



LAKE IN THE HILLS

SANITARY DISTRICT

515 PLUM STREET • LAKE IN THE HILLS IL 60156 • P: 847-658-5122 • F: 847-658-4523

**AGENDA
REGULAR MEETING
OF THE BOARD OF TRUSTEES
December 21, 2023
7:00 p.m.**

REGULAR MEETING OF THE BOARD OF TRUSTEES

Roll Call

Pledge of Allegiance

Approval of Minutes

Public Comments

Consent Agenda

- A. Approval of Contractor's Application for Payment No. 3-FINAL to National Power Rodding in the amount of \$30,868.32 for the Lake in the Hills Sanitary District 2023 Sanitary Sewer Lining.**

Specific Agenda

Treasurer's Report

Approval of Bills

Grand total of all bills presented for approval is \$207,387.08 of which \$26,827.13 is from the Governmental Funds, \$180,559.95 is from the Operations and Maintenance Funds, \$0.00 is from the Construction Funds, and \$0.00 is from the Bond and Interest Funds.

Manager's Report

Operations Update

Engineer's Report

Attorney's Report

Unfinished Business

New Business

Adjournment

**Lake in the Hills Sanitary District
Board of Trustees Regular Meeting Minutes
November 16, 2023**

Roll Call:

The regular meeting was called to order by President Jessica Reed at 7:00pm at the Sanitary District offices located at 515 Plum Street. Roll call was answered by President Jessica Reed, Trustee Russ Ruzanski and Trustee Matt Irsay. Also in attendance at the Sanitary District offices were District Manager Tamara Mueller, Assistant District Manager Mike Nelson, District Engineer Bob Doeringsfeld of Applied Technologies, District Attorney Ann Williams of Storino, Ramello & Durkin and District Treasurer/Clerk Karen Thompson.

Pledge of Allegiance

Approval of Minutes:

Motion was made by Trustee Ruzanski, seconded by Trustee Irsay, to approve the minutes of the Regular Board Meeting of October 19, 2023 as presented. On a roll call vote, President Reed and Trustees Ruzanski and Irsay voted aye.

Public Comments:

None.

Consent Agenda:

- A. Approval of employee recognition per the District Manager's recommendation.

Motion was made by Trustee Ruzanski and seconded by Trustee Irsay to approve the Consent Agenda as presented (Item A). On a roll call vote, President Reed and Trustees Ruzanski and Irsay voted aye to approve the Consent Agenda as presented and approve the employee recognition per the District Manager's recommendation.

Treasurer's Report:

District Treasurer presented final written copies of the October 2023 Treasurer's reports. She highlighted some the revenues and expenses on each of the reports. She also reminded the Board that per IMRF's request, we paid them for both September and October in October. This was requested due to their website upgrades.

Motion was made by Trustee Irsay and seconded by Trustee Ruzanski to approve the October 2023 Treasurer's reports as presented. On a roll call vote, President Reed and Trustees Ruzanski and Irsay voted aye.

Approval of Bills:

District Treasurer presented a list of bills for approval. She highlighted some of the bills that were atypical or higher than usual.

Motion was made by Trustee Irsay and seconded by Trustee Ruzanski to approve the List of Bills as presented. The total approved for payment is \$255,812.92 of which \$101,039.41 is from the Governmental Funds, \$153,923.51 is from the Operations and Maintenance Funds, \$0.00 is from the Construction Funds, and \$850.00 is from the Bond and Interest Funds.

The motion passed after a roll call vote; President Reed, Trustee Ruzanski and Trustee Irsay voted aye to approve the list of bills as presented.

**Lake in the Hills Sanitary District
Board of Trustees Regular Meeting Minutes
November 16, 2023**

Manager's Report:

District Manager presented a written copy of the October 2023 Manager's report and verbally provided some additional detail.

She highlighted the following items:

- There were no emergency calls in October.
- We did have a fecal violation in October. Our limit is 400 and we were at 488. We have been running our UV very lean and that system does not modulate based on higher volume. We did not have high flows or other factors that would've contributed, so we are not 100% certain as to why this happened. Our UV system is almost 30 years old and we are considering looking at a new upgraded system which would be more efficient. We continue to closely monitor the fecal numbers.
- The fence has been fixed.
- The seawall application was submitted to the Army Corp yesterday with all of the property owner signatures and the homeowner form was submitted today. Shoreline Armor is still hoping to start the project this year.
- There were no uncollectible write offs from 5/1/23 to 10/31/23.
- We received an appreciation plaque from Fox River Study Group.
- We have two addresses that are very similar where one has a "W" in it and the other does not. Years ago a closing letter from a realtor mixed up the addresses with the new owner's name. This caused one address to be double paid and the other address to be unpaid over the 10 year period. District Attorney will review and provide guidance.

Motion was made by Trustee Irsay, seconded by Trustee Ruzanski, to approve the October 2023 Manager's report as presented. On a roll call vote, President Reed and Trustees Ruzanski and Irsay voted aye.

Engineer's Report:

District Engineer Bob Doeringsfeld of Applied Technologies provided a written report and a verbal summary of some of the items that they are currently working on.

