4601 Cross Street, Downers Grove

This annexation involves one lot with an existing single family home located at 4601 Cross Street. Service will be provided by connection to the existing sewer located on Cross Street as indicated on the attached location map. This project did not require BOLI action. This annexation does not need any right-of-way annexations to make the property contiguous. All tap fees and trunk sewer service charges have been paid as required by ordinance.

Attachments

CC: KJR, RTJ, MJS, NJM, WCC & MGP

ANNEXATION ORDINANCE NO. A0 2017-11

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

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

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

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

LOT 1 IN BLOCK 6 (INCLUDING THE SOUTH 8 FEET OF INDIANAPOLIS AVENUE, ADJOINING ON THE NORTH) IN ARTHUR T. MCINTOSH AND COMPANY'S BELMONT GOLF ADDITION, BEING A SUBDIVISION IN THE SOUTHWEST QUARTER OF SECTION 1 AND IN THE NORTHWEST QUARTER OF SECTION 12, TOWNSHIP 38 NORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED SEPTEMBER 14, 1925 AS DOCUMENT NO. 199614, IN DUPAGE COUNTY, ILLINOIS.

P.I.N.: 08-01-309-006

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

PASSED and APPROVED by the President and Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT at their regular meeting held on the 21<sup>st</sup> day of November 2017.

\_\_\_\_\_  
President

ATTEST: \_\_\_\_\_  
Clerk

# AO 2017-11

## 4601 Cross Street



Downers Grove  
Sanitary District

0 40 80 160  
Feet

### Legend

- AO2017-011
- Sanitary Manholes
- ▶ Sanitary Sewer
- DGSD BOUNDARY



OF LOT 1 IN BLOCK 6 AND THE SOUTH 8 FEET OF INDIANAPOLIS AVENUE ADJOINING ON THE NORTH IN ARTHUR T. MCINTOSH AND COMPANY'S BELMONT GOLF ADDITION, BEING A SUBDIVISION IN THE SOUTHWEST 1/4 OF SECTION 1 AND IN THE NORTHWEST 1/4 OF SECTION 12, TOWNSHIP 38 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED SEPTEMBER 14, 1925, AS DOCUMENT 199814, IN DUPAGE COUNTY, ILLINOIS.

INDIANAPOLIS AVENUE

SCALE: 1"=20'

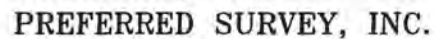


THIS IS TO CERTIFY THAT WE, PREFERRED SURVEY, INC., ILLINOIS PROFESSIONAL LAND SURVEYOR CORPORATION NO. 116 HAVE SURVEYED THE PROPERTY DESCRIBED HEREON AND THAT THE PLAT SHOWN HEREON IS A CORRECT REPRESENTATION OF THAT SURVEY, ALL DIMENSIONS SHOWN HEREON ARE IN FEET AND DECIMALS THEREOF. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MY LICENSE RENEWS ON NOVEMBER 30, 2004.



PREFERRED SURVEY, INC.  
 PROFESSIONAL  
 LAND SURVEYOR  
 CORPORATION  
 NO. 116  
 STATE OF  
 ILLINOIS  
 GLEN ELLYN, ILL.

FLD CREW HH/LT  
CAD J.F.E.



Phone 630-790-5451 / Fax 630-856-0217

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Ted Cherwak  
Sewer Construction Supervisor

DATE: November 17, 2017

RE: Annexation Ordinance No. AO 2017-12  
1020 Oxford Street, Downers Grove

This annexation involves one lot for a proposed single family home located at 1020 Oxford Street. Service will be provided by connection to the existing sewer located on Oxford Street as indicated on the attached location map. This project did not require BOLI action. This annexation does not need any right-of-way annexations to make the property contiguous. All tap fees and trunk sewer service charges have been paid as required by ordinance.

Attachments

CC: KJR, RTJ, MJS, NJM, WCC & MGP

ANNEXATION ORDINANCE NO. A0 2017-12

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

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

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

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

LOT 20 IN BLOCK 8 IN DOWNERS GROVE ESTATES, BEING A SUBDIVISION OF THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 20, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JULY 9, 1926 AS DOCUMENT NO. 217375, IN DUPAGE COUNTY, ILLINOIS.

P.I.N.: 09-20-110-015

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

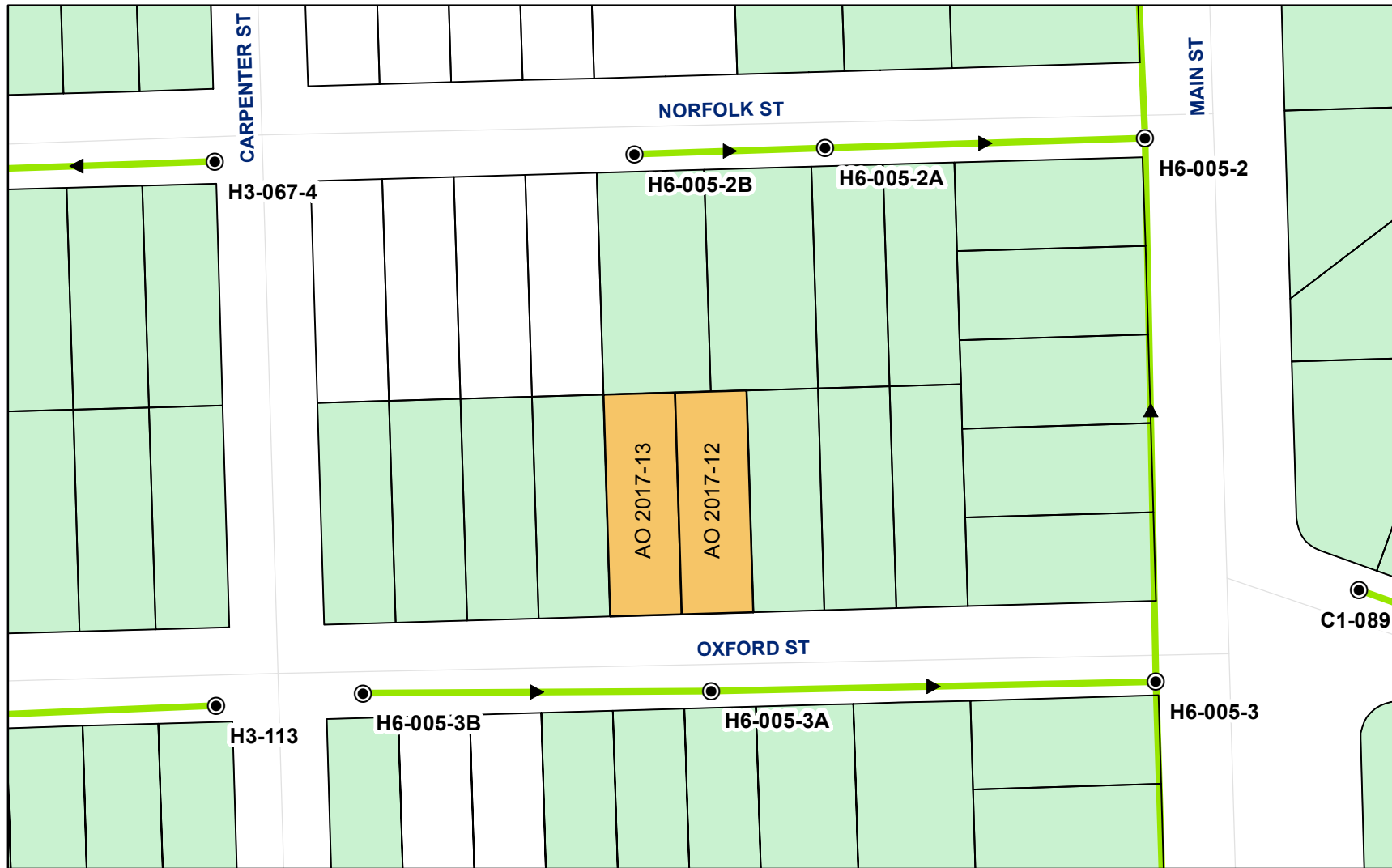
PASSED and APPROVED by the President and Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT at their regular meeting held on the 21<sup>st</sup> day of November 2017.

\_\_\_\_\_  
President

ATTEST: \_\_\_\_\_  
Clerk

1020 Oxford: AO 2017-12

1022 Oxford: AO 2017-13

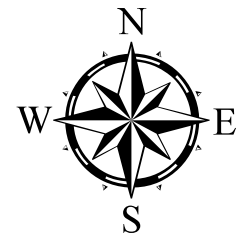


0 65 130 260 Feet

Downers Grove  
Sanitary District

### Legend

- AO 2017-12 & 13
- Sanitary Manholes
- Sanitary Sewer
- DGSD Boundary



# BOUNDARY AND TOPOGRAPHIC SURVEY

PROFESSIONAL LAND SURVEYING, INC.

3080 OGDEN AVENUE SUITE 307

LISLE, ILLINOIS 60532

PHONE: 630-778-1757

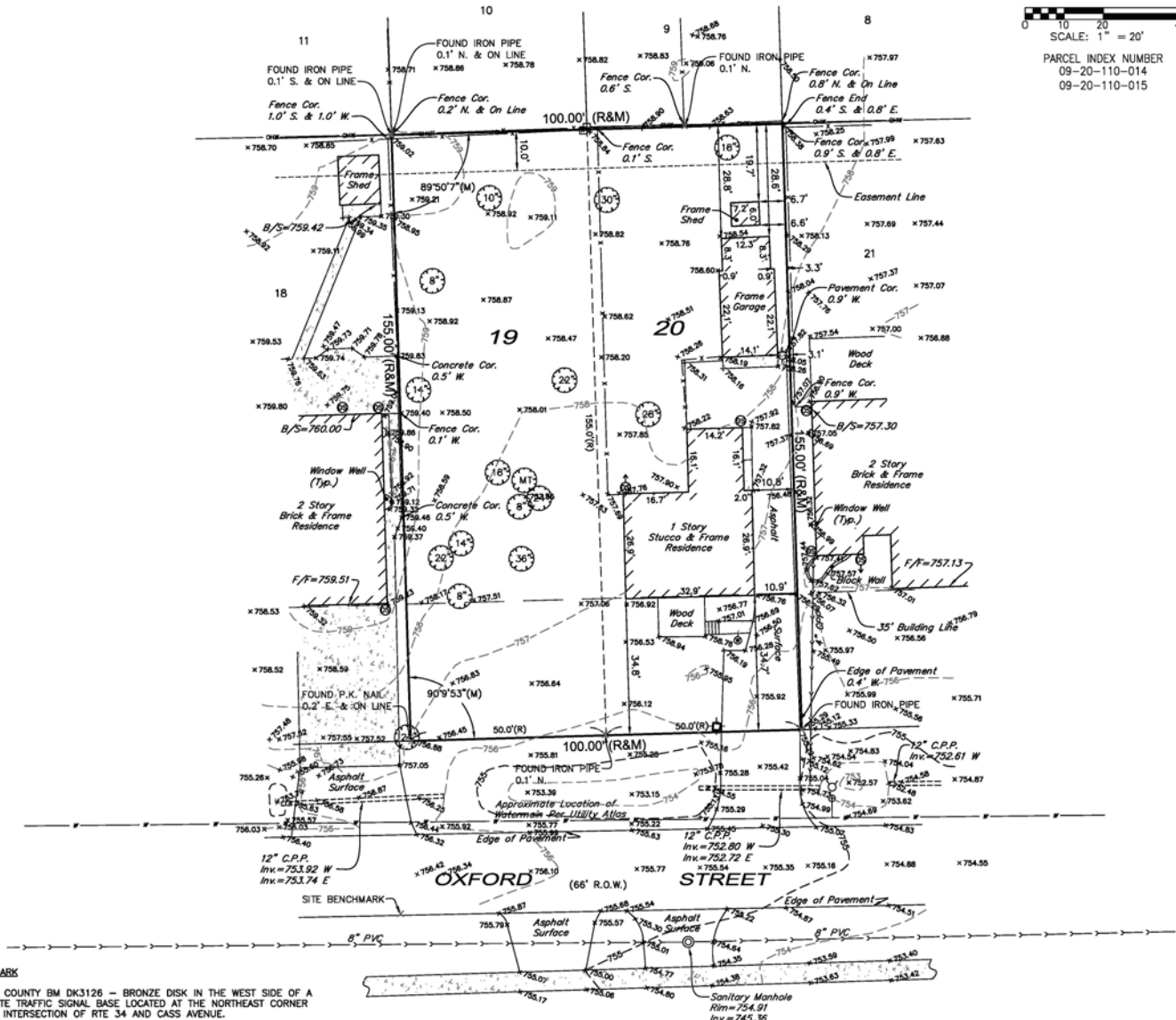
PROF. DESIGN FIRM # 184-004196

E-MAIL: info@plslls.com



SCALE: 1" = 20'

PARCEL INDEX NUMBER  
09-20-110-014  
09-20-110-015



## BENCHMARK

DUPAGE COUNTY BM DK3126 - BRONZE DISK IN THE WEST SIDE OF A CONCRETE TRAFFIC SIGNAL BASE LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF RTE 34 AND CASS AVENUE.

ELEVATION = 746.26 (NAVD 88)

PLS1 01 - NGS OPUS PID BBDM17; CUT CROSS IN TOP OF CURB AT NOSE OF NORTHERLY CURB ISLAND BETWEEN 3080 AND 3060 OGDEN AVE IN LISLE, ILLINOIS.

ELEVATION = 733.51 (NAVD 88)

SITE BENCHMARK:

P.K. NAIL SET IN SOUTHERN EDGE OF OXFORD STREET AT WEST LINE OF SUBJECT PROPERTY EXTENDED SOUTH, AS SHOWN HEREON.

ELEVATION = 756.15

## LEGAL DESCRIPTION

LOTS 19 AND 20 IN BLOCK 8 IN DOWNERS GROVE ESTATES, BEING A SUBDIVISION OF THE WEST HALF OF THE OF THE NORTHWEST QUARTER OF SECTION 20, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JULY 9, 1926 AS DOCUMENT 217375, IN DUPAGE COUNTY, ILLINOIS.

## NOTES

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

PREPARED FOR: GREENSCAPE HOMES, LLC  
ADDRESS: 1020 OXFORD STREET, DOWNERS GROVE, ILLINOIS  
BOOK & PG: 189/44 DATE: 9/8/2017 JOB NO: 1714830  
DRAWN BY: JHH CHECK BY: SAR  
REVISED:

## SYMBOL LEGEND

- - MANHOLE
- - CATCHBASIN
- - INLET
- ⊗ - WATER VALVE (UNLESS OTHERWISE NOTED)
- ⊙ - HYDRANT
- ⊗ - VALVE & VAULT
- ⊙ - BUFFALO BOX
- - FENCE LINE
- ⊕ - POWER POLE
- ⊙ - DECIDUOUS TREE, LESS THAN 6" DIA. UNLESS OTHERWISE NOTED
- ⊙ - EVERGREEN TREE, LESS THAN 6" DIA. UNLESS OTHERWISE NOTED
- (R) - RECORD DATA
- (M) - MEASURED DATA
- T/F - TOP OF FOUNDATION
- F/F - FINISHED FLOOR
- B/S - BOTTOM OF SIDING
- - EXIST. CONTOURS
- XXX.XX - EXISTING ELEVATION
- - SANITARY SEWER
- - STORM SEWER
- - WATERMAIN
- - OVERHEAD WIRES
- ⊙ - DOWNSPOUT
- ⊙ - DOWNSPOUT WITH FLOW DIRECTION
- - CONCRETE SURFACE

SURVEYED AREA: 15,500± SQ. FT.

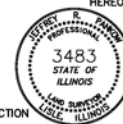
REFER TO YOUR DEED, ABSTRACT, TITLE POLICY AND LOCAL BUILDING AND ZONING ORDINANCE FOR ITEMS NOT SHOWN HEREON.

NO MEASUREMENTS ARE TO BE ASSUMED BY SCALING

STATE OF ILLINOIS } SS  
COUNTY OF DUPAGE }

PROFESSIONAL LAND SURVEYING, INC. HEREBY CERTIFIES THAT IT HAS SURVEYED THE TRACT OF LAND ABOVE DESCRIBED, AND THAT THE HEREON DRAWN PLAT IS A CORRECT REPRESENTATION THEREOF.

FIELD WORK COMPLETED AND DATED THIS 6TH DAY OF SEPTEMBER, 2017.



PLS No. 3483  
MY LICENSE EXPIRES 11/30/2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY AND TOPOGRAPHIC SURVEY.

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Ted Cherwak  
Sewer Construction Supervisor

DATE: November 17, 2017

RE: Annexation Ordinance No. AO 2017-13  
1022 Oxford Street, Downers Grove

This annexation involves one lot for a proposed single family home located at 1022 Oxford Street. Service will be provided by connection to the existing sewer located on Oxford Street as indicated on the attached location map. This project did not require BOLI action. This annexation does not need any right-of-way annexations to make the property contiguous. All tap fees and trunk sewer service charges have been paid as required by ordinance.

Attachments

CC: KJR, RTJ, MJS, NJM, WCC & MGP

ANNEXATION ORDINANCE NO. A0 2017-13

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

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

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P.I.N.: 09-20-110-014

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

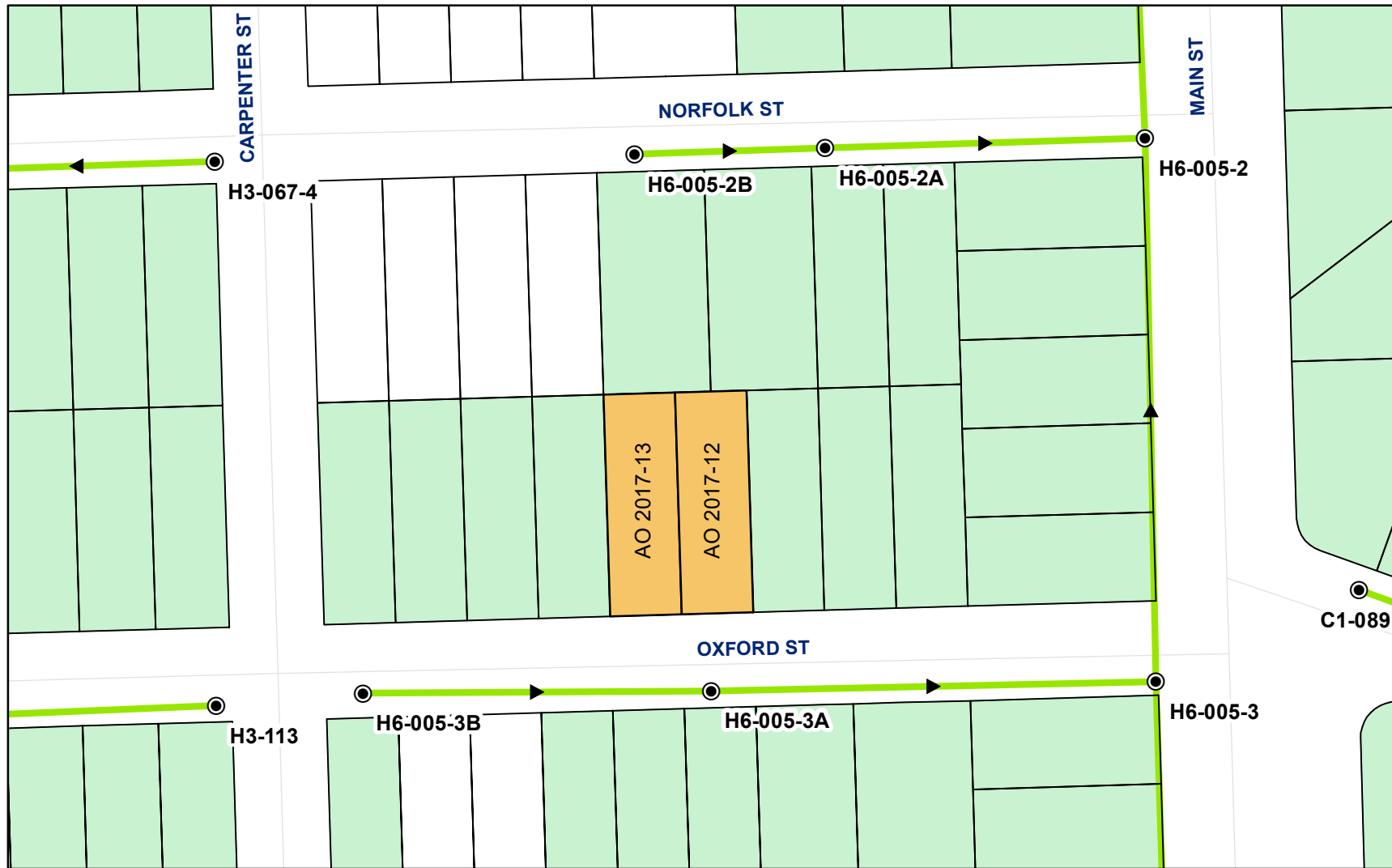
PASSED and APPROVED by the President and Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT at their regular meeting held on the 21<sup>st</sup> day of November 2017.