These items are as follows:

1. McHenry County Division of Transportation (MCDOT) Randall Road Project – No updates. All meetings have been canceled by MCDOT until the project bids in January of 2024.
2. District Sanitary Sewer Lining – The contractor was back onsite to finish up the corrections to the lateral grouting. Their lien waivers, from the payment application that was approved last month, were finally received and the check was released. We do not have a final pay application from them yet. The original bid was \$328,000.00 and the final cost will come in around \$308,000.00
3. ComEd Energy Efficiency Program Grant – District Engineer applied to become a service provider so that he can contract directly with ComEd. The grant will provide studies related to the District's biosolids handling systems and the UV disinfection system. The program will fund \$0.04 kW-hr for studies and provide \$0.18kW-hr to the District for realized energy savings.

Attorney's Report:

District Attorney reiterated that she will research the issue that District Manager mentioned in her report with the similar addresses. She will provide legal guidance regarding back billing the customer who has not paid their bill since 2013.

**Lake in the Hills Sanitary District
Board of Trustees Regular Meeting Minutes
November 16, 2023**

Unfinished Business:

None.

New Business:

None.

Adjournment:

There being no further business to bring before the Board, Trustee Ruzanski made a motion to adjourn the meeting. Trustee Irsay seconded. The motion passed after a verbal vote. All Board members who were present voted aye.

The meeting was adjourned at 7:28pm.

Respectfully submitted,

KT

Karen Thompson,
District Clerk

APPROVED this _____ day of _____, 2023.

President Reed

Contractor's Application for Payment No. 3 FINAL

Application Period: Nov-23	Application Date: 12/21/2023
To: Tamara Mueller (Owner):	From (Contractor): National Power Rodding Corp.
Project: 2023 Sanitary Sewer Lining	Via (Engineer): Applied Technologies, Inc.
Owner's Contract No.:	Contractor's Project No.: 6571
	Engineer's Project No.: 6571

**Application For Payment
Change Order Summary**

Approved Change Orders			1. ORIGINAL CONTRACT PRICE.....	\$	\$328,000.00
Number	Additions	Deductions	2. Net change by Change Orders.....	\$	\$-19,316.75
		-\$19,316.75	3. Current Contract Price (Line 1 ± 2).....	\$	\$308,683.25
			4. TOTAL COMPLETED AND STORED TO DATE		
			(Column F total on Progress Estimates).....		
			5. RETAINAGE:		
			a. X \$308,683.25 Work Completed.....	\$	
			b. X Stored Material.....	\$	
			c. Total Retainage (Line 5.a + Line 5.b).....	\$	
			6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5.c).....	\$	\$308,683.25
			7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application).....	\$	\$277,814.93
			8. AMOUNT DUE THIS APPLICATION.....	\$	\$30,868.32
			9. BALANCE TO FINISH, PLUS RETAINAGE		
			(Column G total on Progress Estimates + Line 5.c above).....		
				\$	
TOTALS					
NET CHANGE BY CHANGE ORDERS		-\$19,316.75			

Contractor's Certification

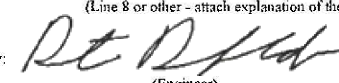
The undersigned Contractor certifies, to the best of its knowledge, the following:
(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances); and
(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor Signature

By:  Date: 12/5/23

William T. Kreidler, President

Payment of: \$ \$30,868.32
(Line 8 or other - attach explanation of the other amount)

is recommended by:  12/4/2023
(Engineer) (Date)

Payment of: \$ \$30,868.32
(Line 8 or other - attach explanation of the other amount)

is approved by: _____
(Owner) (Date)

Approved by: _____
Funding or Financing Entity (if applicable) (Date)

Progress Estimate - Unit Price Work

Contractor's Application

[illegible]

FINAL WAIVER OF LIENSTATE OF Illinois }
COUNTY OF COOK }

SS


Gyt # _____
Escrow # _____

TO WHOM IT MAY CONCERN:

WHEREAS the undersigned has been employed by Lake in the Hills Sanitary District
to furnish sewer lining
for the premises known as 2023 Lake in the Hills Sanitary District Sewer Rehabilitation
of which Lake in the Hills Sanitary District is the owner.
THE undersigned, for and in consideration of Thirty Thousand Eight Hundred Sixty Eight and 32/100
\$ 30,868.32 Dollars, and other good and valuable considerations, the receipt whereof is hereby acknowledged, do(es)
hereby waive and release any and all lien or claim of, or right to, lien, under the statutes of the State of Illinois, relating to mechanics' liens,
with respect to and on said above-described premises, and the improvements thereon, and on the material, fixtures, apparatus or machinery
furnished, and on the moneys, funds or other considerations due or to become due from the owner, on account of all labor, services, material,
fixtures, apparatus, or machinery, heretofore furnished, or which may be furnished at any time hereafter, by the undersigned for the
above-described premises, INCLUDING EXTRAS.*

DATE December 5, 2023COMPANY NAME
ADDRESSNational Power Rodding Corp.
2500 W. Arthington St. Chicago, IL 60612

SIGNATURE AND TITLE


William T. Kreidler, President

*EXTRAS INCLUDED BUT ARE NOT LIMITED TO CHANGE ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT

CONTRACTOR'S AFFIDAVITSTATE OF Illinois }
COUNTY OF COOK }SS
SS

TO WHOM IT MAY CONCERN:

The undersigned, William T. Kreidler being duly sworn, deposes and
says that he or she is President of
National Power Rodding Corp. who is the
contractor furnishing sewer lining work on
building located at 2023 Lake in the Hills Sanitary District Sewer Rehabilitation
owned by Lake in the Hills Sanitary District