\_\_\_\_\_  
President

ATTEST: \_\_\_\_\_  
Clerk

1020 Oxford: AO 2017-12

1022 Oxford: AO 2017-13

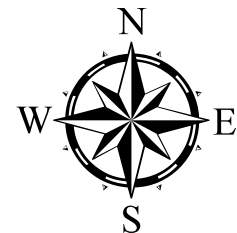


0 65 130 260 Feet

Downers Grove  
Sanitary District

### Legend

- AO 2017-12 & 13
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- DGSD Boundary



# BOUNDARY AND TOPOGRAPHIC SURVEY

PROFESSIONAL LAND SURVEYING, INC.

3080 OGDEN AVENUE SUITE 307

LISLE, ILLINOIS 60532

PHONE: 630-778-1757

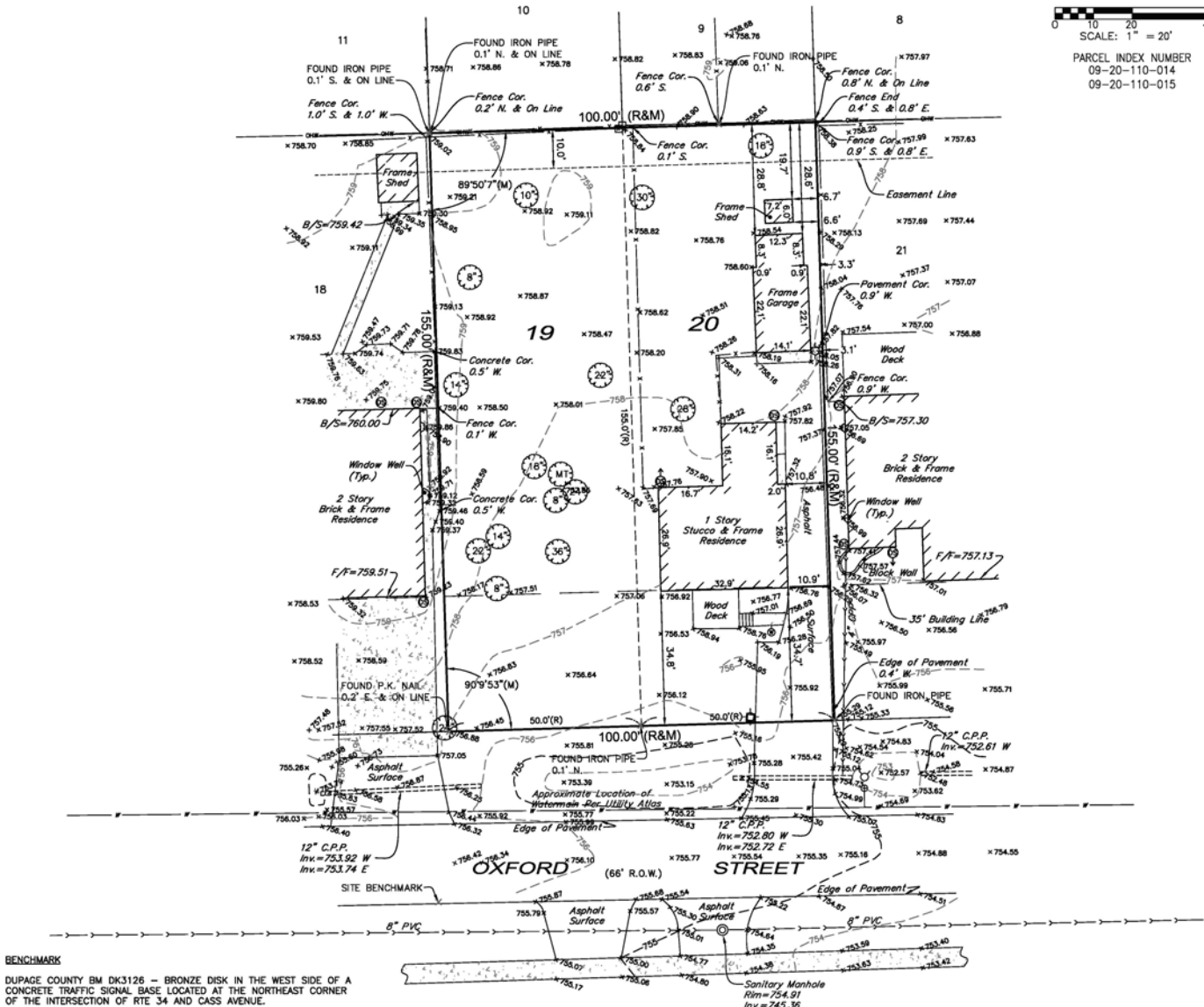
PROF. DESIGN FIRM # 184-004196

E-MAIL: info@plslls.com



SCALE: 1" = 20'

PARCEL INDEX NUMBER  
09-20-110-014  
09-20-110-015



## BENCHMARK

DUPAGE COUNTY BM DK3126 - BRONZE DISK IN THE WEST SIDE OF A CONCRETE TRAFFIC SIGNAL BASE LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF RTE 34 AND CASS AVENUE.

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SITE BENCHMARK:

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ELEVATION = 756.15

## SYMBOL LEGEND

### LEGAL DESCRIPTION

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PREPARED FOR: GREENSCAPE HOMES, LLC  
ADDRESS: 1020 OXFORD STREET, DOWNERS GROVE, ILLINOIS  
BOOK & PG: 189/44 DATE: 9/8/2017 JOB NO: 1714830  
DRAWN BY: JHH CHECK BY: SAR  
REVISED:

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- - CATCHBASIN
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- ⊗ - WATER VALVE (UNLESS OTHERWISE NOTED)
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- ⊙ - DOWNSPOUT
- ⊙ - DOWNSPOUT WITH FLOW DIRECTION
- - CONCRETE SURFACE

SURVEYED AREA: 15,500± SQ. FT.

REFER TO YOUR DEED, ABSTRACT, TITLE POLICY AND LOCAL BUILDING AND ZONING ORDINANCE FOR ITEMS NOT SHOWN HEREON.

NO MEASUREMENTS ARE TO BE ASSUMED BY SCALING

STATE OF ILLINOIS } SS  
COUNTY OF DUPAGE }

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FIELD WORK COMPLETED AND DATED THIS 6TH DAY OF SEPTEMBER, 2017.



PLS No. 3483  
MY LICENSE EXPIRES 11/30/2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY AND TOPOGRAPHIC SURVEY.

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: November 13, 2017

RE: Investment in Certificate of Deposit – CIT Bank

In accordance with the District Investment Policy, we purchased the attached twelve-month Certificate of Deposit (CD) with CIT Bank on November 9, 2017. The CD is in the amount of \$245,000 at an interest rate of 1.50%. The District also has a money market account with CIT Bank holding \$5,000 and accruing interest at the rate of 0.45%. This still offers the District flexibility to move money from a CD into the money market account in the future upon maturity. The CD and money market account are cumulatively FDIC insured to \$250,000.

Staff would request for the Board to take action ratifying this investment at its next regular meeting of November 21, 2017.

Attachment

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



## Safekeeping Receipt for Certificate of Deposit

Date of Issue: **11/09/2017**

Rollover

Account Number:

Downers Grove Sanitary District  
ATTN: William Clay Campbell  
2710 Curtiss St  
Downers Grove IL 60515-4001

Term: 12 months

☐ Monthly Check ☐ Check at Maturity  
☒ Monthly ACH ☐ Compound Interest

### Acknowledgment of Account Deposit

This certifies that there has been deposited with CIT Bank, N.A., in the name of the above account holder, the amount set forth below. The funds are held in a certificate of deposit account bearing the following Interest Rate, Annual Percentage Yield (APY), and Maturity Date:

Deposit Amount	Interest Rate	APY	Maturity Date
\$245,000.00	1.500	1.51	11/09/2018

### IMPORTANT INFORMATION REGARDING YOUR CERTIFICATE OF DEPOSIT ACCOUNT

The business entity and all authorized signers so designated by the business (excluding corporate signers) agree that we may obtain account experience information from a consumer reporting agency (such as ChexSystems). We may do so at the time the account is opened or at any other time while the account is open. This account is subject to all provisions stated in the CIT Bank, N.A. Account Disclosures for Personal and Business Accounts and any addenda thereto. CIT Bank, N.A. holds the right to amend the terms and conditions of the account at any time. You will be informed of changes that may affect your rights and obligations as may be required by law. Please notify us immediately if any of the signers named in this account should change or if there is a change in the mailing address. This certificate should not be purchased or accepted as security for a loan without first verifying the balances thereof with CIT Bank, N.A.

### Redemption and Transferability

Unless we notify you otherwise, your CD will automatically renew for the minimum renewal term for your type of account at the rate then in effect for accounts of the same type and amount. For CDs that automatically renew, there is a seven (7) day grace period beginning on the date of maturity at which point the funds can be transferred to another account or withdrawn without penalty. CDs that do not automatically renew will stop earning interest at maturity. Unless we specifically state otherwise, any bonus we are offering to new accounts will generally not apply to automatically renewing CD accounts.

### Early Withdrawals

For Certificate of Deposit accounts with terms of 7 days through 90 days, the Early Withdrawal Penalty is the amount of interest that would have been earned for the full term at the rate being paid on the amount withdrawn. For Certificate of Deposit accounts with terms of 91 days through 365 days, the Early Withdrawal Penalty is 90 Days of simple interest, whether earned or not, at the rate being paid on the amount withdrawn. For Certificate of Deposit accounts with terms of 366 days through 18 months, the Early Withdrawal Penalty is 180 Days of simple interest, whether earned or not, at the rate being paid on the amount withdrawn. For Certificate of Deposit accounts with terms greater than 18 months through 2 years, the Early Withdrawal Penalty is 270 days of simple interest, whether earned or not, at the rate being paid on the amount withdrawn. For Certificate of Deposit accounts with terms greater than 2 years, the Early Withdrawal Penalty is the GREATER of: (1) 2% of the amount withdrawn; or (2) a Market Adjustment on the amount withdrawn. The Market Adjustment estimates the interest cost that we would incur if we were to replace your early withdrawal or closed CD with another "replacement CD" at a higher cost. The replacement CD would be of a term that is closest to but not greater than the remaining term of your original CD. To calculate the Market Adjustment, we take the difference between the (lower) interest rate on your original CD and the (higher) interest rate on the replacement CD and multiply this difference by the amount being withdrawn, multiplied by the number of years (or partial year) remaining on your original CD. If the interest rate on the replacement CD is less than or equal to the interest rate on your original CD there is no applicable Market Adjustment. If we are offering more than one APY to the general public for a replacement CD with a term that is closest to but not greater than the remaining term of your original CD, at the time of your early withdrawal or early CD closure, we will use the lowest APY we are offering the general public for a replacement CD to calculate any applicable Market Adjustment. All withdrawals, including withdrawals of available interest and any early withdrawal penalties, may reduce earnings. Any withdrawals which reduce the account balance below the minimum balance requirement will require that the account be closed and shall be subject to the appropriate early withdrawal penalties.

CIT Bank, N.A.  
Institutional Deposit Group  
Encl: Disclosure Brochures

Authorized Signature

CIT Institutional Deposit Group  
225 N.Barranca St., 2nd Floor  
West Covina, CA 91791

t: 877.748.0004 f: 626.859.5401  
cit.com

Member  
FDIC

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: November 13, 2017

RE: Investment in Certificate of Deposit – TriState Capital Bank

In accordance with the District Investment Policy, we purchased the attached twelve-month Certificate of Deposit (CD) with TriState Capital Bank on November 9, 2017. The CD is in the amount of \$249,990 at an interest rate of 1.59%. The District also has a money market account with TriState Capital Bank holding \$10 and accruing interest at the rate of 0.25%. This still offers the District flexibility to move money from a CD into the money market account in the future upon maturity. The CD and money market account are cumulatively FDIC insured to \$250,000.

Staff would request for the Board to take action ratifying this investment at its next regular meeting of November 21, 2017.

Attachment

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

TRISTATE CAPITAL BANK  
301 GRANT ST, SUITE 2700  
PITTSBURGH, PA

11-09-2017

15219

**AUTOMATIC RENEWAL NOTICE**

DEAR CUSTOMER: YOUR ACCOUNT, DESCRIBED BELOW, MATURED ON 11-09-17 AND WAS AUTOMATICALLY RENEWED AT THE RENEWAL INTEREST RATE AND THE RENEWAL ANNUAL PERCENTAGE YIELD (APY) STATED BELOW. IF YOU WISH TO REDEEM THIS CERTIFICATE PLEASE PRESENT IT AT THE BANK WITHIN THE 10 DAY GRACE PERIOD AFTER MATURITY. FOR INFORMATION REGARDING THE NEW TERMS ON THE ACCOUNT, PLEASE CALL 866-680-8722 EXT-NONE.

DOWNERS GROVE SANITARY DISTRICT  
2710 CURTISS ST PO BOX 1412  
DOWNERS GROVE IL 60515

**\*-----DETAIL INFORMATION-----\***

CERTIFICATE:	1000
RENEWAL INTEREST RATE:	1.590%
RENEWAL APY:	1.60%
ISSUE DATE:	11/09/16
NEW MATURITY DATE:	11/09/18
REDEMPTION VAL:	249,990.00

**RECEIVED**

NOV 15 2017

DOWNERS GROVE  
SANITARY DISTRICT

# DOWNERS GROVE SANITARY DISTRICT

## M E M O

TO: Nicholas J. Menninga  
General Manager

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: November 17, 2017

RE: Progress Report – October, 2017

### ADMINISTRATIVE

#### Personnel

Roelf Styve (Electrical Technician) has announced his retirement from the District effective May 31, 2018. As a result, we are currently advertising for an Electrical Technician position on the District's website, Monster.com, Facebook and Nextdoor.

We are also currently advertising for a new Inspector position as part of some organizational succession planning. As a result, we are currently advertising for the Inspector position on the District's website, Monster.com, Facebook and Nextdoor.

#### 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.

#### Safety Committee

The Safety Committee did not meet in October and we are currently in the process of having the supervisors designate new departmental representatives to the Committee.

#### IAWA Technical Committee Meeting

Nick and I attended the IAWA Technical Committee meeting in Utica on November 10.

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

The District started a Twitter account with the handle @DGSDnews on November 2. Staff had noticed that many of the schools that we work with on curriculum integration are more active on Twitter in lieu of Facebook as well as a variety of other water/wastewater peer agencies. We plan on utilizing the account in a similar fashion as Facebook.

Mark Majewski (Operations Supervisor), Alyssa Caballero (Information Coordinator) and I presented to approximately 225 ninth-grade science students across 7 periods at Downers Grove South high school on October 26 explaining the District's liquid treatment stream and its relevance to the community and ecosystem. As well, on November 14 and 16, Sam Tatulli (Operations –

Mechanic), Alyssa Caballero and I presented to approximately 175 seventh-grade science students across 6 periods each day at O'Neill Middle School regarding the District's biosolids distribution program and its relevance to the community and ecosystem. On November 15, Reese Berry (Laboratory Supervisor), Alyssa Caballero and I served as judges for O'Neill Middle School's water filter design challenge where seventh-grade students in teams presented their water filter design, provided a live demonstration of filtering out dirty water, and were evaluated using various criteria (presentation of design, creativity of design, water filtration action, and turbidity of filtered water). We have been contacted by the Herrick Middle School science department head to provide the same presentation to their students along with a similar water filter design challenge.

### Technology Update

The installation of the District's new firewall by Concentric Integration went very smoothly on October 17 – this project is now complete.

On November 17, Alyssa Caballero and I met with representatives from CityInsight, a new company out of Detroit that specializes in designing and hosting customer-facing applications for water/wastewater units of local government looking to provide seamless interfaces to their customers. These applications can be as simple as providing customers with access to their account information, facilitating payment, payment history, smartphone notifications with District communications, etc. CityInsight has approached the District looking to possibly do a "pilot program" of their service solution in order to enter the market in Illinois and grow their product in conjunction with staff to meet the specific needs of residents. Their customized application for the Detroit Water and Sewerage Department has been highly publicized since its launch 10 weeks ago. Staff will continue to keep the Board informed as we explore if this could be a potential fit for our organization.

The following is a detailed summary of the 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:	104
# of Customers paying their bills online in the last month:	852
Amount of Money processed through the Portal in the last month:	\$44,463.19
# of Customers signing up for Autopay through the Portal in the last month:	31
# of Customers enrolled in paperless billing in the last month:	46
# of customers registered for pay by text in the last month:	26
Cost to District for providing Invoice Cloud service in the last month:	\$220.50
Cost to District's customers (convenience fees) in the last month:	\$597.81
# of Customers registered from launch through last month:	2,653
Total # of Transactions from launch through last month:	16,734
Amount of Money processed through the Portal from launch through last month:	\$945,145.73
# of Customers signing up for Autopay through the Portal from launch through last month:	592
# of Customers enrolled in paperless billing from launch through last month:	1,052
# of customers registered for pay by text from launch through last month:	517
Cost to District for providing Invoice Cloud service from launch through last month:	\$4,667.50
Cost to District's customers (convenience fees) from launch through last month:	\$24,485.64

## FINANCIAL

### Unclaimed Property Report

The Unclaimed Property Report was prepared. This report is required by the State Treasurer. For the District, the primary items included on this report are unclaimed user refunds. The November Claim Ordinance will include a check for \$988.19 to the State Treasurer for refunds unclaimed for five years. In 2016, the state statute was modified to change the unclaimed fund period from seven years to five, resulting in this year's report containing three years' worth of unclaimed funds. Earlier this year, the state statute was modified again to come more in line with the rest of the country, resulting in the unclaimed fund period for user refunds starting in 2018 to shift to one year and other categories of unclaimed funds to shift to three years. This will considerably reduce the volume of unclaimed funds issued to the State from the District in the future.

### Real Estate Tax Sale

Annually, any unpaid special assessment installment is sent to the County in October for the November tax sale. This year, there were two unpaid assessment installment across multiple special assessments that were sent to the County. We have since received payment for both of the outstanding installments resulting in none going to tax sale.

### Vehicle Purchases and Sale

We are currently in the process of selling two of the District's pickup trucks along with other miscellaneous equipment with a sealed bid sale opening of November 22.

We are also in the process of selling the District's Atomic Absorption Spectrometer laboratory equipment with a sealed bid sale opening of December 6.

### Annual Budget and Five-Year Plan

I started working on budget preparation for FY18-19 for the Administration department and several other District-wide expenses.

### Workers Compensation Renewal

We are currently in the process of shopping the District's workers compensation coverage (currently with Illinois Public Risk Fund) and will have renewal information at December's board meeting.

### Informational Meetings with new Deferred Compensation Plan Provider (IPPFA)

We held voluntary informational meetings with representatives from Illinois Public Pension Fund Association (IPPFA) on Thursday, November 16 and Friday, November 17 to inform employees about the plan offered by IPPFA as a new supplemental benefit in addition to the existing plan already offered by ICMA-RC, the District's existing deferred compensation plan provider.

### Insurance Requirements and Limits

Staff is continuing to investigate updating the District's insurance requirements and limits for contractors performing work for the District – I have solicited information from various peer agencies through the IAWA Administrative Subcommittee and will be compiling that information for further evaluation.

### 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, ASK, PWC, KJR, RTJ, MJS, TTC, RPS, MRM, JPB, DRB, MGP

## USER BILLING SUMMARY

### User Charge System

Billings for October 2017 were as follows:

User	\$356,226.96
Surcharge	44,616.89
Monthly fees	307,708.21
Total	<u>\$708,552.06</u>
 Summer Usage Adjustment	 \$25,561.18
 Billable Flow	 231,386,752
Budgeted Billable Flow	213,520,019
% Actual/Budgeted Billable Flow	108.37%
 YTD Billable Flow	 1,132,986,170
YTD Budgeted Billable Flow	1,073,802,007
% Actual/Budgeted Billable Flow	105.51%

The user accounts receivable balance on 10/31/17 is \$641,438.93 and consists of:

Current charges due 11/15/17	\$536,054.82
Past due charges and penalty	105,384.11
Total	<u>\$641,438.93</u>

The past due charges represent:

<u>Age</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Totals</u>
30 days past due	\$30,430.74	\$4,190.58	\$34,621.32
60 days past due	20,696.82	3,707.40	24,404.22
90 days & greater past due	41,605.97 #	4,752.60	46,358.57
	<u>                    </u>	<u>                    </u>	<u>                    </u>
Totals	\$92,733.53	\$12,650.58	\$105,384.11

Summary of  
Past Due Charges  
(90 Days and Over)

Five Year Comparison

**OCTOBER**

<u>Year</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
2017	\$41,605.97	\$4,752.60	46,358.57 ***
2016	39,945.94	5,369.89	45,315.83 ***
2015	39,096.34	6,260.71	45,357.05 **
2014	33,486.35	4,737.01	38,223.36 **
2013	36,899.65	4,944.19	41,843.84 *

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

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

\*Includes \$8,089.17 in sewer disconnection costs on 1 account.

**Twelve Months Ending OCTOBER 2017**

<u>Month</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
10/31/17	\$41,605.97	\$4,752.60	\$46,358.57
9/30/17	42,806.87	4,851.72	47,658.59
8/31/17	35,842.14	3,691.67	39,533.81
7/31/17	46,750.24	4,401.62	51,151.86
6/30/17	30,550.45	4,019.68	34,570.13
5/31/17	33,590.89	4,991.96	38,582.85
4/30/17	29,538.80	4,227.20	33,766.00
3/31/17	33,746.64	4,699.23	38,445.87
2/28/17	36,439.40	5,219.35	41,658.75
1/31/17	43,159.75	5,409.73	48,569.48
12/31/16	40,063.15	5,460.59	45,523.74
11/30/16	42,062.95	5,547.88	47,610.83

Twenty-four (24) of thirty-one (31) delinquent accounts that were scheduled for pre-enforcement conferences on October 15, 2017 have paid. Since 2012, two accounts remain disconnected from sewer service. As of July 2017, two additional sewer services were disconnected and one remains plugged.

To: Nick Menninga, General Manager  
From: Marc Majewski, Operations Supervisor  
Re: Month of October, 2017 WWTC Operations Report.  
Date: November 14, 2017

Attached please find detailed operating data and our monthly report to Illinois EPA for October. We had 4 excursions over our permit limits for TSS daily concentration and max loading. The excursions were in direct relation to the major rainfall event of October 14-15<sup>th</sup>.

Certain highlights of operational activities included:

- Monthly flow: Average daily flows to the plant were 11.98 MGD. Total precipitation at the WWTC was 11.42". There were 4 days of excess flow during the month of October. There were 12 days of discharge over 11 MGD.
- Activated sludge: Good operating performance continued throughout the month of October. Floc formers are still predominating leading to good solids settling.
- Anaerobic Digesters: Pumped a total of 1,238,062 gallons of primary sludge, 797,314 gallons of WAS, and 333,544 gallons of waste grease for a total of 2,368,920 gallons pumped to digesters. Total Volatile Solids destruction was calculated at 58.7 % for October.
- Digester gas: Total digester gas production was 4,991,176 cubic feet. 94,954 cubic feet of gas was used for anaerobic digestion heat, and 4,832,605 cubic feet was used in the CHP facilities. 12,202 cubic feet of flared gas was recorded during the month. Natural gas was used for hot water and building heat. The Munters dehumidifier used 47,171 cubic feet of gas.
- Bio-solids: 281 Cubic yards of biosolids were distributed in the month of October. A total of 3,860 cubic yards have been distributed this year. Biosolids drying and deliveries continue, weather permitting.
- Miscellaneous Items: Construction of the new grease receiving station at digester 4 & 5 continues. The grease delivery driveway has been poured, and landscape restoration is beginning. District employees worked relentlessly through the extreme rainfall event of October 14-15<sup>th</sup>. Unclogging of pipes and pumps from the amount of debris washed into the treatment plant presented a problem for weeks after the event had ended. Disinfection season came to an end November 1<sup>st</sup>.
- Electricity: Electricity from ComEd: 98,028 KW-Hrs, Electricity to ComEd: 16,200 KW-Hrs, and Electricity Generated CHP: 327,661 KW-Hrs.

C: WDVB, ASK, 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
10/1/2017	0.00	9.81	2.29	5.96	0.00	0.00	0.00	0.00	0.00	0.00	9.81	5.96	0.00
10/2/2017	0.00	10.53	3.06	6.90	0.00	0.00	0.00	0.00	0.00	0.00	10.53	6.90	0.00
10/3/2017	0.00	11.13	1.76	5.65	0.00	0.00	0.00	0.00	0.00	0.00	11.13	5.65	0.00
10/4/2017	0.08	8.94	3.06	6.40	0.00	0.00	0.00	0.00	0.00	0.00	8.94	6.40	0.00
10/5/2017	0.00	9.50	3.01	6.22	0.00	0.00	0.00	0.00	0.00	0.00	9.50	6.22	0.00
10/6/2017	0.33	10.29	3.83	7.08	0.00	0.00	0.00	0.00	0.00	0.00	10.29	7.08	0.00
10/7/2017	0.51	20.60	3.88	8.81	0.00	0.00	0.00	0.00	0.00	0.00	20.60	8.81	0.00
10/8/2017	0.00	10.62	4.77	7.68	0.00	0.00	0.00	0.00	0.00	0.00	10.62	7.68	0.00
10/9/2017	0.00	9.98	3.71	6.93	0.00	0.00	0.00	0.00	0.00	0.00	9.98	6.93	0.00
10/10/2017	0.62	20.50	3.59	8.79	0.00	0.00	0.00	0.00	0.00	0.00	20.50	8.79	0.00
10/11/2017	1.21	23.51	11.77	17.11	0.00	0.00	0.00	0.00	0.00	0.00	23.51	17.11	0.00
10/12/2017	0.00	12.94	7.42	9.80	0.00	0.00	0.00	0.00	0.00	0.00	12.94	9.80	0.00
10/13/2017	0.00	10.85	4.92	8.10	0.00	0.00	0.00	0.00	0.00	0.00	10.85	8.10	0.00
10/14/2017	6.43	27.14	5.50	21.41	40.75	19.96	16.00	10.67	20.16	6.09	104.05	58.12	30.88
10/15/2017	0.45	28.29	7.99	24.36	41.46	28.98	16.00	5.89	20.16	6.89	105.91	66.11	35.02
10/16/2017	0.00	22.86	17.68	21.07	12.17	2.31	0.00	0.00	0.00	0.00	35.03	23.38	1.90
10/17/2017	0.00	21.80	12.43	15.05	0.00	0.00	0.00	0.00	0.00	0.00	21.80	15.05	0.00
10/18/2017	0.00	22.38	3.31	11.53	0.00	0.00	0.00	0.00	0.00	0.00	22.38	11.53	0.00
10/19/2017	0.00	14.39	7.67	10.82	0.00	0.00	0.00	0.00	0.00	0.00	14.39	10.82	0.00
10/20/2017	0.00	13.54	6.66	9.79	0.00	0.00	0.00	0.00	0.00	0.00	13.54	9.79	0.00
10/21/2017	0.00	12.49	5.81	8.91	0.00	0.00	0.00	0.00	0.00	0.00	12.49	8.91	0.00
10/22/2017	0.35	13.07	5.41	9.28	0.00	0.00	0.00	0.00	0.00	0.00	13.07	9.28	0.00
10/23/2017	0.65	29.16	11.18	20.41	0.00	0.00	0.00	0.00	0.00	0.00	29.16	20.41	0.43
10/24/2017	0.76	25.43	16.22	21.42	22.86	9.29	0.00	0.00	0.00	0.00	48.29	30.71	12.88
10/25/2017	0.00	26.70	20.48	22.01	6.71	0.65	0.00	0.00	0.00	0.00	33.40	22.66	1.20
10/26/2017	0.00	22.36	14.49	16.97	0.00	0.00	0.00	0.00	0.00	0.00	22.36	16.97	0.00
10/27/2017	0.00	16.21	10.37	13.01	0.00	0.00	0.00	0.00	0.00	0.00	16.21	13.01	0.00
10/28/2017	0.03	15.06	8.49	11.16	0.00	0.00	0.00	0.00	0.00	0.00	15.06	11.16	0.00
10/29/2017	0.00	14.00	7.10	10.29	0.00	0.00	0.00	0.00	0.00	0.00	14.00	10.29	0.00
10/30/2017	0.00	13.00	6.55	9.66	0.00	0.00	0.00	0.00	0.00	0.00	13.00	9.66	0.00
10/31/2017	0.00	12.01	5.85	8.76	0.00	0.00	0.00	0.00	0.00	0.00	12.01	8.76	0.00
Minimum	0.00	8.94	1.76	5.65	0.00	0.00	0.00	0.00	0.00	0.00	8.94	5.65	0.00
Maximum	6.43	29.16	20.48	24.36	41.46	28.98	16.00	10.67	20.16	6.89	105.91	66.11	35.02
Total	11.42	519.08	230.24	371.32	123.95	61.19	32.00	16.56	40.32	12.98	715.35	462.04	82.30
Average	0.37	16.74	7.43	11.98	4.00	1.97	1.03	0.53	1.30	0.42	23.08	14.90	2.66

## Monthly Operations Report Page 2

	Tertiary Flow MGD	MLSS Avg	Activated Sludge Inventory Lbs MLSS	Activated Sludge SRT Days	15 Minutes Aeration Settling %	30 Minutes Aeration Settling %	60 Minutes Aeration Settling %	Sludge Volume Index	System 1 RAS TSS	System 2 RAS TSS	Dupage River Outfall DO
Date	MGD		LBS	DAYS	mL/L	mL/L	mL/L	mL/g	mg/l	mg/l	mg/l
10/1/2017	5.96		71,904	36.84							
10/2/2017	6.90		73,020	38.17							7.6
10/3/2017	5.65		85,545	43.83							7.2
10/4/2017	6.40	2,044	71,476	36.13	16	13	12	65		4,112	6.8
10/5/2017	6.22	2,558	92,506	45.38	18	15	14	60	3,765		
10/6/2017	7.08	2,870	102,707	35.04	25	19	16	67		4,994	
10/7/2017	8.81		102,707	29.95							
10/8/2017	7.68		102,707	29.52							
10/9/2017	6.93	3,299	115,868	33.23	25	21	18	65		4,755	7.7
10/10/2017	8.79	2,836	98,787	26.99	27	22	19	78	3,114		7.4
10/11/2017	17.11	1,847	71,475	11.87	16	13	12	71		8,160	6.2
10/12/2017	9.80	2,006	77,970	12.88	17	15	13	74	3,190		
10/13/2017	8.10	2,536	90,297	22.72	22	18	17	71		5,324	
10/14/2017	21.41		90,297	21.65							
10/15/2017	24.36		90,297	93.79							
10/16/2017	21.07	2,350	89,180	31.90	18	16	14	66		8,834	
10/17/2017	15.05	2,695	104,254	26.26	24	19	17	71	5,404		8.3
10/18/2017	11.53	2,956	112,335	24.89	26	21	19	72		8,593	8.2
10/19/2017	10.82	3,164	122,522	22.55					5,730		8.1
10/20/2017	9.79	3,171	122,747	24.19	32	25	21	77		7,168	
10/21/2017	8.91		122,747	24.30							
10/22/2017	9.28		122,747	24.31							
10/23/2017	20.41	2,521	102,321	16.99	21	18	16	70		8,880	7.1
10/24/2017	21.42	2,284	94,984	16.60	20	17	15	75	4,976		7.6
10/25/2017	22.01	2,018	91,465	18.36	18	15	14	74		8,126	
10/26/2017	16.97	2,646	99,618	20.37	23	21	19	78	4,879		8.0
10/27/2017	13.01	2,822	106,016	18.23	29	23	20	82		8,636	
10/28/2017	11.16		106,016	17.36							
10/29/2017	10.29		106,016	17.35							
10/30/2017	9.66	2,841	105,764	23.41	30	24	21	84		6,570	8.5
10/31/2017	8.76	2,930	105,471	22.51	29	23	20	79	3,873		8.8
Minimum	5.65	1,847	71,474.73	11.87	15.50	13.25	12.25	59.60	3,114	4,112	6.2
Maximum	24.36	3,299	122,746.94	93.79	31.50	24.50	20.50	83.59	5,730	8,880	8.8
Total	371.32	52,392	3,051,766.05	867.58	434.75	357.25	315.50	1,376.86	34,931	84,152	107.5
Average	11.98	2,620	98,444.06	27.99	22.95	18.84	16.68	72.58	4,366	7,013	7.7

## Monthly Operations Report Page 3

	Tertiary Flow MGD	Influent BOD 5	Primary Clarifier BOD 5	Intermediat e Clarifier CBOD 5	Tertiary Effluent CBOD 5	Tertiary Effluent CBOD 5 Load	BOD 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
10/1/2017	5.96							45	74	
10/2/2017	6.90							61	84	70.2
10/3/2017	5.65	245	130	1.9	2.4	113	97.1	68	79	70.0
10/4/2017	6.40	218	127	2.1	2.0	107	97.1	58	74	70.5
10/5/2017	6.22	222	131	2.5	1.1	57	98.6	53	82	70.7
10/6/2017	7.08							60	71	
10/7/2017	8.81							61	80	
10/8/2017	7.68							54	81	
10/9/2017	6.93	205			0.9	52	99.4	50	85	69.1
10/10/2017	8.79	218	86	2.4	0.8	59	99.0	57	66	69.6
10/11/2017	17.11	120			1.5	214	94.0	56	62	68.4
10/12/2017	9.80	130	64	1.8	1.0	82	97.2	56	59	
10/13/2017	8.10							54	76	
10/14/2017	21.41	115						61	66	
10/15/2017	24.36	58			7.5	1,524	59.3	47	67	
10/16/2017	21.07	52			1.4	246	96.3	40	66	
10/17/2017	15.05	68	37	1.6	1.7	213	97.1	48	72	
10/18/2017	11.53	85	40	2.6	1.6	154	97.5	49	73	67.4
10/19/2017	10.82							48	75	
10/20/2017	9.79							52	82	
10/21/2017	8.91							61	79	
10/22/2017	9.28							51	70	
10/23/2017	20.41	72						50	56	
10/24/2017	21.42	112	24	2.3	1.6	286	98.0	43	51	65.8
10/25/2017	22.01	212	28	2.6	1.0	184	99.2	36	58	65.8
10/26/2017	16.97	118	44	2.1	0.8	113	98.9	35	62	65.7
10/27/2017	13.01							38	56	
10/28/2017	11.16							36	41	
10/29/2017	10.29							33	49	
10/30/2017	9.66							38	51	66.0
10/31/2017	8.76	122	62	1.5	0.7			34	42	65.7
Minimum	5.65	52	24	1.5	0.70	52	59.3	33	41	65.7
Maximum	24.36	245	131	2.6	7.50	1,524	99.4	68	85	70.7
Total	371.32	2,372	773	23.4	26.00	3,403	1,328.8	1,533	2,088	884.9
Average	11.98	140	70	2.1	1.73	243	94.9	49	67	68.1