That the total amount of the contract including extras is 308,683.25 on which he has received payment of
277,814.93 prior to this payment. That all waivers are true, correct and genuine and delivered unconditionally and that
there is no claim either legal or equitable to defeat the validity of said waivers. That the following are the names of all parties who have furnished
material or labor, or both, for said work and all parties having contracts or sub contracts for specific portions of said work or for material
entering into the construction thereof and the amount due or to become due to each, and that the items mentioned include all labor and
material required to complete said work according to plans and specifications:

NAMES	WHAT FOR	CONTRACT PRICE	AMOUNT PAID	THIS PAYMENT	BALANCE DUE
National Power Rodding Corp.	sewer lining	\$ 308,683.25	\$ 277,814.93	\$ 30,868.32	\$ -
TOTAL LABOR AND MATERIAL INCLUDING EXTRAS* TO COMPLETE		\$ 308,683.25	\$ 277,814.93	\$ 30,868.32	\$ -

That there are no other contracts for said work outstanding, and that there is nothing due or to become due to any person for material, labor
or other work of any kind done or to be done upon or in connection with said work other than above stated.

DATE December 5, 2023

SIGNATURE


William T. Kreidler, President

SUBSCRIBED AND SWORN TO BEFORE ME THIS

5th

DAY OF

*EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE
ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT

NOTARY



LAKE IN THE HILLS SANITARY DISTRICT
MONTHLY TREASURER REPORT - O&M/SEWERAGE FUNDS
 Month of November, 2023

		BANK BALS AT BEGINNING OF PRIOR MONTH	BANK BALS AT BEGINNING OF THE CURRENT MONTH	BANK BALS AT THE BEGINNING OF THE FY
Beginning Cash and Investments				
First National Bank - O & M Account	O&M	700,801.55	1,169,133.63	998,491.34
First National Bank - Depreciation Account	Construction	2,939,440.00	2,946,398.39	2,878,369.45
First National Bank - Surplus Funds	Construction	29,256.06	28,780.27	15,634.43
First National Bank - Bond & Interest Fund	Bond & Int	1,201,028.67	1,159,264.44	1,042,580.25
First National Bank - Sinking Funds	Bond & Int	1,386,794.71	1,389,798.16	1,318,650.46
Algonquin Bank & Trust - Cash Mgr	O&M	1,298,675.21	1,477,445.72	1,722,498.80
Algonquin Bank & Trust - Operating	O&M	0.00	590.00	603.00
Credit Cards		(753.29)	(2,849.16)	(1,278.68)
TOTAL BEGINNING CASH AND INVESTMENTS		7,555,242.91	8,168,561.45	7,975,549.05
SEWERAGE FUNDS				

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Revenues and Receipts				
Sewer Bill Income/User Charges	796,356.96	85,103.47	1,940,579.49	3,600,000.00
Septage Income	70,528.92	37,857.42	302,060.46	350,000.00
Wastewater Discharge Income	8,104.28	7,862.27	51,232.57	65,000.00
Customer Refunds	(924.44)	(3,207.85)	(5,567.76)	-
Connection/Tap-On Fees	-	-	10,400.00	100,000.00
Annexation Fees (inc. GIS)	-	-	-	5,000.00
Downstream & Misc Charges	-	-	-	500.00
Liftstation Recapture	-	-	-	-
Gain/Loss - Sale of Equipment	-	-	-	-
Rebates, Refunds or Grants Received	-	-	1,910.67	-
Interest Income	20,654.77	20,732.52	141,990.52	75,000.00
TOTAL REVENUES AND RECEIPTS	894,720.49	148,347.83	2,442,605.95	4,195,500.00

Expenditures

PERSONNEL SERVICES

District Personnel Salaries	56,372.72	56,215.25	392,110.64	730,000.00
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ADMINISTRATIVE EXPENSES

Telephone	261.16	88.71	1,504.93	3,000.00
Postage	-	735.38	12,806.67	27,500.00
Printing and Publications	-	-	701.68	2,000.00
Office Supplies	695.98	631.52	2,634.48	7,500.00
Billing and Collection Expenses	4,720.19	10,472.34	66,281.40	75,000.00
Professional Services	2,193.44	230.61	3,576.86	5,000.00
Training, Travel and Education	103.50	-	1,135.50	7,000.00
Computer Hardware, Software, and Support	924.96	749.33	9,901.21	25,000.00
Community Affairs	368.38	-	553.38	2,000.00
Medical and Life Insurance	22,621.11	22,621.11	152,711.97	275,000.00
	31,888.72	35,529.00	251,808.08	429,000.00

OPERATIONS AND MAINTENANCE

Operating Supplies	5,936.31	4,257.04	27,369.30	60,000.00
Maintenance and Repair (Plant)	1,357.05	6,161.71	24,255.11	150,000.00
Maintenance and Repair (Collection Systems)	10,090.35	31.75	12,889.28	300,000.00

		PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Utilities and Energy		40,289.15	35,173.21	258,019.70	400,000.00
Grounds Upkeep		5,100.00	1,400.00	15,900.00	30,000.00
Gasoline/Oil		545.57	709.72	6,852.06	20,000.00
Computer and Support Services					2,000.00
Emergency Communications		953.64	1,598.17	9,512.41	15,000.00
Sludge Management		6,448.29	39,989.79	169,428.85	275,000.00
Professional Services		3,847.20	1,892.51	13,861.63	45,000.00
Residential Reimbursement		-	-	-	10,000.00
Compliance Requirements/Permits		-	-	12,500.00	30,000.00
GIS		-	-	-	10,000.00
		74,567.56	91,213.90	550,588.34	1,347,000.00
CAPITAL IMPROVEMENTS					
New Construction		51,451.16	-	782,501.09	1,500,000.00
Plant Equipment		5,669.62	-	144,821.89	500,000.00
Collection System		-	29,896.00	71,217.91	600,000.00
Vehicles		-	-	-	75,000.00
Legal Expense		-	-	-	5,000.00
Engineering Expense		7,374.00	836.00	75,252.00	200,000.00
Bond, Finance Consulting Expense		-	-	-	1,000.00
		64,494.78	30,732.00	1,073,792.89	2,881,000.00
BOND TRANSFERS					
Series 2014 Bond, Principal		-	-	-	125,000.00
Series 2014 Bond, Interest		47,493.75	-	47,493.75	95,000.00
Administration Fees - 2014 Series Bond		-	850.00	850.00	2,000.00
		47,493.75	850.00	48,343.75	222,000.00
CONTINGENT AND MISCELLANEOUS EXPENSES					
Not Otherwise Appropriated		5.64	-	5.64	3,000.00
		5.64	-	5.64	3,000.00
TOTAL EXPENDITURES		274,823.17	214,540.15	2,316,649.34	5,612,000.00
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES		619,897.32	(66,192.32)	125,956.61	(1,416,500.00)
		-			
		BANK BALS AT END OF THE PRIOR MONTH	BANK BALS AT END OF THE CURRENT MONTH	BANK BALS AT THE END OF MAY	
Ending Cash and Investments					
First National Bank - O & M Account	O&M	1,169,133.63	1,028,591.19	835,083.30	
First National Bank - Depreciation Account	Construction	2,946,398.39	2,961,332.09	2,892,445.12	
First National Bank - Surplus Funds	Construction	28,780.27	28,874.76	23,671.12	
First National Bank - Bond & Interest Fund	Bond & Int	1,159,264.44	1,227,564.43	1,109,549.25	
First National Bank - Sinking Fund	Bond & Int	1,389,798.16	1,392,711.03	1,334,882.74	
Algonquin Bank & Trust - Cash Mgr.	O&M	1,477,445.72	1,498,075.33	1,608,193.26	
Algonquin Bank & Trust - Operating	O&M	590.00	94.00	0.00	
Credit Cards	O&M	(2,849.16)	(3,143.84)	(1,570.16)	
TOTAL ENDING CASH AND INVESTMENTS		8,168,561.45	8,134,098.99	7,802,254.63	
SEWERAGE FUNDS					

LAKE IN THE HILLS SANITARY DISTRICT
MONTHLY TREASURER REPORT - GOVERNMENTAL FUNDS
 Month of November, 2023

	BANK BAL AT BEGINNING OF PRIOR MONTH	BANK BAL AT BEGINNING OF THE CURRENT MONTH	BANK BAL AT THE BEGINNING OF THE FY
Beginning Cash and Investments			
First National Bank	\$ 1,714,905.47	\$ 1,662,036.29	\$ 1,224,840.52
Credit Cards	-	(545.51)	(676.43)
TOTAL BEGINNING CASH AND INVESTMENTS	1,714,905.47	1,661,490.78	1,224,164.09

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Revenues and Receipts				
Real Estate Taxes				
General Fund	2,175.72	5,140.04	368,751.03	370,000.00
Audit Fund	70.60	166.80	11,966.47	12,000.00
Chlorination Fund	41.20	97.30	6,980.84	7,000.00
Liability Insurance Fund	441.02	1,041.87	74,745.54	75,000.00
Social Security Fund	382.22	902.98	64,782.48	65,000.00
Revenue Recapture Fund	5.22	12.35	885.31	-
Retirement Fund	911.46	2,153.24	154,477.40	155,000.00
Replacement Taxes	778.92	-	3,032.56	-
Rebates, Refunds or Grants Received	-	-	2,402.00	
Interest Income	3,682.05	3,449.44	22,080.91	1,000.00
TOTAL REVENUES AND RECEIPTS	8,488.41	12,964.02	710,104.54	685,000.00

Expenditures

GENERAL FUND

PERSONNEL SERVICES

Salaries of Trustees, Manager, Treasurer & Clerk	16,310.75	16,629.17	115,555.06	220,000.00
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CONTRACTUAL SERVICES

Professional Engineering	2,380.00	2,312.00	19,148.00	65,000.00
Legal Services	-	481.25	3,853.81	25,000.00
Other Professional Services	-	-	1,950.00	5,000.00
	2,380.00	2,793.25	24,951.81	95,000.00

ADMINISTRATIVE EXPENSES

Printing, Publications	297.40	63.74	1,214.58	4,500.00
Office Supplies, Equipment	191.97	131.90	455.77	2,500.00
Postage	-	-	-	1,000.00
Treasurer's Bond	-	3,000.00	3,000.00	4,000.00
Community Affairs	-	-	-	1,000.00
Memberships and Dues	-	60.00	60.00	4,000.00
	489.37	3,255.64	4,730.35	17,000.00

OPERATING EXPENSES

Building and Grounds Upkeep	-	976.00	3,565.50	15,000.00
Utilities	429.73	909.06	8,468.62	55,000.00
J.U.L.I.E.	-	-	-	3,000.00
Training and Education	-	-	481.00	3,000.00
Travel Expenses	-	30.00	30.00	2,000.00
Computer Hardware, Software & Support	793.54	-	793.54	7,000.00
	1,223.27	1,915.06	13,338.66	85,000.00