## Monthly Operations Report Page 4

	Tertiary Flow MGD	Influent TSS	Primary Clarifier TSS	Intermediate Clarifier TSS	Tertiary Effluent TSS	Tertiary Effluent TSS Load	TSS Removal %	Influent pH	Primary Clarifier pH	Tertiary Effluent pH	Intermediate pH
Date	MGD	mg/l	mg/l	mg/l	mg/l	lbs/day	%	SU	SU	SU	SU
10/1/2017	5.96	180			0.6	30	99.7				
10/2/2017	6.90	285	66	6.9	0.8	46	99.7	7.4	6.9	7.1	7.0
10/3/2017	5.65	380	77	7.3	0.8	38	99.8	7.3	7.2	7.1	7.1
10/4/2017	6.40	353	81	8.9	0.6	32	99.8	7.2	7.2	6.9	6.9
10/5/2017	6.22	250	74	9.0	0.5	26	99.8	7.3	7.2	6.9	6.8
10/6/2017	7.08	188			0.4	24	99.8	7.2	7.1	6.9	6.9
10/7/2017	8.81	204			0.6	44	99.7				
10/8/2017	7.68	136			0.5	32	99.6				
10/9/2017	6.93	220	70	8.0	0.4	23	99.8	7.4	7.1	7.0	7.2
10/10/2017	8.79	225	82	10.2	0.8	59	99.6	7.4	7.2	7.0	7.1
10/11/2017	17.11	164	61	9.0	1.1	157	99.3	7.4	7.2	6.9	7.1
10/12/2017	9.80	180	41	6.7	0.4	33	99.8	7.6	7.5	7.0	7.2
10/13/2017	8.10	107			0.5	34	99.5	7.5	7.4	7.0	7.3
10/14/2017	21.41	204			25.0	4,465	87.7				
10/15/2017	24.36	69			43.2	8,776	37.2				
10/16/2017	21.07	68	38	9.3	1.7	299	97.5	7.6	7.7	7.2	7.4
10/17/2017	15.05	76	27	5.2	1.0	125	98.7	7.6	7.8	7.3	7.4
10/18/2017	11.53	92	27	4.9	0.8	77	99.1	7.6	7.7	7.3	7.4
10/19/2017	10.82	116	40	3.1	1.0	90	99.1	7.5	7.7	7.2	7.3
10/20/2017	9.79	132			0.6	49	99.5				
10/21/2017	8.91	124			0.5	37	99.6				
10/22/2017	9.28	126			0.7	54	99.4				
10/23/2017	20.41	118	140	5.2	1.4	238	98.8	7.5	7.4	7.2	7.3
10/24/2017	21.42	96	25	7.1	1.1	196	98.9	7.6	7.6	7.2	7.3
10/25/2017	22.01	216	24	5.3	1.1	202	99.5	7.7	7.7	7.4	7.5
10/26/2017	16.97	122	74	3.9	0.4	57	99.7	7.7	7.4	7.3	7.5
10/27/2017	13.01	72			0.5	54	99.3	7.7	7.7	7.3	7.4
10/28/2017	11.16	80			0.5	47	99.4				
10/29/2017	10.29	100			0.4	34	99.6				
10/30/2017	9.66	210	32	3.3	0.4	32	99.8	7.6	7.5	7.4	7.4
10/31/2017	8.76	175	44	3.6	0.4	29	99.8	7.6	7.7	7.5	7.5
Minimum	5.65	68	24	3.1	0.4	23	37.2	7.2	6.9	6.9	6.8
Maximum	24.36	380	140	10.2	43.2	8,776	99.8	7.7	7.8	7.5	7.5
Total	371.32	5,068	1,023	116.9	88.7	15,439	3,008.7	157.4	155.9	150.1	152.0
Average	11.98	163	57	6.5	2.9	498	97.0	7.5	7.4	7.1	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
10/1/2017	5.96	24.58	0.05	2.5		
10/2/2017	6.90	35.38	0.60	34.5	0.00	
10/3/2017	5.65				0.03	
10/4/2017	6.40	35.18	0.65	34.7	0.03	0
10/5/2017	6.22	32.80	0.09	4.7	0.00	2
10/6/2017	7.08				0.00	
10/7/2017	8.81					
10/8/2017	7.68	17.68	0.07	4.5		
10/9/2017	6.93	26.92	0.05	2.9	0.04	
10/10/2017	8.79				0.01	0
10/11/2017	17.11	14.20	1.23	175.5	0.04	7
10/12/2017	9.80	20.84	0.20	16.3	0.02	
10/13/2017	8.10				0.02	
10/14/2017	21.41				0.00	
10/15/2017	24.36	1.82	0.04	8.1		
10/16/2017	21.07	6.48	0.13	22.8	0.02	
10/17/2017	15.05	8.48	0.12	15.1	0.02	8
10/18/2017	11.53	11.92	0.30	28.9	0.02	14
10/19/2017	10.82	18.68	0.43	38.8	0.03	
10/20/2017	9.79				0.04	
10/21/2017	8.91					
10/22/2017	9.28	15.68	0.09	7.0		
10/23/2017	20.41	8.88	0.14	23.8	0.03	59
10/24/2017	21.42	5.80	0.04	7.1	0.00	
10/25/2017	22.01	5.64	0.04	7.3	0.05	54
10/26/2017	16.97	14.52	0.06	8.5	0.00	
10/27/2017	13.01				0.02	
10/28/2017	11.16					
10/29/2017	10.29	14.28	0.04	3.4		
10/30/2017	9.66	20.16	0.03	2.4	0.02	12
10/31/2017	8.76	24.08	0.07	5.1	0.02	3
Minimum	5.65	1.82	0.03	2.4	0.00	0.0
Maximum	24.36	35.38	1.23	175.5	0.05	59.0
Total	371.32	364.00	4.47	454.0	0.46	159.0
Average	11.98	17.33	0.21	21.6	0.02	10.8

## SLUDGE DATA

Primary Sludge	TS	2.98 %	1,238,062 Gallons
WAS to Digesters	TS	2.50 %	797,314 Gallons
Hauled Grease to Digs	TS	5.25 %	333,544 Gallons
<u>Anaerobically Digested Sludge Pumping</u>			
Drying Beds	TS	2.83 %	170,940 Gallons
BFP	TS	2.10 %	266,547 Gallons
Lagoons	TS	%	Gallons
Total			437,487 Gallons
VS Destruction			58.7 %

## Biosolids Disposal

Pick-Up Station	Oct	17 Cu. Yds
Delivered	Oct	168 Cu. Yds
Contractor Pickup and District Use	Oct	96 Cu. Yds
Total	Oct	281 Cu. Yds
Pick-Up Station	YTD	250 Cu. Yds
Delivered	YTD	3,187 Cu. Yds
Contractor Pick-Up and District Use	YTD	423 Cu. Yds
Total	YTD	3,860 Cu. Yds

## ENERGY DATA

Total Digester Gas Production	4,991,176 SCF
Gas Volume per Volatile Solids Load	9.8 Cu.Ft./Lb.

## Digester Gas Utilization

Heat Exchangers	94,954 SCF
Dehumidification	47,171 SCF
CHP	4,832,605 SCF
Total	4,974,730 SCF

## Digester Gas Flared

12,202 SCF

## Natural Gas Consumed

WWTC	7,000 SCF
MSB	8,333 SCF
Chemical Feed	1,400 SCF
5006 Walnut	2,100 SCF
Kilowatt-hours from Comed	98,028 KWH
Kilowatt-hours to Comed	16,200 KWH
Kilowatt-hours Generated CHP	327,661 KWH

## MISCELLANEOUS

Grit Removal	Oct	40 Cu. Yds
Grit Removal	YTD	220 Cu. Yds
Anaerobic Supernate		1,619,316 Gallons
Waste Activated Sludge		74,286 Gals/Day
City Water Consumed		60,264 Gallons

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:001  
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

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

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

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 10/01/17 to 10/31/17

DMR Due Date:11/25/17

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: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						=	7.6		=	7.1	=	6.2	19 - mg/L	18/30 - 18 Per Month	GR - GRAB
					Permit Req.							Req Mon MO AV MN		Req Mon MN WK AV		Req Mon DAILY MN	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample								=	5.8	=	8.1	19 - mg/L	17/30 - 17 Per Month	CP - COMPOS	
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.9			=	7.7	12 - SU	23/30 - 23 Per Month	GR - GRAB	
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	3.3	=	10.2	19 - mg/L	DL/DS - Daily When Discharging	CP - COMPOS	
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample								=	0.62	=	4.92	19 - mg/L	22/30 - 22 Per Month	CP - COMPOS	
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample										=	5.24	19 - mg/L	09/30 - Nine Per Month	CP - COMPOS	
					Permit Req.											Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								=	0.08			19 - mg/L	DL/DS - Daily When Discharging	GR - GRAB	
					Permit Req.								<=	.75 MO AVG			19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample										=	107	13 - #/100mL	DL/DS - Daily When Discharging	GR - GRAB	
					Permit Req.										<=	400 DAILY MX	13 - #/100mL	0	DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample		=		366.76	80 - Mgal/mo									99/99 - Continuous	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo								0	99/99 - Continuous	
					Value NODI															

Submission Note

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

Edit Check Errors

No errors.

Comments

31 days of discharge, including 5 days combined with A01 and 1 day with C01.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2017-11-13 14:32 (Time Zone: -06:00)

Report Last Signed By



DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:002  
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

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

Discharge:002-0  
MIXING CHMBR OVERFLOW 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 10/01/17 to 10/31/17

DMR Due Date:11/25/17

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										=	6.7	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											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								=	9.7	=	11	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					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						=	7.1			=	7.7	12 - SU	0	DL/DS - Daily When Discharging	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								=	15	=	23.7	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					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										=	4.92	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											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										=	1.41	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					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								=	0.35			19 - mg/L	0	DL/DS - Daily When Discharging	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										=	160	13 - #/100mL	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.										<=	400 DAILY MX	13 - #/100mL		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample		=		82.3	80 - Mgal/mo								0	DL/DS - Daily When Discharging	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Discharging	
					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

6 days of discharge.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2017-11-13 14:32 (Time Zone: -06:00)

Report Last Signed By

User:reeseberry  
Name:Dorrance Berry  
E-Mail:rberry@dgsd.org  
Date/Time:2017-11-13 14:33 (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:

003  
External Outfall

Discharge:

003-0  
EXCESS FLOW TO ST. JOSEPH CRK

Report Dates & Status

Monitoring Period:

From 10/01/17 to 10/31/17

DMR Due Date:

11/25/17

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										=	7.5	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											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								=	18.4	=	18.4	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					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						=	7.3			=	7.4	12 - SU	0	DL/DS - Daily When Discharging	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								=	26.7	=	26.7	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					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										=	2.3	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											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										=	1.13	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					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								=	0.45			19 - mg/L	0	DL/DS - Daily When Discharging	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										=	0	13 - #/100mL	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.										<=	400 DAILY MX	13 - #/100mL		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample		=		12.98	80 - Mgal/mo								0	DL/DS - Daily When Discharging	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Discharging	
					Value NODI															

Submission Note

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

Edit Check Errors

No errors.

Comments

2 days of discharge.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2017-11-13 14:20 (Time Zone: -06:00)

Report Last Signed By

User:reeseberry  
Name:Dorrance Berry  
E-Mail:rberry@dgsd.org  
Date/Time:2017-11-13 14:33 (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 10/01/17 to 10/31/17

DMR Due Date:11/25/17

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										=	38.4	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample										=	61.8	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample										=	10.9	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											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										=	1.64	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	61.19	80 - Mgal/mo								0	DL/DS - Daily When Discharging	CN - CONTIN
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Discharging	CN - CONTIN
					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

5 days of discharge. Event 1: 10/14/17 to 10/16/17, discharging for 52.2 hours. 6.88 inches of rain over 30 hours. B01 flow rate at A01 start time: 18,679 gpm. Event 2: 10/24/17 to 10/25/17, discharging for 21.5 hours. 1.41 inches of rain over 30 hours. B01 flow rate at A01 start time: 15,881 gpm.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2017-11-13 14:21 (Time Zone: -06:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2017-11-13 14:33 (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:

B01  
External Outfall

Discharge:

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

Report Dates & Status

Monitoring Period:

From 10/01/17 to 10/31/17

DMR Due Date:

11/25/17

Status:

NetDMR Validated

Considerations for Form Completion

DMF LOAD LIMITS DISPLAYED.

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			
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Sample										=	68.5	15 - deg F	0	01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon MO MAX	15 - deg F		01/30 - Monthly	GR - GRAB
					Value NODI															
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	1	--	Sample					=	7.7	=	7.1	=	6.2	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					=	6.9			=	7.5	12 - SU	0	05/WK - Five Per 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										=	120	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															
X 00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	498	=	8776	26 - lb/d		=	2.9	=	43.2	19 - mg/L	4	05/WK - Five Per 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										=	16.8	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	9	--	Sample	=	21.62	=	175.5	26 - lb/d		=	0.21	=	1.23	19 - mg/L	0	05/WK - Five Per Week	CP - COMPOS	
					Permit Req.	<=	275 MO AVG	<=	550 DAILY MX	26 - lb/d		<=	1.5 MO AVG	<=	3 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										<	1.1	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										=	16.8	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										=	5.24	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										=	3.17	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										=	128	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	=	11.98	=	24.36	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	0	--	Sample										=	0.05	19 - mg/L	0	05/WK - Five Per Week	GR - GRAB
					Permit Req.										<=	.05 DAILY MX	19 - mg/L		02/DA - 2 Days Every Week	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample										=	59	13 - #/100mL	0	02/DA - 2 Days Every Week	GR - GRAB
					Permit Req.										<=	400 DAILY MX	13 - #/100mL		02/DA - 2 Days Every Week	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	243.1	=	1523.7	26 - lb/d		=	1.7	=	7.5	19 - mg/L	0	03/07 - Three Per 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

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
00530	Solids, total suspended	1 - Effluent Gross	Quantity or Loading Sample Value 2	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
00530	Solids, total suspended	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Solids, total suspended (TSS) excursions, load and concentration, occurred on 10/14/17 and 10/15/17, during high flow rain event with 6.88 inches of rain and resulting heavy first flush plant load.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry

Name: Dorrance Berry

E-Mail: rberry@dgsd.org

Date/Time: 2017-11-13 14:21 (Time Zone: -06:00)

Report Last Signed By

User: reeseberry

Name: Dorrance Berry

E-Mail: rberry@dgsd.org

Date/Time: 2017-11-13 14:33 (Time Zone: -06:00)

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 10/01/17 to 10/31/17

DMR Due Date:11/25/17

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										=	29.5	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample										=	82.8	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample										=	2.86	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											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										=	1.79	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	16.56	80 - Mgal/mo								0	DL/DS - Daily When Discharging	CN - CONTIN
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Discharging	CN - CONTIN
					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

1 day of discharge. Event 1: 10/14/17 to 10/15/17, discharging for 23.8 hours. 6.88 inches of rain over 30 hours. B01 flow rate at C01 start time: 20,833 gpm.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2017-11-13 14:21 (Time Zone: -06:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2017-11-13 14:33 (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:

INF  
Influent Structure

Discharge:

INF-L  
INFLUENT MONITORING

Report Dates & Status

Monitoring Period:

From 10/01/17 to 10/31/17

DMR Due Date:

11/25/17

Status:

NetDMR Validated

Considerations for Form Completion

CS

Principal Executive Officer

First Name:

Nicholas

Last Name:

Menninga

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form 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:

2017-11-13 14:22 (Time Zone: -06:00)

Report Last Signed By

User:

reeseberry

Name:

Dorrance Berry

E-Mail:

rberry@dgsd.org

Date/Time:

2017-11-13 14:33 (Time Zone: -06:00)

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Nicholas J. Menninga, General Manager

FROM: Jeff Barta, Maintenance Supervisor

DATE: November 16, 2017

SUBJECT: October 2017 Maintenance Report

Attached is a work order summary detailing equipment repair and preventive maintenance activities conducted by the maintenance/electrical department and operations during October 2017.

Special projects in October included:

**Secondary Clarifiers 8 & 9 – Influent Sluice Gate Repairs**

The 30" influent sluice gates for aeration tanks 8 & 9, and the interconnect gate between aeration tanks 8 & 9 and 10 & 11 have been inoperable for several years. The required repair parts including new stems and operators were purchased in 2016 from JM Process. We finally had an opportunity (with the required low flow conditions) to be able to divert flow from the aeration tanks and make the necessary repairs. District staff assisted Dahme Mechanical with these repairs on all three (3) of the 30" sluice gates.

**Hobson Lift Station – Drywell (Underground) HVAC Replacement**

The compressor failed on the A/C condensing unit for the underground lift station. The air handler in the underground station was also in very poor condition and needed to be replaced. As a cost saving measure, the District purchased the new air handler, ductwork and miscellaneous materials directly from the suppliers. Gee Heating supplied the new 5 ton condensing unit and the installation labor. District staff assisted Gee Heating with the removal of all of the old equipment and the installation of the new equipment.

**Wroble Lift Station – Discharge Force Main Repair**

On Sunday night October 15<sup>th</sup> at the end of the heavy rain event, we discovered that there was a leak on the force main on Fairview Avenue south of 63<sup>rd</sup> street.

On Monday, October 16<sup>th</sup> (in preparation for the repair) traffic control was set up by Road Safe LLC, and the leak was located by Associated Technical Services. Unfortunately, the continued high flow conditions prevented us from attempting the repair on that day. The gravity bypass line that we would normally use for the Wroble lift station was unable to handle the continued higher than normal flow rates, and we could not drain the force main.

On Tuesday, October 17<sup>th</sup> the lift station was shut down, and the force main was drained. Uno Construction excavated at the location where Associated Technical Services had indicated. A hole, approximately 2-3 inches in diameter, was located in the pipe approximately 150 feet south of 63<sup>rd</sup> street on Fairview. It appears this hole was caused by external corrosion. A stainless steel repair sleeve was installed to repair the leak. The station was put back in operation late in the afternoon. The roadway was also repaired and all lanes were reopened by 6:00 p.m.

cc: WDVB, ASK, PWC, KJR, RTJ, MJS, WCC, MGP

# Work Order Summary

Work Order Completion Dates from 10/2/2017 to 10/31/2017

Work Assignment	Completion Date	Equipment	NOTATIONS
Six Month Oil Change Filter's #3 & #4	10/12/2017	Filter 3  Filter 4	
Six Month Oil Change Filter's #5 & #6	10/13/2017	Filter 5  Filter 6	
3 Month Oil Change Blower #4	10/11/2017	Aeration Blower 04	
Change Pre-Filters On Blowers 6, 7, 8, Blow Out Filter.	10/10/2017	Aeration Blower 06  Aeration Blower 07 Aeration Blower 08	
Clean Office Roof Of All Debris	10/13/2017	Administration Center	Remove Debris from the roof and clean the drain.
Replace Discharge Force Main Air Relief Valves (2)	10/10/2017	Centex Discharge Force Main  Hobson Discharge Force Main	Replace both combination air relief valves on teh force main with reconditioned units. Clean and recondition the valves that were removed to reuse at the next locations.  Replace both combination air relief valves on the force main with reconditioned units. Clean and recondition the valves that were removed to reuse at the next location.
	10/11/2017	Venard Discharge Force Main Wroble Discharge Force Main Digester 2 Mixing System	Replace both air relief valves with reconditioned units.
Flush Pearth 2 with 3 oz of Kerosene/Oil mixture			
Replace Discharge Force Main Air Relief Valves (3)	10/10/2017	Northwest Discharge Force Main	Replace all three air relief valves with reconditioned units.
Replace Air Filters In Geothermal unit.	10/18/2017	Raw Sewage Pump Station	Replace filters in geothermal unit. Used filters from stock.
Oil Bell & Gosset Pumps	10/24/2017	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 Maintenance Building Furnaces	10/18/2017	Maintenance Services Building	Replace filters on both furnaces.
12 Month/10,000 Mile Synthetic Oil Change (2014 Honda Civic CNG) # 316	10/10/2017	2014 Honda Civic CNG	Change oil & air filter, rotate tires and check pressure, 26,367 miles.
Change Oil In Carter Gear Drives On Moyno's In Belt Press	10/12/2017	Belt Press Sludge Feed Pump 1 Belt Press Sludge Feed Pump 2	
Calibrate Influent, Effluent, & Excess Flow Transducers	10/24/2017	Flow Meter - Excess	Check flow meter calibration vs staff gauges at grit tank wiers and at the Parshall Flumes. All reading correctly.

Friday, November 17, 2017

Page 1 of 5

Work Assignment	Completion Date	Equipment	NOTATIONS
Calibrate Influent, Effluent, & Excess Flow Transducers	10/24/2017	Flow Meter - Influent Flow Meter - Tertiary	Check flow meter calibration vs staff gauges at grit tank wiers and at the Parshall Flumes. All reading correctly.
Exercise Ratio Valve #2	10/10/2017	Tunnel - System 2 RAS	
EXCESS 003- Exercise 30" and 24" DEZURIK Valves		Excess Flow 003 Valves	
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1 Emergency Generator 2 Emergency Generator 3	
Grease Pump Bearings on 1-6 RAS pumps		RAS Pump 1 RAS Pump 2 RAS Pump 3 RAS Pump 4 RAS Pump 5 RAS Pump 6	
Remove/Install Insulating Jackets on Digester Gas Equipment	10/27/2017	Digester 5 Cover	
Seasonal open and close of Pearth 4 louvers	10/10/2017	Digester 4 Mixing System	
Install snow plow equipment.	10/2/2017	2011 Ford F-250	Regional Truck Equipment provided and installed the complete Western Ultra-mount snow plow equipment (less plow) on the on truck.
Check air compressor for the aeration tank mixing system. Low pressure.	10/3/2017	Blower Building	Found motor was bad. Remove old motor install new motor, belt pulley and replace the belt.
2502 hours. Perform 1200 hour maintenance on CHP unit.	10/4/2017	CHP Engine Genset #2	Performed cylinder compression and ignition tests on all cylinders. Adjusted valves. Replaced valve cover gaskets. General cleaning.
Check air compressor for blast mixer - Not working	10/5/2017	Aeration Tank 05 Aeration Tank 06 Aeration Tank 07	Replace the motor, belts and air filter, test operation and the compressor is bad. Purchase and install 2 100' long 1" air hoses to connect to the ODS pump air system. Test operation to see if the Kaiser air compressor will have enough air for the ODS pum
20,755 hours. Replace 12 volt batteries (2).	10/6/2017	CHP Engine Genset	Purchased and replaced 2 batteries.
20,755 hours. Purchase Anti-Freeze for stock.			Purchased 55 gallons of Anti-Freeze for CHP 1.
Renewal of the 6 month inspection contract required by the State		Excess Flow Pump Station Raw Sewage Pump Station	Renew inspection contract with Colley Elevator.
Exercising of secondaries 1 and 2 influent gates	10/11/2017	Secondary Clarifier 1 Secondary Clarifier 2	
6 Month Oil Change Raw Sludge Pumps 2, 3, 5	10/30/2017	Primary Sludge Pump 2 Primary Sludge Pump 3 Primary Sludge Pump 5	
500 Hour Oil Change on Pearth 4	10/26/2017	Digester 4 Mixing System	

Work Assignment	Completion Date	Equipment	NOTATIONS
Check Sump Pumps at The WWTC and Administration Bldg.	10/11/2017	Administration Center Blower Building Digester 1 and 2 Control Bldg Digester 3 Control Building Digester 4 - 5 Control Buildg Excess Flow Pump Station Excess Flow Sludge Pump House Grit Building Hypochlorite Feed Blg Interm Clarifier Sludge Bldg Maintenance Services Building Microstrainer Building Operations Center Raw Sewage Pump Station Tunnel/Chan Aeration Tank 1-11	
Due for the cooling water coils flushing.	10/24/2017	Laboratory Maintenance Services Building Raw Sewage Pump Station	Gee Heating acid cleaned and flushed the cooling water coils on the 5 Geothermal units.
Replace stems & gear operators on the (3) 30" sluice gates	10/3/2017	Secondary Clarifier 8 Secondary Clarifier 9	Set up pumps for bypass pumping during the outage to repair the sluice gates. Dahme Mechanical removed the sluice gate stems, broken pedestal and gear operators. Free up the gates, install the new stems and operators, clean sealing faces, adjust travel li
30,000 Miles - Due for oil change. (Every 10,000 Miles)	10/12/2017	2015 Ford F-150 Reg Cab 4x2	Change oil and filter. Use Mobil 1 synthetic oil and an extra life oil filter. Also rotate tires and replace the air filter.
Restock stainless valves and supplies for air relief valve maintenance	10/13/2017	Butterfield Lift Station Centex Lift Station College Lift Station Earlston Lift Station Hobson Lift Station Liberty Park Lift Station Northwest Lift Station Venard Lift Station Wroble Lift Station	Order Stainless ball valves & fittings, PVC vent items for air relief valves repairs.
Troubleshoot and repair pump.	10/12/2017	Conc Tank Moyno Sludge Pump 3	Rebuilt with new parts, the rotor and stator linkage/gear assembly. Replaced rotor and stator with new.
Repair leak in discharge piping	10/18/2017	Raw Sewage Pump 3	Found an old 2" nipple and gate valve that rusted out.

Work Assignment	Completion Date	Equipment	NOTATIONS
elbow in middle level of the building.			Valve off pipe line, remove the rusted out nipple and install a stainless steel plug.
Replace the Bio-Block for grease removal in the wet well.	10/19/2017	Butterfield Lift Station	Remove the old depleted Bio-Block and install the new block.
20,874 Hours - Due for 1,500 hour service	10/20/2017	CHP Engine Genset	Oil change replace oil and filters from stock. Replaced spark plug wires from stock. Replaced oil breather from stock. Replaced air filter from stock. Cleaned engine and tightened loose fittings.
2,832 Hours - Due for 500 hour oil change.		CHP Engine Genset #2	Replaced oil and oil filters from stock.
Check air leak on pressure regulator.	10/19/2017	Primary ODS Sludge Pump 1	Rebuild pressure regulator and replace the pressure gauges. Use parts from stock and re-order.
Check, Remove,Clean. Grease-debris from wells	10/25/2017	Excess Flow Pump Station Raw Sewage Pump Station	
Exercising of Raw and Excess Influent valves	10/27/2017		
Change Pre-Filters Blowers 1 - 4.	10/26/2017	Blower Bag Room	
By-Weekly Fluid and Misc. Check of Generators	10/25/2017	Emergency Generator 1 Emergency Generator 2 Emergency Generator 3	
2000 Hour Grease of Plant Effluent Pumps		Plant Effluent Water Pump #2	
3 Month Grease- Secondaries 1 & 2		Secondary Clarifier 1 Secondary Clarifier 2	
Six Month Oil Change Primaries 1 & 2 Long Collector	10/26/2017	Primary Clarifier 1 Primary Clarifier 2	
EXERCISE SLUICE GATES-WITH DRILL	10/25/2017	Channel Aeration Tank 8-11 ML Secondary Clarifier 9	
Troubleshoot surging RPM on screener	10/20/2017	2006 TROMMEL SCREEN	Complete service fluids, filters, lube bearings and drum chain. Adjust drum drive chains and adjust drum cleaner brush.
Sump Pump removal and replace	10/17/2017	Excess Flow Pump Station	Replaced gate valve with new, replaced new sump pump with new, also removed all stone in the sump pit.
Trouble shoot 353 Jetter rear engine starter	10/26/2017	2011 Freightliner M2	Trouble shoot electrical system to rear engine starter and found batteries to main system very low. cleaned and serviced batteries, replaced bad battery trickle charge. System OK.
Repair hydraulic leak on Bobcat 333	10/25/2017	2009 BOB CAT S 300 #333	Ordered and Picked up male coupler for hydraulic manifold on Bobcat.
Replace seal and bearings on sludge recirc. #4	10/28/2017	Digester 4 - 5 Sl Recirc Pmp 4	Replaced bearings and seal on sludge recirc #4.
Trouble shoot seal water on sludge recirculation pump #6	10/30/2017	Digester 4 - 5 Sl Recirc Pmp 6	Replaced seal water piping on sludge recirc pump 6.
Repair coolant filter and remove rock restricting vacuum from boom.	10/12/2017	2014 VACCON PD3611	Replaced leaking coolant filter and removed a rock that was restricting the vacuum from the boom.
Check exhaust fan in the lowest level by the drain pumps.	10/18/2017	Microstrainer Building	Found motor not working, remove unit, disassemble and order a replacement motor on 10/17/17. Install the new motor, re-assemble and re-install on 10/18/17.
Order more engine oil for both CHP engines.	10/20/2017	CHP Engine Genset	Ordered oil from Nissen.

Work Assignment	Completion Date	Equipment	NOTATIONS
		CHP Engine Genset #2	
Install the rough-in plumbing and electrical for the new Miele glass was	10/24/2017	Laboratory	Remove the old glass washer, disconnect and abandon the water and electrical. Install new power cord and water supply & drain lines. Assist with final connections at start up.
Annual UPS Unit battery replacement due.	10/25/2017	Butterfield Lift Station	Replace the batteries on the UPS units for the Scada panels at all 9 locations.
		Centex Lift Station	
		College Lift Station	
		Earlston Lift Station	
		Hobson Lift Station	
		Liberty Park Lift Station	
		Northwest Lift Station	
		Venard Lift Station	
		Wroble Lift Station	
Purchase and install a waste oil tank for the oil cage.		Maintenance Services Building	A new 350 gallon double wall waste oil storage tank was purchased from Jake's Machine. The tank was painted, moved into position and vent piping was installed through the wall and extended above the roof of the building.
Annual Open House Preparations.	10/7/2017		Annual Open House. Expenses only, labor not included.
Replace the A/C unit and the Air Handler for the underground drywell.	10/24/2017	Hobson Lift Station	Gee Heating removed the old condensing unit and air handler in the lower level. Installed a new 5 ton condensing unit and air handler. Staff assisted with the installation and installed all of the new power circuits for the condensing unit.
Check conditioner level on the loop water system.	10/26/2017	CHP Heat Recovery System	
Check the D.O. probe not working properly.	10/27/2017	Aeration Tank 08	Found the membrane on the end cap was worn off. Replace the end cap and put back on-line. Re-order membrane/end caps for stock.
Replace driveway gate and fence fabric that is rusted out and peeling.	10/30/2017	Earlston Lift Station	United Fence remove the existing 8' high driveway gate, fence fabric, and top rail. Prep and paint all fence posts. United Fence returned and cut the 8' posts down to 6', installed a new 6' high driveway gate, fence fabric and installed a new top rail aro
2500 hours. Place order for CHP maintenance parts stock.	10/31/2017	CHP Engine Genset #2	Ordered parts.
Repair cord reel for the elevator.		Hobson Lift Station	Install a new spring motor on the cord reel and test operation.

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

DATE: November 3, 2017

TO: Nicholas J. Menninga  
General Manager

FROM: Robert Swirsky  
Sewer System Maintenance Supervisor

RE: Monthly Report – October, 2017

1.	JULIE Line Markings:	Current	Year to Date
	Received	1561	12854
	In District	1431	11874
	Marked	224	2079
	Man Hours	87	837
2.	Building Service:	Current	Year to Date
a.	BSSRAP TV Inspections	23	183
b.	Emergency BSSRAP Repairs	14	97
c.	Total BSSRAP Repairs	22	144
d.	I&I inspections	00	26
e.	I&I C.O. installation	01	09
f.	Replace broken cleanout caps	00	04
g.	OHSP TV Inspections	00	01
h.	Post Rodding TV	08	31
3.	Sewer backups:	Current	Year to Date
a.	Public sewer	0	8
b.	Private sewer	26	157
c.	Surcharged main	33	33
d.	Pump station	<u>0</u>	<u>0</u>
	Total	59	198
		Current	Year to Date
4.	Sewer Cleaning (DGSD personnel):	18,436	387,594 Ft.
	a. Sewer Cleaning (outside contractors):	0	445 Ft.
5.	Main Sewer Televising (DGSD personnel):	50	3,058 Ft.
	a. Sewer Televising (outside contractors):	33,425	33,425 Ft.
6.	LETS TV	0	3
7.	Manhole inspections	0	115

8. Sewer and manhole repairs and replacements by Uno Construction:  
Mainline repair – H3-057 to H3-056
  
10. Miscellaneous: (sewer system personnel)
  - a. Re-locate and Upload flow-meters.
  - b. Vac-Con work at the WWTC and lift stations
  - c. Replace manhole covers.
  - d. OHSP Elevations – 2.
  - e. Dyed Water Flood Testing – 1.

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

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

DATE: November 16, 2017

TO: Nicholas J. Menninga  
General Manager

FROM: Ted Cherwak  
Sewer Construction Supervisor

RE: Monthly Report: Sewer Construction \ Code Enforcement – October 2017

- | 1. | Permits issued: | Current  | Year to Date |
|----|-----------------|----------|--------------|
| a. | Single family   | 9        | 85           |
| b. | Multiple family | 0        | 1            |
| c. | Commercial      | 2        | 13           |
| d. | Repair          | 1        | 4            |
| e. | Disconnection   | <u>4</u> | <u>65</u>    |
|    | Total           | 16       | 168          |
- 
- | 2. | Inspections made:      | Current  | Year to Date |
|----|------------------------|----------|--------------|
| a. | Connections            | 8        | 99           |
| b. | Finals                 | 7        | 73           |
| c. | Repairs                | 1        | 5            |
| d. | Disconnects            | 7        | 65           |
| e. | Groundwork             | 0        | 4            |
| f. | Walk-Thru              | 0        | 1            |
| g. | Pre-connections        | 1        | 4            |
| h. | Overhead Sewer Program | 0        | 2            |
| i. | Code Enforcement       | 0        | 17           |
| j. | Lateral testing        | <u>9</u> | <u>90</u>    |
|    | Total                  | 33       | 360          |
- 
3. New Sewer Extension Construction:
- a. None
- 
4. New Sewer Extension Testing - air, deflection, manhole, televising and lamping:
- a. Oak Trace-200 Village Drive, sewer relocation
- 
5. Code Enforcement:
- a. Miscellaneous walk-thru inspections
- b. Overhead Sewer Program
- c. Grease Trap Inspections

6. Plan & Permit Reviews:

- a. 3943 Sterling, single family review
- b. 1779 Boundary, single family review
- c. 4705 Middaugh, single family review
- d. 4521 Woodward, single family review
- e. 410 Otis, single family review
- f. 4540 Saratoga, single family review
- g. 4023 N Lincoln, single family review
- h. 4509 Elm, single family review
- i. 1022 Ogden, MOD Pizza restaurant, tenant finish out plans
- j. 1570 Butterfield, Mission BBQ restaurant, 1<sup>st</sup> & 2<sup>nd</sup> reviews site & plumbing plans
- k. 2400 Curtiss, Rexnord Industries (Phase 1 redevelopment) 1<sup>st</sup> & 2<sup>nd</sup> reviews site & architectural plans

7. Building Sanitary Service Access Agreements:

- a. 4521 Woodward, Downers Grove
- b. 410 Otis, Downers Grove
- c. 4601 Cross, Downers Grove
- d. 4450 Woodward, Downers Grove
- e. 4736 Prince, Downers Grove

8. Illinois EPA Permits:

- |                                   |        |
|-----------------------------------|--------|
| a. Woodview Subdivision-M/I Homes | 179 PE |
| b. Sherman Extension-Rally Homes  | 7 PE   |

9. Waste Hauling Permits Issued:

- a. None

10. Miscellaneous:

- a. On vacation October 9<sup>th</sup> to 20<sup>th</sup>
- b. Village of Downers Grove road work manhole adjustments
- c. Woodview Subdivision pre-construction meeting
- d. Hazard Communication training
- e. Village of Downers Grove storm sewer installation

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

# Permits Issued: OCTOBER 2017

YEAR	PERMIT #	ADDRESS	STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2017	163	410	OTIS	DG	10/2/2017	DISCON		
2017	164	4333	ROSLYN	DG	10/2/2017	DISCON		
2017	166	3943	STERLING	DG	10/3/2017	SF-ADD		\$199.00
2017	159	416	SHERMAN	DG	10/4/2017	SF-RB		\$199.00
2017	167	321 W	NAPERVILLE	W	10/4/2017	REPAIR		
2017	158	4601	CROSS	DG	10/5/2017	SF-SC	\$3,003.00	\$199.00
2017	152	4450	WOODWARD	DG	10/5/2017	SF-RB		\$199.00
2017	149	5732	WEBSTER	DG	10/5/2017	SF-RB		\$199.00
2017	169	1570	BUTTERFIELD	DG	10/6/2017	COM		\$330.00
2017	170	2400	CURTISS	DG	10/10/2017	COM		\$330.00
2017	161	4736	PRINCE	DG	10/11/2017	SF-RB		\$199.00
2017	173	4521	WOODWARD	DG	10/19/2017	SF-RB		\$199.00
2017	174	410	OTIS	DG	10/20/2017	SF-RB		\$199.00
2017	177	4509	ELM	DG	10/24/2017	SF-ADD		\$199.00
2017	179	5313	PARK	DG	10/30/2017	DISCON		
2017	180	4521	WOODWARD	DG	10/30/2017	DISCON		
TOTAL:							\$3,003.00	\$2,451.00

# Permit Final Inspections: OCTOBER 2017

YEAR	PERMIT #	ADDRESS	STREET	CITY	FINAL
2016	71	514	SHERMAN	DG	10/4/2017
2017	14	4428	STERLING	DG	10/9/2017
2017	15	4433	STANLEY	DG	10/9/2017
2017	52	5306	CARPENTER	DG	10/11/2017
2016	156	925	BLANCHARD	DG	10/11/2017
2016	202	5229	FAIRMOUNT	DG	10/18/2017
2016	44	4617	ROSLYN	DG	10/31/2017

## Progress Report

To: Nick Menninga, General Manager  
From: Reese Berry, Laboratory Supervisor  
Date: November 14, 2017  
Re: October 2017 Laboratory Report

We had 5 excess sampling events during the month of October. There were 4 permit excursions during October 2017, which occurred during an excess event. The 4 excursions were for TSS loading and concentration exceedances from 2 days this month.

### **Industrial/Pretreatment:**

All sampling of current permitted industrial users is complete, we are awaiting results from the samples. All permitted users are in compliance with their permits at this time.

### **Procurement:**

We received our new laboratory grade dishwasher, which was budgeted for replacement this year. The new unit has been engineered to eliminate the faults/errors we were seeing with the previous unit.

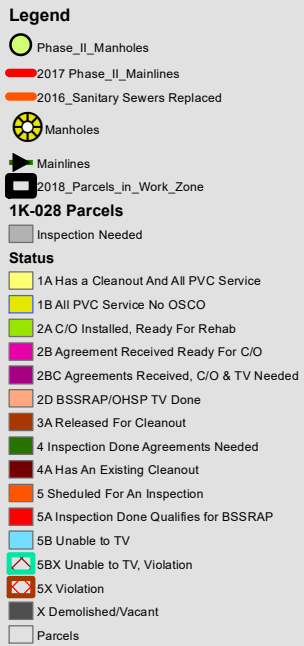
### **Membership Activity:**

I attended an Industrial Pretreatment Seminar in Rosemont, which included several pretreatment topics that impact our facility.

### **Personnel:**

Malwina Serpa returned to work this month after her scheduled leave. We are excited to have our staff back to full strength heading into the fall and winter months. Kenny Lookingbill put in extra time and effort to ensure all the normal laboratory testing was completed while she was on leave.