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
CONTINGENT AND MISCELLANEOUS EXPENSES				
Not Otherwise Appropriated	150.00	-	150.00	1,000.00
	150.00	-	150.00	1,000.00
TOTAL GENERAL FUND	20,553.39	24,593.12	158,725.88	418,000.00
CHLORINATION FUND	3,471.20	4,400.50	23,603.60	50,000.00
	3,471.20	4,400.50	23,603.60	50,000.00
AUDIT FUND	13,250.00	-	13,250.00	15,000.00
	13,250.00	-	13,250.00	15,000.00
PUBLIC LIABILITY INSURANCE FUND				
Workers' Compensation	-	-	8,940.00	25,000.00
Administrative Fee	-	-	268.00	1,000.00
Property	-	39,457.00	39,457.00	45,000.00
Vehicles	-	8,386.00	8,386.00	15,000.00
General Liability	-	16,597.00	16,597.00	74,000.00
	-	64,440.00	73,648.00	160,000.00
SOCIAL SECURITY FUND	5,560.28	5,572.59	38,836.44	75,000.00
IMRF FUND	19,068.23	9,324.69	60,080.81	155,000.00
OTHER EXPENDITURES (RECEIPTS)	-	-	-	-
TOTAL EXPENDITURES	61,903.10	108,330.90	368,144.73	873,000.00
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES	(53,414.69)	(95,366.88)	341,959.81	(188,000.00)
Ending Cash and Investments				
First National Bank	\$ 1,662,036.29	\$ 1,566,153.90	\$ 1,217,106.10	
Credit Cards	(545.51)	(30.00)	-	
TOTAL ENDING CASH AND INVESTMENTS	1,661,490.78	1,566,123.90	1,217,106.10	

LITH SANITARY DISTRICT

Bills Paid Prior To Meeting

December 21, 2023 Meeting Date

Name	Memo	Amount
Governmental Funds		
Vanguard Energy Services	Utilities - October 2023	\$ 909.06
TOTAL GOVERNMENTAL BILLS PAID PRIOR TO MEETING		\$ 909.06
O & M Funds		
TAS United	Emergency Communications	\$ 110.00
Verizon Wireless	Emergency Communications	\$ 399.00
TOTAL O & M BILLS PAID PRIOR TO MEETING		\$ 509.00

LITH SANITARY DISTRICT

Recurring Bills

December 21, 2023 Meeting Date

Name	Memo	Amount
Governmental Funds		
United States Treasury	District Pd Payroll Taxes (SS & Med)	\$ 5,572.59
Illinois Municipal Retirement Fund	Employer Portion of IMRF- November 2023	\$ 9,324.69
TOTAL GOVERNMENTAL RECURRING BILLS		\$ 14,897.28
O & M Funds		
Blue Cross Blue Shield	Medical Insurance Premiums (for November 2023)	\$ 21,151.94
First National Bank PayMaker/Bill.com	Pro Svs - PayMaker/ Bill.com	\$ 72.75
Humana	Specialty Insurance Premiums (for November 2023)	\$ 1,469.17
United States Postal Service	Postage - Past Due Notices	\$ 735.38
TOTAL O & M RECURRING BILLS		\$ 23,429.24

Approved _____

President Reed

LITH SANITARY DISTRICT - Governmental Fund

Bills Presented to Board for Approval

December 21, 2023 Meeting

Name	Memo		
GOVERNMENTAL FUND BILLS			
Applied Technologies Inc	Contractual Svs - Engineering	\$	3,060.00
First National Bank of Omaha - Visa	Op Exp - Travel, IL Tollway (I-Pass)	\$	30.00
Hawkins Inc	Chlorination - Alum Sulfate	\$	1,689.60
Hawkins Inc	Chlorination - Alum Sulfate	\$	2,590.40
Illinois Govt Finance Officers Assoc (IGFOA)	Memberships/Dues - K Thompson 2024	\$	400.00
Storino Ramello & Durkin	Contractual Svs - Legal, October 2023	\$	612.40
Vanguard Energy Services	Utilities - November 2023	\$	2,638.39
TOTAL GOVERNMENTAL FUND BILLS		\$	11,020.79