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



## 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	16	7%
1B	Y	Y	N	N	N	N/A	1	0%
2A	Y	Y	Y	Y	Y	N	60	26%
2B	Y	Y	Y	Y	Y	N	8	3%
2D	Y	Y	Y	N	N	N	2	1%
3A	Y	Y	Y	Y	N	N	7	3%
4	Y	Y	N	N	N	N	30	13%
4A	N	N	N	N	N/A	N	4	2%
5	Y	N	N	N	N	N	0	0%
5A	Y	Y	N	N	N	N	17	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	0	0%
0	N	N	N	N	N	N	56	24%
X	-	-	-	-	-	-	5	2%
5X	-	-	-	-	-	-	1	0%
<b>Category Description:</b>							<b>229</b>	<b>100%</b>
								<b>10% Complete</b>

- 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  
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: 10/31/17**

			PREVIOUS MONTH		
CASH BALANCES			TOTAL BALANCE	MONTHLY	EARNINGS CREDIT
ACCOUNT NAME	ACCOUNT NUMBER	BALANCE PER BANK STATEMENT	PER BANK STATEMENTS	EARNINGS CREDIT	PERCENTAGE
DEPOSIT	XXXXXXXX1116	\$1,654,516.99			
DISBURSEMENT	XXXXXXXX1111	294,269.53			
FLEXIBLE BENEFITS	XXXXXXXX6025	9,751.11			
PAYROLL	XXXXXXXX1117	207,669.04			
PETTY CASH	XXXXXXXX1112	3,991.00			
USER REFUNDS	XXXXXXXX1114	9,731.16			
<b>TOTAL - CASH AT BANK</b>		<b>\$2,179,928.83</b>	<b>\$2,373,293.64</b>	<b>\$670.80</b>	<b>0.0283%</b>

## **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	CIT BANK	12 MOS	11/9/2017	\$245,000.00	1.150%	\$245,000.00					\$2,817.50
CD	TRISTATE CAPITAL	12 MOS	11/9/2017	\$249,990.00	1.050%		\$249,990.00				\$2,624.90
CD	BRIDGEVIEW BANK	12 MOS	1/15/2018	\$250,000.00	1.000%		\$207,719.45		\$35,260.73	\$7,019.82	\$2,500.00
CD	FIRST INTERNET BANK	12 MOS	5/14/2018	\$250,000.00	1.350%		\$250,000.00				\$3,375.00
CD	TAB BANK	12 MOS	5/23/2018	\$250,000.00	1.300%		\$250,000.00				\$3,250.00
TOTAL CDs				\$1,244,990.00	1.170%	\$245,000.00	\$957,709.45	\$0.00	\$35,260.73	\$7,019.82	\$14,567.40

TYPE	FINANCIAL INSTITUTION	TERM	LAST ACTION DATE	AMOUNT	CURRENT RATE OF RETURN						ESTIMATED ANNUAL RETURN
MM	BANKFINANCIAL*	ONGOING	3/13/2013	\$250,000.00	0.440%	\$250,000.00					\$1,100.00
MM	CIT BANK	ONGOING	11/9/2016	\$5,000.00	0.450%	\$5,000.00					\$22.50
MM	LISLE SAVINGS BANK	ONGOING	9/2/2015	\$250,000.00	0.300%	\$250,000.00					\$750.00
MM	LUANA SAVINGS BANK	ONGOING	4/2/2012	\$250,000.00	1.000%	\$250,000.00					\$2,500.00
MM	NATIONWIDE BANK	ONGOING	10/9/2015	\$250,000.00	0.300%		\$250,000.00				\$750.00
MM	PBI BANK	ONGOING	9/9/2013	\$250,000.00	0.250%		\$250,000.00				\$625.00
MM	ROYAL BANK fka Park Fed Savings	ONGOING	12/4/2012	\$250,000.00	0.498%	\$250,000.00					\$1,245.00
MM	STEARNS BANK	ONGOING	9/1/2015	\$250,000.00	1.000%	\$250,000.00					\$2,500.00
MM	TRISTATE CAPITAL BANK	ONGOING	11/9/2016	\$10.00	0.250%		\$10.00				\$0.03
MM	WEST SUBURBAN BANK	ONGOING	11/20/2012	\$250,000.00	0.450%		\$250,000.00				\$1,125.00
TOTAL MM ACCOUNTS				\$2,005,010.00	0.530%	\$1,255,000.00	\$750,010.00	\$0.00	\$0.00	\$0.00	\$10,617.53
ILLINOIS FUNDS - MONEY MARKET				\$24,235.61	1.069%	\$24,235.61	\$0.00	\$0.00	\$0.00	\$0.00	\$259.08
SUBTOTAL - CD'S, MM AND IL FUNDS				\$3,274,235.61	0.777%	\$1,524,235.61	\$1,707,719.45	\$0.00	\$35,260.73	\$7,019.82	\$25,444.00
TYPE		INSTALLMENT INVOICED	CLOSING DATE	AMOUNT	FIXED RATE						
VOUCHERS - SA54		10 OF 10	01/03/17	0.00	6.000%	0.00	0.00	0.00			0.00
VOUCHERS - SA55		10 OF 10	01/03/17	0.00	6.000%	0.00	0.00	0.00			0.00
VOUCHERS - SA56		9 OF 10	01/02/18	0.00	6.000%	0.00	0.00	0.00			0.00
VOUCHERS - SA57		9 OF 10	01/02/18	5,890.32	6.000%	324.83	959.80	4,605.69			353.42
VOUCHERS - SA58		8 OF 10	01/02/19	23,647.69	1.240%	1,322.24	22,325.45	0.00			293.23
TOTAL VOUCHERS				\$29,538.01	2.189%	\$1,647.07	\$23,285.25	\$4,605.69	\$0.00	\$0.00	\$646.65
<b>TOTAL - ALL INVESTMENTS</b>				<b>\$3,303,773.62</b>	<b>0.790%</b>	<b>\$1,525,882.68</b>	<b>\$1,731,004.70</b>	<b>\$4,605.69</b>	<b>\$35,260.73</b>	<b>\$7,019.82</b>	<b>\$26,090.65</b>

\* \$249,900 in a Money Market Account and \$100 in a Business Checking Account

**TOTAL CASH AND INVESTMENTS** \$5,483,702.45

**Board of Trustees**  
Wallace D. Van Buren  
*President*  
Amy S. Kovacevic  
*Vice President*  
Paul W. Coultrap  
*Clerk*

# Downers Grove Sanitary District

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

**General Manager**  
Nicholas J. Menninga

**Legal Counsel**  
Michael G. Philipp

*Providing a Better Environment for South Central DuPage County*

## Memo

To: Board of Trustees  
From: Nick Menninga, General Manager  
Date: November 17, 2017  
Subject: Treasurer's Report for October, 2017

Attached please find the subject report that tracks income and expenses for the first six months of Fiscal Year 17-18.

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

Year-to-date	Income	Expense
General Fund	\$ 4,843,776.93 (page 1)	\$ 3,923,649.86 (page 6)
Improvement Fund	\$ 96,397.73 (page 7)	\$ 83,816.85 (page 7)
Construction Fund	\$ 250,060.25 (page 8)	\$ 551,577.73 (page 9)
Public Benefit Fund	\$ 176.73 (page 10)	\$ 0.00 (page 10)
TOTAL	\$ 5,190,411.64	\$ 4,559,044.44

C: BOLI, WCC, MGP

=====

Fund number & Description	Ending Fund Balance
-----	
Fund 01 : GENERAL FUND	\$3,312,981.57
Fund 02 : IMPROVEMENT FUND	\$1,898,675.58
Fund 03 : CONSTRUCTION FUND	\$164,623.05
Fund 05 : PUBLIC BENEFIT FUND	\$35,754.12
Recap Totals	<hr/> \$5,412,034.32

## TREASURER'S REPORT

DATE 11/17/17

MONTH ENDED 10/31/17

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		30,671.96-	24,300-	1,120,635.86-	1,136,800-	16,164.14	1.4-	1,149,800-
3001	USER RECEIPTS		264,186.73-	306,000-	1,577,351.50-	1,685,000-	107,648.50	6.4-	3,283,100-
3002	SURCHARGES		20,941.83-	25,850-	165,075.99-	154,900-	10,175.99-	6.6	310,000-
3004	PLAN REVIEW FEES		1,386.00-	0	2,481.00-	500-	1,981.00-	396.2	1,000-
3005	CONSTRUCTION INSPECTION FEES		.00	0	.00	240-	240.00	100.0-	500-
3006	PERMIT INSPECTION FEES		2,451.00-	1,833-	12,504.00-	10,998-	1,506.00-	13.7	22,000-
3007	INTEREST ON INVESTMENTS		967.21-	804-	5,733.41-	4,824-	909.41-	18.9	9,650-
3013	SAMPLING AND MONITORING		7,362.91-	5,417-	46,090.94-	32,502-	13,588.94-	41.8	65,000-
3014	REPLACEMENT TAXES		9,548.63-	13,800-	37,858.86-	43,600-	5,741.14	13.2-	79,800-
3015	MISCELLANEOUS INCOME		326.79-	2,500-	3,732.16-	15,000-	11,267.84	75.1-	30,000-
3021	TELEVISION INSPECTION		.00	0	.00	0	.00	.0	150-
3023	PROPERTY LEASE PAYMENTS		.00	2,792-	13,755.65-	16,752-	2,996.35	17.9-	33,500-
3024	MONTHLY SERVICE FEES		313,265.42-	296,000-	1,766,692.10-	1,773,000-	6,307.90	.4-	3,553,200-
3027	GREASE WASTE		8,213.50-	13,333-	87,221.46-	79,998-	7,223.46-	9.0	160,000-
3040	RENEWABLE ENERGY CREDITS		.00	0	4,644.00-	0	4,644.00-	.0	0
=====									
DEPT 05 TOTALS			659,321.98-	692,629-	4,843,776.93-	4,954,114-	110,337.07	2.2-	8,697,700-
=====									
FUND REVENUE TOTAL			659,321.98-	692,629-	4,843,776.93-	4,954,114-	110,337.07	2.2-	8,697,700-
=====									
DEPT 11	O & M EXPENSES - ADMINISTRATION								
SECT A	SALARIES AND WAGES								
A001	TRUSTEES		.00	0	9,000.00	9,000	.00	.0	18,000
A002	BOLI		.00	0	.00	450	450.00-	100.0-	900
A003	GENERAL MANAGEMENT		18,172.43	25,710	104,674.33	133,952	29,277.67-	21.9-	257,050
A004	FINANCIAL RECORDS		14,432.94	17,560	100,155.43	93,132	7,023.43	7.5	179,450
A005	ADMINISTRATIVE RECORDS		4,976.65	5,665	23,376.83	29,399	6,022.17-	20.5-	56,100
A007	CODE ENFORCEMENT		27,655.39	31,330	168,425.35	163,011	5,414.35	3.3	311,700
A008	SAFETY ACTIVITIES		21.73	225	382.23	1,223	840.77-	68.8-	2,350
A030	BUILDING AND GROUNDS		26.80	0	1,445.21	0	1,445.21	.0	0
=====									
SECT A TOTALS			65,285.94	80,490	407,459.38	430,167	22,707.62-	5.3-	825,550
=====									
SECT B	OPERATIONS AND MAINTENANCE								
B100	ELECTRICITY		228.31	375	1,454.51	2,400	945.49-	39.4-	4,000
B101	NATURAL GAS		32.41	300	325.55	1,150	824.45-	71.7-	3,000
B102	WATER, GARBAGE AND OTHER UTILITIES		.00	0	994.90	580	414.90	71.5	1,000
B110	BANK CHARGES		1,555.83	1,800	8,356.71	10,800	2,443.29-	22.6-	21,250
B112	COMMUNICATION		1,029.96	1,500	6,349.85	9,000	2,650.15-	29.5-	18,000
B115	EQUIPMENT/EQUIPMENT REPAIR		465.06	10,000	39,340.11	58,900	19,559.89-	33.2-	100,000
B116	SUPPLIES		234.11	650	3,312.78	3,900	587.22-	15.1-	7,800
B117	EMPLOYEE/DUTY COSTS		910.64	1,200	4,527.89	7,200	2,672.11-	37.1-	14,000
B118	BUILDING AND GROUNDS		801.00	0	49,757.83	19,000	30,757.83	161.9	22,000
B119	POSTAGE		75.64	1,042	214.04	6,252	6,037.96-	96.6-	12,500
B120	PRINTING/PHOTOGRAPHY		373.26	300	6,291.34	9,100	2,808.66-	30.9-	10,400
B121	USER BILLING MATERIALS		978.72	6,000	28,618.48	36,000	7,381.52-	20.5-	72,000

TREASURER'S REPORT

DATE 11/17/17  
FUND 01 GENERAL FUND

MONTH ENDED 10/31/17

PAGE 2

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		3,342.32	7,075	61,283.65	42,450	18,833.65	44.4	84,900
B137	MEMBERSHIPS/SUBSCRIPTIONS		5,274.00	5,440	6,423.00	6,140	283.00	4.6	12,150
=====									
SECT B TOTALS			15,301.26	35,682	217,250.64	212,872	4,378.64	2.1	383,000
=====									
SECT C VEHICLES									
C222	GAS/FUEL		69.74	150	463.62	950	486.38-	51.2-	2,100
C225	OPERATION/REPAIR		.00	0	49.42	626	576.58-	92.1-	1,250
=====									
SECT C TOTALS			69.74	150	513.04	1,576	1,062.96-	67.5-	3,350
=====									
=====									
DEPT 11 TOTALS			80,656.94	116,322	625,223.06	644,615	19,391.94-	3.0-	1,211,900
=====									
DEPT 12 O & M EXPENSES - WWTC									
SECT A SALARIES AND WAGES									
A009	OPERATIONS MANAGEMENT		9,098.61	2,230	56,909.15	11,456	45,453.15	396.8	21,700
A010	MAINTENANCE - BUDGET		.00	55,250	.00	285,750	25,640.35-	9.0-	543,150
A011	MAINTENANCE - WWTC		26,702.44	0	198,343.20	0	.00	.0	0
A012	MAINTENANCE - VEHICLES		558.20	0	2,653.78	0	.00	.0	0
A013	MAINTENANCE - ENERGY RECOVERY		2,017.51	0	21,767.27	0	.00	.0	0
A014	MAINTENANCE - ELECTRICAL		2,850.13	0	37,345.40	0	.00	.0	0
A020	WWTC - BUDGET		.00	64,090	.00	330,424	49,271.48-	14.9-	626,900
A021	WWTC - OPERATIONS		23,793.72	0	177,713.03	0	.00	.0	0
A022	WWTC - SLUDGE HANDLING		15,181.67	0	95,262.14	0	.00	.0	0
A023	WWTC - ENERGY RECOVERY		794.68	0	8,177.35	0	.00	.0	0
A030	BUILDING AND GROUNDS		11,826.46	4,905	38,918.60	25,386	13,532.60	53.3	48,450
=====									
SECT A TOTALS			92,823.42	126,475	637,089.92	653,016	15,926.08-	2.4-	1,240,200
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		13,568.12	8,050	73,049.03	48,300	24,749.03	51.2	96,600
B101	NATURAL GAS		190.16	1,000	3,564.67	6,000	2,435.33-	40.6-	12,000
B102	WATER, GARBAGE AND OTHER UTILITIES		1,458.05	1,000	11,628.97	16,200	4,571.03-	28.2-	32,000
B103	ODOR CONTROL		465.00	700	2,416.00	4,200	1,784.00-	42.5-	8,000
B104	FUEL - GENERATORS		.00	0	953.54	7,500	6,546.46-	87.3-	15,000
B112	COMMUNICATION		981.77	1,192	6,660.61	7,152	491.39-	6.9-	14,300
B113	EMERGENCY/SAFETY EQUIPMENT		696.82	2,033	4,783.31	12,198	7,414.69-	60.8-	24,400
B116	SUPPLIES		4,023.48	2,500	15,151.58	15,000	151.58	1.0	30,000
B117	EMPLOYEE/DUTY COSTS		880.09	2,500	6,815.43	13,500	6,684.57-	49.5-	25,000
B124	CONTRACT SERVICES		.00	0	127,218.00	127,200	18.00	.0	127,200
B130	NPDES PERMIT FEES		.00	0	53,000.00	53,000	.00	.0	53,000
B131	SLUDGE HAULING/DISPOSAL SERVICES		.00	0	20,000.00	0	20,000.00	.0	0
B400	CHEMICALS - BUDGET		.00	10,117	.00	60,702	16,276.54-	26.8-	121,400
B401	CHEMICALS - DISINFECTION		2,889.14	0	27,833.71	0	.00	.0	0
B402	CHEMICALS - SLUDGE DEWATERING		1,890.00	0	9,450.00	0	.00	.0	0
B403	CHEMICALS - TERTIARY TREATMENT		.00	0	3,103.00	0	.00	.0	0
B404	CHEMICALS - OTHER		.00	0	4,038.75	0	.00	.0	0
B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS		339.10	5,153	143,332.22	170,918	27,585.78-	16.1-	201,833

## TREASURER'S REPORT

DATE 11/17/17

MONTH ENDED 10/31/17

PAGE 3

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B502	EQPT/EQPT REPAIR - DISINFECTION		.00	2,701	2,122.12	16,206	14,083.88-	86.9-	32,414
B503	EQPT/EQPT REPAIR - EXCESS FLOW		.00	707	1,630.32	4,242	2,611.68-	61.6-	8,487
B504	EQPT/EQPT REPAIR - GRIT REMOVAL		.00	2,061	1,774.56	12,366	10,591.44-	85.7-	24,731
B505	EQPT/EQPT REPAIR - INFLUENT PUMPING		.00	3,978	8,079.27	23,868	15,788.73-	66.2-	47,742
B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT		.00	4,227	2,007.70	25,362	23,354.30-	92.1-	50,719
B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT		6,100.84	7,114	33,101.28	42,684	9,582.72-	22.5-	85,371
B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION		.00	265	.00	1,590	1,590.00-	100.0-	3,183
B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING		2,112.04	3,271	29,974.86	19,626	10,348.86	52.7	39,249
B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION		.00	6,921	3,254.88	41,526	38,271.12-	92.2-	83,046
B511	EQPT/EQPT REPAIR - TERTIARY TREATMENT		.00	2,297	1,127.71	13,782	12,654.29-	91.8-	27,566
B512	EQPT/EQPT REPAIR - WWTC GENERAL		785.89	3,498	21,818.00	20,988	830.00	4.0	41,979
B513	EQPT/EQPT REPAIR - WWTC UTILITIES		1,068.44	11,685	97,999.80	70,110	27,889.80	39.8	403,080
B801	BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOS		.00	417	1,172.00	2,502	1,330.00-	53.2-	5,000
B802	BLDG AND GROUNDS - DISINFECTION		.00	44	.00	264	264.00-	100.0-	531
B803	BLDG AND GROUNDS - EXCESS FLOW		.00	297	.00	1,782	1,782.00-	100.0-	3,561
B804	BLDG AND GROUNDS - GRIT REMOVAL		40.51	88	101.49	528	426.51-	80.8-	1,061
B805	BLDG AND GROUNDS - INFLUENT PUMPING		713.00	707	4,553.00	4,242	311.00	7.3	8,487
B806	BLDG AND GROUNDS - PRIMARY TREATMENT		.00	530	.00	3,180	3,180.00-	100.0-	6,365
B807	BLDG AND GROUNDS - SECONDARY TREATMENT		.00	1,130	.00	6,780	6,780.00-	100.0-	13,561
B809	BLDG AND GROUNDS - SLUDGE DEWATERING		.00	422	.00	2,532	2,532.00-	100.0-	5,061
B810	BLDG AND GROUNDS - SLUDGE DIGESTION		.00	4,143	3,111.11	24,858	21,746.89-	87.5-	49,713
B811	BLDG AND GROUNDS - TERTIARY TREATMENT		.00	442	492.68-	2,652	3,144.68-	118.6-	5,305
B812	BLDG AND GROUNDS - WWTC GENERAL		6,694.48	13,218	120,808.84	79,308	41,500.84	52.3	158,613
B813	BLDG AND GROUNDS - WWTC UTILITIES		4,167.57	549	4,167.57	3,294	873.57	26.5	6,592
=====									
SECT B TOTALS			49,064.50	104,957	849,310.65	966,142	116,831.35-	12.1-	1,872,150
=====									
SECT C VEHICLES									
C222	GAS/FUEL		1,950.82	2,917	10,967.09	17,502	6,534.91-	37.3-	35,000
C225	OPERATION/REPAIR		1,907.43	500	3,835.29	3,000	835.29	27.8	6,000
C226	VEHICLE PURCHASES		.00	0	22,237.00	15,000	7,237.00	48.3	15,000
=====									
SECT C TOTALS			3,858.25	3,417	37,039.38	35,502	1,537.38	4.3	56,000
=====									
DEPT 12 TOTALS									
			145,746.17	234,849	1,523,439.95	1,654,660	131,220.05-	7.9-	3,168,350
=====									
DEPT 13 O & M EXPENSES - LABORATORY									
SECT A SALARIES AND WAGES									
A009	OPERATIONS MANAGEMENT		5,310.75	6,007	25,853.62	31,010	5,156.38-	16.6-	58,800
A040	LABORATORY - BUDGET		.00	16,230	.00	83,458	2,928.82	3.5	157,100
A041	LAB - WWTC		7,888.61	0	71,738.46	0	.00	.0	0
A042	LAB - PRETREATMENT		1,873.31	0	8,053.77	0	.00	.0	0
A043	LAB - SURCHARGE PROGRAM		.00	0	3,432.64	0	.00	.0	0
A044	LAB - BOD		.00	0	406.11	0	.00	.0	0
A045	LAB - SOLIDS		.00	0	236.35	0	.00	.0	0
A046	LAB - AMMONIA		.00	0	451.61	0	.00	.0	0
A048	LAB - ENERGY RECOVERY		321.52	0	2,067.88	0	.00	.0	0
=====									
SECT A TOTALS			15,394.19	22,237	112,240.44	114,468	2,227.56-	2.0-	215,900
=====									