LITH SANITARY DISTRICT - O&M/Sewerage Fund

Bills Presented to Board for Approval

December 21, 2023 Meeting

Name	Memo	Amount
O & M BILLS		
Airgas USA	Op Supplies	\$ 60.60
AMS Mechanical Systems	Maint/Repair - Plant	\$ 1,210.00
Apex Industrial Automation LLC	Maint/Repair - Plant, Gearbox Repair	\$ 11,261.94
Applied Technologies Inc	Engineering Exp - 23-05 Sewer Lining CEI	\$ 1,210.00
AutoZone, Inc.	Maint/Repair - Plant Vehicles, Battery Charger for TV Truck	\$ 81.49
AutoZone, Inc.	Maint/Repair - Plant Vehicles, Oil Filter - Dakota	\$ 2.79
AutoZone, Inc.	Maint/Repair - Plant Vehicles, Oil Filters	\$ 8.97
Botts Welding	Maint/Repair - Plant, Hotroll Steel for Septic Receiving Garage Door	\$ 166.40
Calco, Ltd. Inc.	Op Supplies - Lab	\$ 465.00
Cintas Corporation #355	Op Supplies - Personnel, November 2023	\$ 698.64
Dilar's Embroidery & Monograms	Op Supplies - Personnel, Logo Items	\$ 623.50
Dynegy Energy Services	Utilities - November 2023	\$ 33,067.97
First Mobile Trust Inc	Collection Exp - November 2023	\$ 1,123.91
First National Bank of Omaha - Visa	Computer Exp, Bldgs & Grounds, Op Supplies Safety, Telephone, Emerg Comm, Pro Svs, Vehicles	\$ 1,704.23
First Security Systems, Inc.	Pro Svs - Annual Contract Fire Alarm System	\$ 2,142.00
Flood Brothers Disposal & Recycling Svs	Bldgs & Grounds - December 2023 Trash & Recycling Svs	\$ 369.16
Harrell & Son's Lawn Maintenance	Grounds Upkeep - November 2023 Mowing	\$ 1,050.00
Hawkins, Inc	Sludge Mgt - Aqua Hawk 808	\$ 5,380.97
IDEXX Distribution Inc	Op Supplies - Lab	\$ 2,598.62
Lou's Gloves	Op Supplies - Gloves	\$ 429.00
Marc Kresmery Construction	Pro Svs & Upgrades - Install 8" Flange Plug Valve w Actuator (10/21/23)-Press Wet Well for D2	\$ 6,530.00
Marc Kresmery Construction	Pro Svs & Upgrades - Install 6" Flange Plug Valve w Actuator (12/2/23)-Septic Receiving	\$ 10,477.00
McHenry County Recorder	Collection Exp - November 2023	\$ 56.50
Menards	Op Supplies	\$ 64.86
Menards	Op Supplies	\$ 243.86
Metropolitan Industries, Inc.	Emergency Comm - Metro Cloud 11/15/23	\$ 445.00
Metropolitan Industries, Inc.	Emergency Comm - Metro Cloud 12/15/23	\$ 445.00
Mid-South Imaging LLC	Collection Exp	\$ 85.00
Motion Industries	Maint/Repair - Plant, Bar screens	\$ 141.83
Motion Industries	Maint/Repair - Plant, Raptor Element Bank 309	\$ 708.82

Motion Industries	Maint/Repair - Plant, Raptor Couplings Bank 309	\$	2,183.42
Peerless Enterprises, Inc.	Cap Imprvmnts - Pro Svs & Upgrades - New Fence w Barbed Wire	\$	50,130.00
PetroChoice LLC	Gas/Fuel	\$	867.54
Security Builders Supply	Cap Imprvmnts - Pro Svs & Upgrades - Door Hinges, Bolts, Lockset, Closers, Weatherstrip, Sweep	\$	8,435.00
Storino Ramello & Durkin	Collection Exp - October 2023	\$	101.40
Synagro-WWT, Inc.	Sludge Mgt - November 2023	\$	6,600.00
TAS United	Emergency Communications	\$	110.00
Technology Masters Inc	Computer Exp - Maintenance 11/30/23	\$	567.50
TEKLAB, INC	Pro Svs - Lab	\$	148.00
TEKLAB, INC	Pro Svs - Lab	\$	295.20
TEKLAB, INC	Pro Svs - Lab	\$	148.00
TEKLAB, INC	Pro Svs - Lab	\$	148.00
TEKLAB, INC	Pro Svs - Lab	\$	148.00
The Home Depot	Operating Supplies - Salt, Mop & Other Op Supplies	\$	1,475.86
USA BlueBook	Op Supplies - Safety, Face Shields & Replacement Screens	\$	200.29
USA BlueBook	Op Supplies - Lab, Probe Caps	\$	372.40
USA BlueBook	Op Supplies - Safety, Face Shields for UV Lights	\$	51.70
Village of Lake In The Hills	Collection Exp -Water Shut Offs 10/24/23	\$	262.50
Village of Lake In The Hills	Collection Exp -Water Shut Offs 11/16/23 & 11/21/23	\$	315.00
Warehouse Direct	Pro Svs - Copies	\$	39.57
Water One, Inc.	Op Supplies - Personnel, Drinking Water Equip Rental	\$	22.50
Water One, Inc.	Op Supplies - Personnel, Drinking Water	\$	72.75
Wilkens-Anderson	Op Supplies - Lab	\$	715.65
Ziegler's Ace Hardware	Op Supplies - November 2023	\$	358.37