## TREASURER'S REPORT

DATE 11/17/17

MONTH ENDED 10/31/17

PAGE 4

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
SECT B OPERATIONS AND MAINTENANCE									
B114	CHEMICALS		.00	1,375	4,562.52	8,250	3,687.48-	44.7-	16,500
B115	EQUIPMENT/EQUIPMENT REPAIR		4,031.00	2,417	13,099.99	14,502	1,402.01-	9.7-	29,000
B116	SUPPLIES		276.97	1,663	5,948.30	9,978	4,029.70-	40.4-	19,950
B117	EMPLOYEE/DUTY COSTS		.00	458	1,211.90	2,748	1,536.10-	55.9-	5,500
B122	MONITORING EQUIPMENT		.00	0	.00	2,000	2,000.00-	100.0-	4,000
B123	OUTSIDE LAB SERVICES		302.49	1,521	5,561.95	9,126	3,564.05-	39.1-	18,250
=====									
SECT B TOTALS			4,610.46	7,434	30,384.66	46,604	16,219.34-	34.8-	93,200
=====									
SECT C VEHICLES									
C222	GAS/FUEL		26.43	83	207.30	498	290.70-	58.4-	1,000
C225	OPERATION/REPAIR		.00	0	36.80	100	63.20-	63.2-	200
=====									
SECT C TOTALS			26.43	83	244.10	598	353.90-	59.2-	1,200
=====									
DEPT 13 TOTALS			20,031.08	29,754	142,869.20	161,670	18,800.80-	11.6-	310,300
=====									
DEPT 14 O & M EXPENSES - SEWER SYSTEM									
SECT A SALARIES AND WAGES									
A050	SEWER MAINTENANCE - BUDGET		.00	14,550	.00	73,680	10,658.91	14.5	146,900
A051	SEWER MAINTENANCE		7,408.35	0	76,496.88	0	.00	.0	0
A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS		824.14	0	7,842.03	0	.00	.0	0
A060	INSPECTION - BUDGET		.00	25,025	.00	148,520	10,406.77-	7.0-	284,000
A061	INSPECTION - NEW CONSTRUCTION		151.05	0	457.01	0	.00	.0	0
A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS		4,812.61	0	29,912.85	0	.00	.0	0
A063	INSPECTION - PERMIT INSPECTIONS		1,262.50	0	11,650.41	0	.00	.0	0
A064	INSPECTION - MISCELLANEOUS		6,326.35	0	41,853.77	0	.00	.0	0
A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES		8,941.26	0	37,180.33	0	.00	.0	0
A066	INSPECTION - CODE ENFORCEMENT		2,503.76	0	17,058.86	0	.00	.0	0
A070	SEWER INVESTIGATIONS - BUDGET		.00	1,110	.00	5,634	6.23	.1	10,800
A072	SEWER INVESTIGATIONS		999.30	0	5,640.23	0	.00	.0	0
=====									
SECT A TOTALS			33,229.32	40,685	228,092.37	227,834	258.37	.1	441,700
=====									
SECT B OPERATIONS AND MAINTENANCE									
B112	COMMUNICATION		626.75	875	4,232.40	5,250	1,017.60-	19.4-	10,500
B113	EMERGENCY/SAFETY EQUIPMENT		117.95	371	305.36	2,226	1,920.64-	86.3-	4,450
B115	EQUIPMENT/EQUIPMENT REPAIR		8,079.04	5,654	60,797.49	33,924	26,873.49	79.2	67,850
B116	SUPPLIES		12.98	500	2,533.62	3,000	466.38-	15.6-	6,000
B117	EMPLOYEE/DUTY COSTS		206.26	1,300	4,740.39	6,600	1,859.61-	28.2-	13,000
B124	CONTRACT SERVICES		255.67	11,008	64,386.25	66,048	1,661.75-	2.5-	132,100
B127	JULIE SYSTEM		.00	1,083	4,488.81	6,498	2,009.19-	30.9-	13,000
B128	OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM		.00	0	2,412.50	7,500	5,087.50-	67.8-	15,000
B129	REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGE		.00	0	1,000.00	6,000	5,000.00-	83.3-	12,000
B900	SEWER SYSTEM REPAIRS - BUDGET		.00	344,967	.00	785,802	375,968.04-	47.9-	1,799,000
B901	SEWER SYSTEM REPAIRS - I/I PROGRAM		241.00	0	421.00	0	.00	.0	0
B903	SEWER SYSTEM REPAIRS - REHABILITATION		1,255.00-	0	12,697.76	0	.00	.0	0

## TREASURER'S REPORT

DATE 11/17/17

MONTH ENDED 10/31/17

PAGE 5

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM		69,333.40	0	305,414.23	0	.00	.0	0
B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/R		.00	0	505.38	0	.00	.0	0
B929	ARRA LOAN PRINCIPAL REPAYMENT		90,795.59	0	90,795.59	0	.00	.0	0
=====									
SECT B TOTALS			168,413.64	365,758	554,730.78	922,848	368,117.22-	39.9-	2,072,900
=====									
SECT C VEHICLES									
C222	GAS/FUEL		935.15	2,208	7,589.22	13,248	5,658.78-	42.7-	26,500
C225	OPERATION/REPAIR		1,012.85	442	3,671.67	2,652	1,019.67	38.5	5,300
C226	VEHICLE PURCHASES		.00	0	35,562.72	25,000	10,562.72	42.3	25,000
=====									
SECT C TOTALS			1,948.00	2,650	46,823.61	40,900	5,923.61	14.5	56,800
=====									
DEPT 14 TOTALS			203,590.96	409,093	829,646.76	1,191,582	361,935.24-	30.4-	2,571,400
=====									
DEPT 15 O & M EXPENSES - LIFT STATIONS									
SECT A SALARIES AND WAGES									
A009	OPERATIONS MANAGEMENT		797.02	40	1,170.01	208	962.01	462.5	400
A030	BUILDING AND GROUNDS		48.64	0	707.16	0	707.16	.0	0
A080	LIFT STATION MAINTENANCE		5,983.01	6,080	34,530.74	32,044	2,486.74	7.8	62,250
=====									
SECT A TOTALS			6,828.67	6,120	36,407.91	32,252	4,155.91	12.9	62,650
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		3,773.08	9,200	52,628.38	55,200	2,571.62-	4.7-	110,000
B104	FUEL - GENERATORS		.00	0	.00	3,000	3,000.00-	100.0-	6,000
B112	COMMUNICATION		332.37	433	1,967.14	2,598	630.86-	24.3-	5,200
B113	EMERGENCY/SAFETY EQUIPMENT		73.62	0	73.62	125	51.38-	41.1-	250
B116	SUPPLIES		43.22	0	112.64	180	67.36-	37.4-	300
B520	EQPT/EQPT REPAIR - BUTTERFIELD		.00	184	860.23	1,104	243.77-	22.1-	2,205
B521	EQPT/EQPT REPAIR - CENTEX		368.00	169	652.86	1,014	361.14-	35.6-	2,024
B522	EQPT/EQPT REPAIR - COLLEGE		.00	3,357	.00	20,142	20,142.00-	100.0-	40,280
B523	EQPT/EQPT REPAIR - EARLSTON		.00	377	5,951.00	2,262	3,689.00	163.1	4,524
B524	EQPT/EQPT REPAIR - HOBSON		.00	750	11,357.03	4,500	6,857.03	152.4	9,001
B525	EQPT/EQPT REPAIR - LIBERTY PARK		.00	450	57.80	2,700	2,642.20-	97.9-	5,404
B526	EQPT/EQPT REPAIR - NORTHWEST		.00	514	1,222.49	3,084	1,861.51-	60.4-	6,168
B527	EQPT/EQPT REPAIR - VENARD		.00	441	1,048.00	2,646	1,598.00-	60.4-	5,287
B528	EQPT/EQPT REPAIR - WROBLE		13,140.00	355	13,140.00	2,130	11,010.00	516.9	4,257
B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL		81.19	3,213	400.52	19,278	18,877.48-	97.9-	38,550
B820	BLDG AND GROUNDS - BUTTERFIELD		150.00	208	754.00	1,248	494.00-	39.6-	2,500
B821	BLDG AND GROUNDS - CENTEX		150.00	0	882.00	0	882.00	.0	0
B823	BLDG AND GROUNDS - EARLSTON		150.00	417	749.00	2,502	1,753.00-	70.1-	5,000
B824	BLDG AND GROUNDS - HOBSON		1,737.67	0	41,275.42	0	41,275.42	.0	0
B825	BLDG AND GROUNDS - LIBERTY PARK		150.00	0	769.00	0	769.00	.0	0
B826	BLDG AND GROUNDS - NORTHWEST		150.00	0	2,655.50	0	2,655.50	.0	0
B827	BLDG AND GROUNDS - VENARD		150.00	0	762.00	0	762.00	.0	0
B828	BLDG AND GROUNDS - WROBLE		150.00	208	769.00	1,248	479.00-	38.4-	2,500
B829	BLDG AND GROUNDS - LIFT STATIONS GENERAL		.00	1,325	2,190.00	7,950	5,760.00-	72.5-	15,900
=====									
SECT B TOTALS			20,599.15	21,601	140,277.63	132,911	7,366.63	5.5	265,350
=====									

TREASURER'S REPORT

DATE 11/17/17  
FUND 01 GENERAL FUND

MONTH ENDED 10/31/17

PAGE 6

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
=====									
DEPT 15	TOTALS		27,427.82	27,721	176,685.54	165,163	11,522.54	7.0	328,000
=====									
DEPT 17	O & M EXPENSES - INSURANCE & EMPLOYEE BENEFITS								
SECT E	INSURANCE AND EMPLOYEE BENEFITS								
E452	LIABILITY/PROPERTY		9,070.00	9,300	143,641.63	160,000	16,358.37-	10.2-	218,200
E455	EMPLOYEE GROUP HEALTH		36,691.31	38,592	224,095.02	231,552	7,456.98-	3.2-	463,100
E460	IMRF		31,772.19	26,000	150,975.01	159,033	8,057.99-	5.1-	315,300
E461	SOCIAL SECURITY		16,050.54	16,850	107,073.69	106,450	623.69	.6	209,650
=====									
SECT E	TOTALS		93,584.04	90,742	625,785.35	657,035	31,249.65-	4.8-	1,206,250
=====									
DEPT 17	TOTALS		93,584.04	90,742	625,785.35	657,035	31,249.65-	4.8-	1,206,250
=====									
FUND	EXPENSE TOTAL		571,037.01	908,481	3,923,649.86	4,474,725	551,075.14-	12.3-	8,796,200
=====									
FUND 01	TOTALS		88,284.97-	215,852	920,127.07-	479,389-	440,738.07-	91.9	98,500
=====									

## TREASURER'S REPORT

DATE 11/17/17

MONTH ENDED 10/31/17

PAGE 7

FUND 02 IMPROVEMENT FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		1,200.43-	629-	6,649.19-	3,774-	7,550-
3010	TRUNK SEWER SERVICE CHARGES		74,820.50-	7,500-	89,748.54-	45,000-	90,000-
3030	ANNUAL REPAYMENTS		.00	0	.00	0	167,400-
=====							
DEPT 05	TOTALS		76,020.93-	8,129-	96,397.73-	48,774-	264,950-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	46,600	.00	46,600	93,200
0515	PAYMENT ON LOAN PRINCIPAL		46,595.52	0	46,595.52	0	0
=====							
DEPT 30	TOTALS		46,595.52	46,600	46,595.52	46,600	93,200
=====							
DEPT 36	CAPITAL EXP - LIBERTY PARK LIFT STATION UPGRADE						
0500	PROJECT BUDGET		.00	0	.00	0	900,000
0502	DESIGN ENGINEERING/ARCHITECTURAL		.00	0	34,612.21	0	0
0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVI		1,960.71	0	2,264.12	0	0
=====							
DEPT 36	TOTALS		1,960.71	0	36,876.33	0	900,000
=====							
DEPT 74	CAPITAL EXP - SEWER - UNSEWERED AREAS						
0500	PROJECT BUDGET		.00	0	.00	0	7,500
0501	REPORT ENGINEERING/ARCHITECTURAL		.00	0	345.00	0	0
=====							
DEPT 74	TOTALS		.00	0	345.00	0	7,500
=====							
FUND	EXPENSE TOTAL		48,556.23	46,600	83,816.85	46,600	1,000,700
=====							
FUND 02	TOTALS		27,464.70-	38,471	12,580.88-	2,174-	735,750
=====							

## TREASURER'S REPORT

DATE 11/17/17

MONTH ENDED 10/31/17

PAGE 8

FUND 03 CONSTRUCTION FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		.00	138-	.00	828-	1,650-
3009	SEWER PERMIT FEES		3,003.00-	20,833-	52,184.00-	124,998-	250,000-
3030	ANNUAL REPAYMENTS		.00	0	.00	0	262,850-
3093	GRANT FUNDING		.00	0	197,876.25-	25,000-	25,000-
=====							
DEPT 05	TOTALS		3,003.00-	20,971-	250,060.25-	150,826-	539,500-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	14,450	.00	14,450	28,900
0515	PAYMENT ON LOAN PRINCIPAL		14,403.64	0	14,403.64	0	0
=====							
DEPT 30	TOTALS		14,403.64	14,450	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						
0500	PROJECT BUDGET		.00	0	.00	0	400,000
0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVI		787.50	0	24,330.57	0	0
0506	CONSTRUCTION CONTRACTS AND PURCHASES		.00	0	237,042.50	0	0
=====							
DEPT 35	TOTALS		787.50	0	261,373.07	0	400,000
=====							
DEPT 37	CAPITAL EXP - WWTC - GREASE RECEIVING STATN NO2						
0500	PROJECT BUDGET		.00	0	.00	0	250,000
0502	DESIGN ENGINEERING/ARCHITECTURAL		.00	0	39,551.99	0	0
0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVI		12,845.61	0	18,231.03	0	0
0506	CONSTRUCTION CONTRACTS AND PURCHASES		136,684.00	0	218,018.00	0	0
=====							
DEPT 37	TOTALS		149,529.61	0	275,801.02	0	250,000
=====							

TREASURER'S REPORT

DATE 11/17/17 MONTH ENDED 10/31/17 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 38	CAPITAL EXP - WWTC - PROPERTY ACQUISITION						
=====							
DEPT 38 TOTALS			.00	0	.00	0	0
=====							
DEPT 39	CAPITAL EXP - WWTC - GRIT BLOWER REPLACEMENT						
0500 PROJECT BUDGET			.00	0	.00	0	60,000
=====							
DEPT 39 TOTALS			.00	0	.00	0	60,000
=====							
DEPT 40	CAPITAL EXP - WWTC - LOAN REPAYMENT						
=====							
DEPT 40 TOTALS			.00	0	.00	0	0
=====							
FUND EXPENSE TOTAL			164,720.75	14,450	551,577.73	14,450	738,900
=====							
FUND 03 TOTALS			161,717.75	6,521-	301,517.48	136,376-	199,400
=====							

## TREASURER'S REPORT

DATE 11/17/17 MONTH ENDED 10/31/17 PAGE 10  
 FUND 05 PUBLIC BENEFIT FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		28.97-	17-	176.73-	102-	200-
=====							
DEPT 05	TOTALS		28.97-	17-	176.73-	102-	200-
=====							
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		28.97-	17-	176.73-	102-	200-
=====							

TREASURER'S REPORT

DATE 11/17/17 MONTH ENDED 10/31/17 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						
3008	INTEREST ON ASSESSMENTS		.00	0	4.88-	0	0
=====							
DEPT 05	TOTALS		.00	0	4.88-	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	4.88-	0	0
=====							

TREASURER'S REPORT

DATE 11/17/17 MONTH ENDED 10/31/17 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						
3008	INTEREST ON ASSESSMENTS		.00	0	189.67-	0	0
=====							
DEPT 05	TOTALS		.00	0	189.67-	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	189.67-	0	0
=====							

TREASURER'S REPORT

DATE 11/17/17 MONTH ENDED 10/31/17 PAGE 13  
 FUND 56 SPECIAL ASSESSMENT NO. 56

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		249.40-	0	442.38-	0	0
=====							
DEPT 05	TOTALS		249.40-	0	442.38-	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		249.40-	0	442.38-	0	0
=====							

TREASURER'S REPORT

DATE 11/17/17 MONTH ENDED 10/31/17 PAGE 14  
 FUND 57 SPECIAL ASSESSMENT NO. 57

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 57 TOTALS			.00	0	.00	0	0

TREASURER'S REPORT

DATE 11/17/17 MONTH ENDED 10/31/17 PAGE 15  
 FUND 58 SPECIAL ASSESSMENT NO. 58

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 58 TOTALS			.00	0	.00	0	0

TREASURER'S REPORT

DATE 11/17/17

MONTH ENDED 10/31/17

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		5.75-	0	35.07-	0	0
=====							
DEPT 05	TOTALS		5.75-	0	35.07-	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		5.75-	0	35.07-	0	0
=====							

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

**October 27, 2017**

### **Open House Luncheon**

We will be having an employee luncheon in the next few weeks to thank all employees for their assistance with the Open House.

### **Annual Treasurer's Report**

In October, the District prepared the District's Annual Statement of Receipts and Disbursements for the fiscal year ended April 30, 2017 and will be filing it with the DuPage County Clerk. Per State statute, the report includes payments of salaries and wages to each employee, which we report by ranges of earnings, rather than the actual dollar amount paid to each employee. Please see Clay if you would like to view this report.

### **Voluntary Life Insurance**

A reminder that October 1 through November 30 is the open enrollment period for the Voluntary Group Life Plan from the National Conference on Public Employees Retirement Systems (NCPERS). If you are interested in participating, return the enrollment form to Clay no later than November 30, 2017. If you have any questions, please contact Clay, or you may contact HealthSmart Benefit Solutions, Inc. at 1-800-525-8056. If you are already enrolled in the plan, you do not need to re-enroll. If you choose not to enroll at this time, the next open enrollment period will be October 1 through November 30, 2018.

### **New Deferred Compensation Plan Provider for Retirement Savings**

The informational meetings with representatives from IPPFA to inform employees about the plan as a supplemental benefit offered to all full-time employees have been **rescheduled** to Thursday, November 16 and Friday, November 17 from 2:00 p.m. – 3:00 p.m. These meetings will be held in the MSB Lunchroom.

### **TopHealth**

The November edition of TopHealth is enclosed.