TOTAL O&M FUND BILLS

\$ 156,621.71

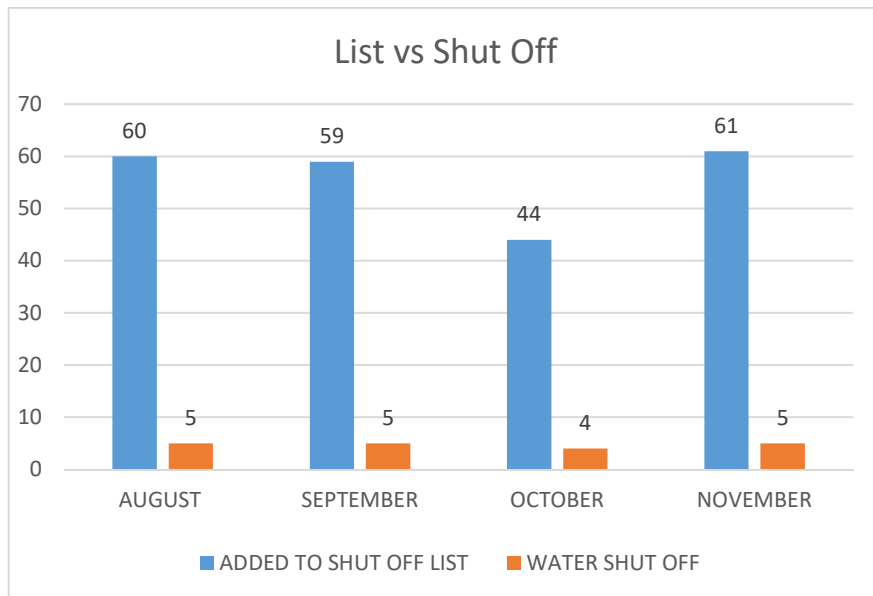
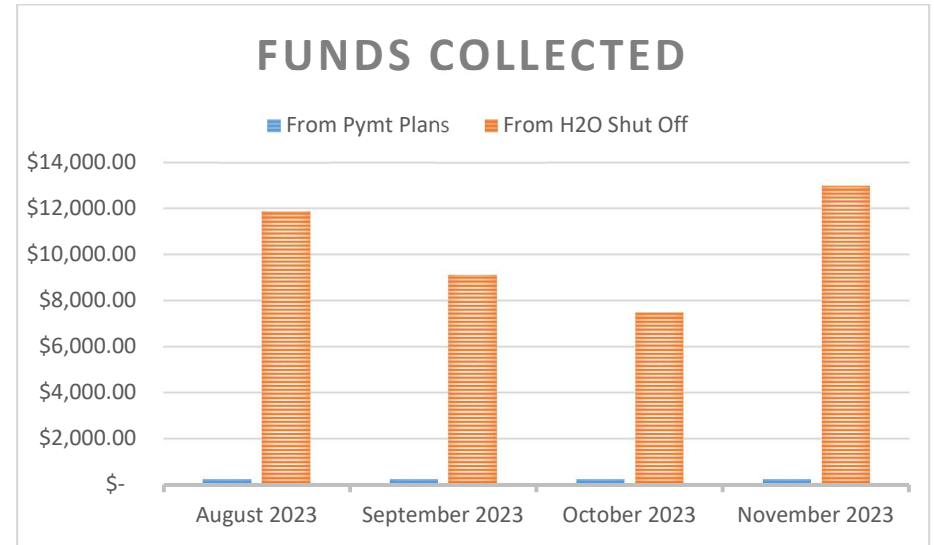
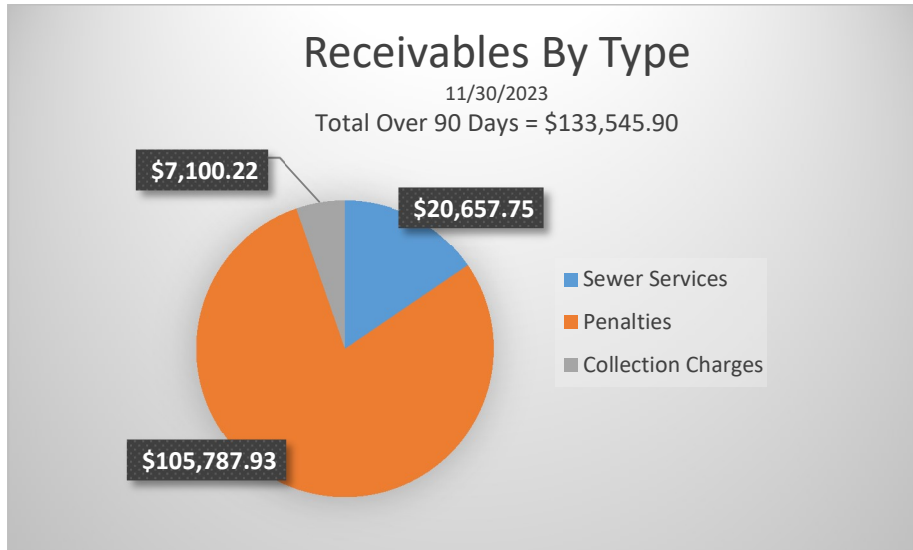
GRAND TOTAL OF ALL BILLS PRESENTED FOR APPROVAL IS \$207,387.08 OF WHICH \$26,827.13 IS FROM THE GOVERNMENTAL FUNDS, \$180,559.95 IS FROM THE OPERATIONS AND MAINTENANCE FUNDS, \$0.00 IS FROM THE CONSTRUCTION FUNDS, AND \$0.00 IS FROM THE BOND AND INTEREST FUNDS.

Approved_____

President Reed

Accounts Receivable Analysis

November 2023



Monthly Shut Off Summary

Lake in the Hills

- 4 were shut off - 3 pd. in full post shut off & 1 partially pd.

Huntley

- None.

Crystal Lake

- 1 was shut off – pd. in full post shut off.