### **Holiday Activity**

We will be having our holiday brunch again at Allgauer's Restaurant at the Hilton hotel in Lisle on Sunday, December 10 from 11:30 a.m. – 2:30 p.m. Employees will be receiving sign-up materials for this event in the next few 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 explore further options for overflow control. Regular flow monitoring continues.

### **Status of Projects**

#### 1) Digester Gas Co-Generation Facility

The CHP equipment continues to run, with minor control adjustments being made by the supplier. JJ Henderson still has punchlist work to wrap up the project.

#### 2) 2017 Sewer Rehabilitation

The project includes lining the Walnut Avenue sewer from Maple to the plant, and manhole interior coatings. The pre-construction meeting with Benchmark Construction was held on August 16. Benchmark is scheduling field work to start in November.

#### 3) Grease Receiving Station

The project consists of a new 30,000 gallon grease receiving station located under the Digester 4&5 control building driveway. Boller Construction has poured the floor, wall and cover slabs of the tank, and is currently working on the adjacent driveway.

#### 4) Liberty Park Lift Station Upgrades

The project includes improvements to this lift station to make it into a triplex submersible lift station with a new valve vault, similar to the recent Venard Lift Station Upgrade. We conducted the pre-construction meeting with Bolder Construction on September 14. Bolder has started submitting shop drawings for the project.

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

**November 10, 2017**

### **Personnel**

Roelf Styve has announced his retirement from the District effective May 31, 2018. As a result, we are currently advertising for an Electrical Technician position. Please direct all interested persons for this position to submit an application to Clay. Additional information is available on the District's website, [www.dgsd.org](http://www.dgsd.org), and on [www.monster.com](http://www.monster.com).

We are also currently advertising for a new Inspector position. Please direct all interested persons for this position to submit an application to Clay. Additional information is available on the District's website, [www.dgsd.org](http://www.dgsd.org), and on [www.monster.com](http://www.monster.com).

### **Open House Luncheon**

We will be having an employee luncheon at 3 Corners Grill & Tap in Downers Grove on Wednesday, November 29 at 11:30 a.m.

### **Voluntary Life Insurance**

A reminder that October 1 through November 30 is the open enrollment period for the Voluntary Group Life Plan from the National Conference on Public Employees Retirement Systems (NCPERS). If you are interested in participating, return the enrollment form to Clay no later than November 30, 2017. If you have any questions, please contact Clay, or you may contact HealthSmart Benefit Solutions, Inc. at 1-800-525-8056. If you are already enrolled in the plan, you do not need to re-enroll. If you choose not to enroll at this time, the next open enrollment period will be October 1 through November 30, 2018.

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## **Status of Projects**

### **1) Digester Gas Co-Generation Facility**

The CHP equipment continues to run, with minor control adjustments being made by the supplier. JJ Henderson still has wrapped up most punch-list item, with one remaining item requiring attention.

### **2) 2017 Sewer Rehabilitation**

The project includes lining the Walnut Avenue sewer from Maple to the plant, and manhole interior coatings. The pre-construction meeting with Benchmark Construction was held on August 16. Benchmark has started field work, setting up temporary pumping and piping in preparation for the first liner shot near Walnut and Maple.

### **3) Grease Receiving Station**

The project consists of a new 30,000 gallon grease receiving station located under the Digester 4&5 control building driveway. Boller Construction has poured the floor, wall and cover slabs of the tank and the adjacent driveway. Mechanical equipment is on order and will be installed as it arrives over the next month.

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

The project includes improvements to this lift station to make it into a triplex submersible lift station with a new valve vault, similar to the recent Venard Lift Station Upgrade. We conducted the pre-construction meeting with Bolder Construction on September 14. Bolder has started submitting shop drawings for the project.

**Board of Trustees**  
Wallace D. Van Buren  
*President*  
Amy S. Kovacevic  
*Vice President*  
Paul W. Coultrap  
*Clerk*

# Downers Grove Sanitary District

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

**General Manager**  
Nicholas J. Menninga

**Legal Counsel**  
Michael G. Philipp

*Providing a Better Environment for South Central DuPage County*

## Memo

TO: Board of Trustees

FROM: Nick Menninga, General Manager

SUBJECT: Operations during Storm event of October 14-15, 2017

DATE: November 1, 2017

As discussed at the October meeting, the District experienced a very large storm event on October 14-15, 2017. The event included 6.88 inches of rain recorded at the WWTC over the two days, and resulted in widespread surface flooding in the area. Peak flows at the plant exceeded 100 MGD.

## RAINFALL

The rainfall began around 2:00 am on the 14<sup>th</sup>, and continued at varying intensities until about 7:00 am on the 15<sup>th</sup>. There was considerable variability of rainfall totals at different locations in the service area, with rain gauges at the WWTC, Village Hall, and Hobson recording similar high totals, but with the gauges at Wroble, Northwest, and Earlston recording significantly less total rain. Rain totals from other known gauges (O'Hare, Midway airports) exhibited similar variability.

The following table compares totals, 24-hour peak intensity, and expected recurrence interval of the peak 24-hour rainfall recorded at the 6 stations.

	WWTC	Village Hall	Hobson	Wroble	Northwest	Earlston
Total	6.88 in	6.49 in	7.48 in	3.16 in	2.70 in	4.29 in
Peak 24-hr	6.59 in	6.22 in	7.09 in	3.13 in	2.66 in	4.27 in
Recurrence interval*	50-100 yrs	25-50 yrs	50-100 yrs	2-5 yrs	1-2 yrs	5-10 yrs

\*From Illinois State Water Survey Bulletin 71, 1992

Antecedent conditions are best characterized as very dry, although there was a smaller rainfall (with somewhat elevated flows for 2 days) that occurred on October 10-11. The October 14-15 event was the first excess flow discharge since early May, 2017, which represents an unusually long dry period.

## WWTC FLOWS AND PERFORMANCE

The wastewater treatment center experienced very heavy flows during this event. Flow metering at the plant effluent metering chamber was not operational for periods of time during the event, due to back-

water from the creek and outfall pipes flooding the flumes and weirs used to measure flows at this location. Flow estimates during these periods are based on extrapolation of valid meter data, pump run-times, and influent metering.

During the dry period leading up to the event, daily total flows at the plant were recorded around 6 million gallons, with peak flow rates reaching about 10 MGD each day. Daily flow on the 14<sup>th</sup> was recorded as 58 million gallons, and on the 15<sup>th</sup>, 66 million gallons. The peak flow rate recorded at the plant during the event was greater than 105 MGD.

Flows into the main treatment plant (outfall B-01) began to rise around 4:00 am, with the plant reaching the normal maximum capacity set-point of 24 MGD by 6:00 am. The main treatment plant ran at near this flow rate throughout the event, until flows began to subside around 9:00 pm on the 16<sup>th</sup>.

The excess flow tanks (outfall A-01) began to fill around 5:00 am on the 14<sup>th</sup>, and began discharging treated effluent by 9:00 am (by which time over 2.5 inches of rain had fallen). Excess flow discharges continued until 4:00 pm on the 16<sup>th</sup>.

The influent pump station wet well began to rise around 9:00 am on the 14<sup>th</sup>, and remained elevated until about 3:00 pm on the 15<sup>th</sup>. The elevation was maintained through most of this period in the 12 to 14 feet of depth range, below the crown of the influent sewer pipes. There was a brief time near the beginning and again near the end of the peak flow period when the sump elevation was above 15 feet, the earlier of which coincided with observed overflowing in the main trunk line upstream of the plant at Curtiss and Glenview. This overflow continued from 10:00 am on the 14<sup>th</sup> until 9:00 am on the 15<sup>th</sup>.

By 9:30 am on the 14<sup>th</sup>, intermediate clarifier #1 (outfall C-01) was put in service for excess flow treatment, and ran until about 9:00 am on the 15<sup>th</sup>. By noon on the 14<sup>th</sup>, intermediate clarifiers #2 and 3 (outfall 003) were put in service for excess flow treatment, and ran until about noon on the 15<sup>th</sup>.

Effluent testing results for the various treatment discharges met the limits of the NPDES permit, with the exception of the total suspended solids (TSS) concentrations and loads from the main treatment plant, outfall B-01. The daily effluent limit of 24 mg/l and matching load limit of 4,404 lbs/day were exceeded on the 14<sup>th</sup> and 15<sup>th</sup>. We attribute this exceedance to the very large 'flush' of the event. With the long dry period preceding the event, solids that had accumulated in the system since May were flushed into the plant, resulting in a raw sewage load of TSS about 3 times the treatment capacity. Outfall B-01 is an internal sample point. Outfalls 001, 002 and 003, which represent the discharges to the river, met their concentration limits for TSS.

#### COLLECTION SYSTEM PERFORMANCE

Technicians were first called out to monitor system operations around 9:00 am on the 14<sup>th</sup>.

The first manhole overflows were observed around 10:00 am on the 14<sup>th</sup>, by which time over 2.5 inches of rain had fallen at the WWTC. Two of these first four manholes are chronic overflow points, located at 55<sup>th</sup> and Victor, and 1369 Turvey. The two manholes at Curtiss and Glenview are the first relief point upstream of the plant, with a history of overflows during large storm events. The next overflow was observed at 302 Naperville Road at 5:30 pm on the 14<sup>th</sup>, by which time 4.5 inches of rain had been recorded at the WWTC. Another four manholes (at Fairview near Chicago (two of the four), 5600 Fairmount, and Palmer near Dunham) were observed to be overflowing at 9:00 pm, by which time 5.5

inches of rain had been recorded at the WWTC. These five manholes have a history of overflowing in very large storms.

Our practice is to replace solid manhole covers with grated covers during the event to avoid safety problems associated with solid covers that would be lifted off the ground atop the overflowing water column.

Manhole overflows began to subside around 6:00 am on the 15<sup>th</sup>. By 2:00 pm on the 15<sup>th</sup> manhole overflows had fully subsided. Technicians also visited additional manhole locations after the event, and observed evidence of overflows at several additional locations.

Overall, 15 manholes are thought to have overflowed during the event. The map included here shows where the overflows occurred. Overflows appear to be concentrated in areas where heavy rainfall was recorded.

Backup calls began the morning of the 14<sup>th</sup>, and continued to be received until the 16<sup>th</sup>. Technicians visited each location to verify that storm-related surcharging was causing the issue and that there was no practical action such as jetting to relieve the condition. We have since followed up with each location providing literature and guidance on our overhead sewer program. Overall, 43 addresses were identified, as shown on the map included here. As with manhole overflows, backups appear to be concentrated in areas where the heaviest rainfall was recorded.

#### REMOTE LIFT STATIONS

There were two lift station issues that occurred during the event. Around 8:00 am on the 15<sup>th</sup>, the Hobson Lift Station had a vibration alarm that proved to be a rag problem clogging pump #3. The sump level ran high from 8:00 am until about 11:00 am while this issue was being addressed by a mechanic. Overflows in the upstream vicinity (manholes near 63<sup>rd</sup> and Hobson and near Palmer and Dunham) may have been impacted by this problem.

The second issue was the forcemain break at 63<sup>rd</sup> and Fairview on the Wroble lift station forcemain. On the evening of the 15<sup>th</sup> we were notified by the Village of evidence of sanitary flow seeping from under the pavement. We prepared to conduct the repair on the 16<sup>th</sup>, identifying the location of the leak and preparing for diversion of flow at the lift station in order to drain the forcemain for the repair. We were able to repair the pipe on the 17<sup>th</sup> and restore normal operation at the lift station. The break appeared to be the result of external corrosion on the cast iron forcemain that finally failed during the higher pressure associated with heavy pumping during the storm.

Downers Grove Sanitary District  
October 14th, 2017 Storm  
Manhole Overflows



Downers Grove Sanitary District  
October 14th, 2017 Storm  
Affected Residents



**Board of Trustees**  
Wallace D. Van Buren  
President  
Amy S. Kovacevic  
Vice President  
Paul W. Coultrap  
Clerk

# Downers Grove Sanitary District

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

**General Manager**  
Nicholas J. Menninga

**Legal Counsel**  
Michael G. Philipp

*Providing a Better Environment for South Central DuPage County*

October 16, 2017

Ms. Sarah E. Wiedel  
Environmental Protection Specialist  
Field Operations Section  
Division of Water Pollution Control  
Illinois Environmental Protection Agency  
9511 West Harrison  
Des Plaines, IL 60016

Dear Ms. Wiedel:

The purpose of this letter is to notify the Agency of the following manhole overflows following the heavy rain of October 14-15, 2017:

<u>Manhole No.</u>	<u>Manhole Location</u>	<u>Overflow Date</u>
1M-049	114 55 <sup>th</sup> St, Downers Grove	October 14-15, 2017
2D-001	1369 Turvey, Downers Grove	October 14-15, 2017
2A-011	Curtiss and Glenview, Downers Grove	October 14-15, 2017
2A-011-A	Curtiss and Glenview, Downers Grove	October 14-15, 2017
1K-049	302 Naperville, Westmont	October 14-15, 2017
H4-088	1450 Palmer, Downers Grove	October 14-15, 2017
1H-005	4715 Fairview, Downers Grove	October 14-15, 2017
1H-004	4728 Fairview, Downers Grove	October 14-15, 2017
G1-012	5600 Fairmount, Downers Grove	October 14-15, 2017
L1-109	4018 Adams, Westmont	Evidence after event
1H-012	Otis and Florence, Downers Grove	Evidence after event
1M-034	337 6 <sup>th</sup> Street, Downers Grove	Evidence after event

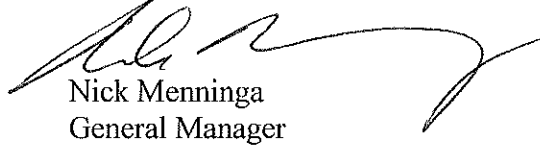
These overflows occurred as the result of sustained heavy rainfall. We measured 6.9 inches of rainfall in the vicinity. We also received basement back-up calls from 31 properties. Our technicians are currently cleaning up any debris in the vicinity of the overflows, and have visited all backup locations where we are following up with our overhead sewer program.

We also experienced a forcemain break at 63<sup>rd</sup> and Fairview in Downers Grove, discovered late yesterday. We have the area marked with barricades and notification signs, and expect to have the repair completed tomorrow.

We continue with ongoing sewer replacement and rehabilitation efforts to reduce I/I and improve collection system performance, as described in our CMOM.

If you have any questions, please call (630-353-3605).

Sincerely,  
DOWNERS GROVE SANITARY DISTRICT



Nick Menninga  
General Manager

C: BOT

**From:** Amanda L. Sheposh  
**To:** [Nick Menninga](#); [Jeffrey D. Mohler](#); [Raymond N. Koenig](#)  
**Cc:** [Derek J. Wold](#)  
**Subject:** Fwd: Congratulations! ACEC-IL Engineering Excellence Award Winner - Baxter & Woodman, Inc.  
**Date:** Monday, November 13, 2017 10:41:21 PM

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Team,

Congratulations! The Phase 2 CHP Improvements were selected for an honor award by ACEC- Illinois.

There is a gala in February at which the project will receive the award. Nick, do you or any of your trustees want to attend?

Jeff and Ray, please let me know if you are attending. Ray, please pass this along to JJH, as well.

Congratulations! Nick, thank you again for supporting our application.

Mandy

From: Brooke Wallace <[brooke@acecil.org](mailto:brooke@acecil.org)<<mailto:brooke@acecil.org>>>  
Date: November 9, 2017 at 4:10:21 PM CST  
To: "asheposh@baxterwoodman.com<<mailto:asheposh@baxterwoodman.com>>"  
<[asheposh@baxterwoodman.com](mailto:asheposh@baxterwoodman.com)<<mailto:asheposh@baxterwoodman.com>>>  
Subject: Congratulations! ACEC-IL Engineering Excellence Award Winner - Baxter & Woodman, Inc.  
To: Amanda Sheposh  
Re: Baxter & Woodman, Inc.  
Project Name: WWTC Phase 2 Combined Heat & Power Improvements  
Award Number H-02 This will be referenced throughout communication and the evening of the event. Please make sure all attendees are aware of your award number.

Please forward this email to the appropriate people in your firm. A hard copy will not be mailed.

Congratulations! I am pleased to inform you that the ACEC-Illinois 2018 Engineering Excellence Awards judges selected your project, WWTC Phase 2 Combined Heat & Power Improvements to receive an Honor Award.

AWARDS GALA (NEW): This year's event will be unrecognizable from past years. We are very excited about all of the changes! Due to the major differences, communication from ACEC Staff will increase this awards season. Please be on the lookout for our updates.

ACEC-Illinois will recognize your project and the project owner at the 2018 Annual Engineering Excellence Awards Gala on Thursday, February 8, 2018, 5:00 pm – 11:30 pm at the Bridgeport Art Center, Chicago, IL. Representatives from your firm should plan to attend this event, along with clients, project owners, local legislators and others who should share in this special recognition.  
Due to transforming this event to an evening Gala, we encourage you to bring your spouse or significant other to help celebrate your achievement. Attire: Black Tie Optional

EVENT REGISTRATION (NEW): We are opening registration for project winners ONLY November 15th - December 8th. You will have the option to purchase a half table (5) or whole table (10) during this timeframe. No individual seats will be available during this registration period. IF your project is an IDOT, Tollway or a City of Chicago project, you will receive a separate email from Bethany Rademaker regarding your guests.

PHOTOS (NEW): Award Winners and their clients will have two different time slots for pictures. 5:00pm – 6:00pm and 6:45pm – 7:45pm. Mock plaques will be utilized for photos. The photos will be available for download from our secure website. A link will be emailed to the winners after the event.

PLAQUES (NEW): ACEC-Illinois will present you with two plaques, one for your firm and one for the project owner. Additional plaques may be ordered. The attached Plaque Proof is due December 11, 2017 and should be emailed to [brooke@acecil.org](mailto:brooke@acecil.org)<<mailto:brooke@acecil.org>>. Plaques for Sub Consultants may also be ordered. The order MUST BE received from entrant; ACEC will NOT accept forms directly from Sub Consultants. Attached is a plaque order form for Sub Consultants, due December 11, 2017. Plaques will be ready for pick up AFTER the awards ceremony concludes.

PANELS (NEW): There will be no physical panels displayed this year. We are moving to ELECTRONIC DISPLAYS which will be placed throughout the venue. The attached PowerPoint template is due January 8, 2018 and should be emailed to [brooke@acecil.org](mailto:brooke@acecil.org)<<mailto:brooke@acecil.org>>.

Webinar (NEW): Due to the above mentioned changes and more, ACEC-IL EEA Committee will be hosting a mandatory Award Recipient Responsibility Webinar on January 23, 2018 @ noon. Mark your calendars!!

Attachments: Plaque Proof -	Due DECEMBER 11, 2017
Sub Consultant plaque order form –	Due DECEMBER 11, 2017
PowerPoint Electronic Display Template –	Due JANUARY, 8 2018

The 2018 Award Winner documents are on the ACEC-IL website<<http://www.acecil.org/exawards.cfm>>:

We look forward to seeing you at the Awards Gala. Feel free to call me with any questions.

ACEC NATIONAL COMPETITION: Honor Award winners are eligible to enter the national competition. The entry deadline is January 5, 2018. Questions regarding ACEC's competition should be directed to Daisy Nappier at 202-347-7474; or [dnappier@acec.org](mailto:dnappier@acec.org)<<mailto:dnappier@acec.org>>. The ACEC Call for Entries can be found at <http://www.acec.org/awards-programs/engineering-excellence-awards>.