MANAGER'S REPORT

Month of November, 2023

Customers

	CURRENT	12/MO TOTAL	Data for Nov 2022
Total accounts:	11,771		
New Customers:	2	14	1
Connections:	0	6	1
Permits Issued:	0	3	2
Permits Issued Past 13 Months:	5		
Total Permits Issued to Date:			
<i>Residential:</i>	10,122		
<i>Commercial:</i>	122		
<i>Industrial:</i>	1		

ILLINOIS E.P.A. SANITARY SEWER EXTENSION PERMITS ISSUED PAST 12 MONTHS

NAME	PE	DWELLINGS	Issued
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COLLECTION SYSTEM EMERGENCY RESPONSES AND SANITARY SEWER OVERFLOWS

DATE	LOCATION	PROBLEM	DISTRICT PROBLEM
11/1/2023	317 Ramble	basement drains not draining	no

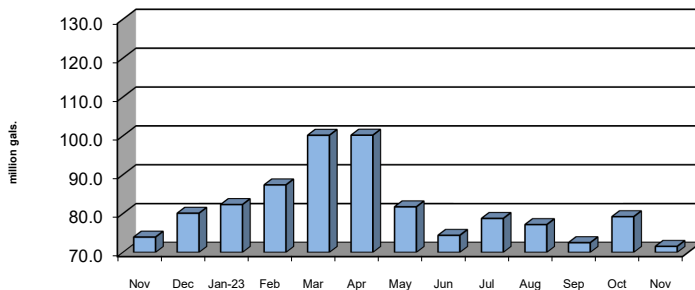
COLLECTION SYSTEM ACTIVITIES

Maintenance cleaned/root cut 1,509' of sewer main.

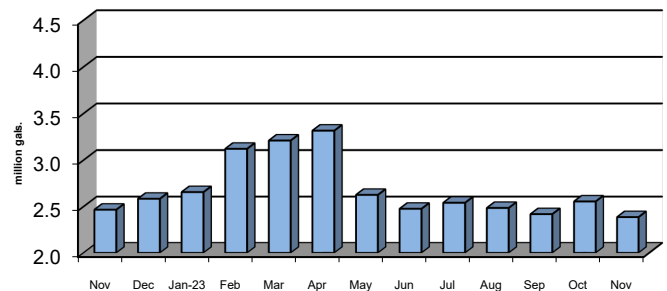
FLOW

Total Effluent Flow for Month:	71.546	million gallons
Average Daily Flow:	2.385	mgd
Maximum Daily Flow:	2.867	mgd
Precipitation Total:	0.94	inches
Precipitation This Month Last Year:	1.20	inches
Septage Accepted:	653,285	gallons

Total Monthly Flows



Monthly Average Daily Flows



MANAGER'S MONTHLY REPORT

November 2023

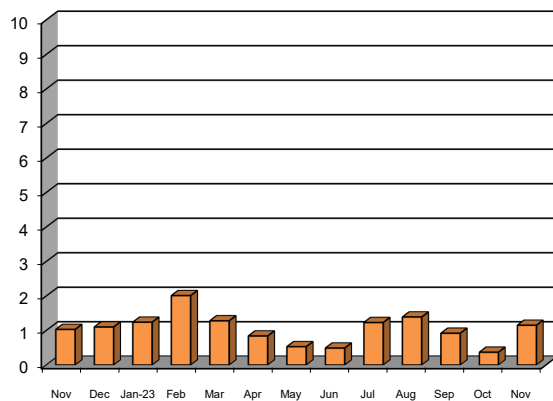
Page 2 of 2

TREATMENT PLANT OPERATIONS

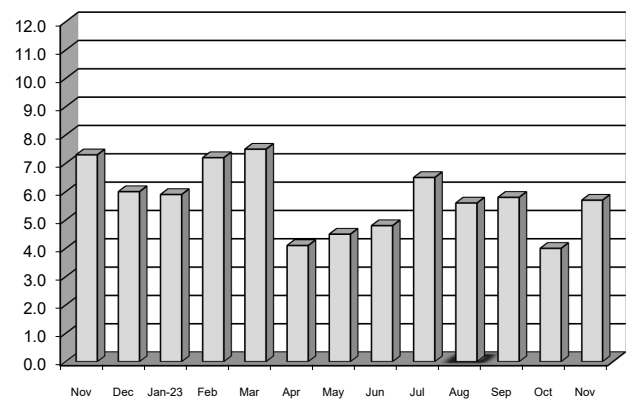
	<u>Average in</u>	<u>Average out</u>	<u>Average % reduction</u>
BOD/CBOD	291 mg/L	1.2 mg/L	99.6%
Total Suspended Solids:	480 mg/L	5.7 mg/L	98.8%
Ammonia Nitrogen:	21.9 mg/L	0.02 mg/L	99.9%
Phosphorus:		0.13 mg/L	
Fecal Coliform:		110 MPN	

This data represents the monthly averages taken from District records and submitted to the Illinois E.P.A.

**Effluent Monthly Average -
CBOD**



**Effluent Monthly Average -
Total Suspended Solids**



PLANT OPERATIONS SUMMARY

Wasted:	2.739 million gallons
Decanted:	0.386 million gallons
Thickened:	2.063 million gallons
To Digester:	0.972 million gallons
Pressed:	0.569 million gallons

PERSONNEL ACTIVITIES

Tamara attended the Fox River Study Group Annual Meeting on 11/9/23.

Respectfully submitted,

Tamara C. Mueller
District Manager



Date: December 19, 2023 **Project #:** 6564

To: Tamara Mueller, District Manager and Board of Trustees

Organization: Lake in the Hills Sanitary District

From: Robert C. Doeringsfeld, P.E., District Engineer

Regarding: November 2023 District Engineer's Report

Cc: Karen Thompson – District Clerk/Treasurer

1. McHenry County Division of Transportation (MCDOT) – Randall Road Project

- a. No Update

2. Task Order No. 23-05 Sanitary Sewer Lining Construction Engineering and Inspection

- a. The Final Pay Application has been submitted and is included in the Consent Agenda. Contract Summary:

Original Contract: \$328,000.00
Contract Change Order: -\$19,316.75 (Completed Quantities Adjustment)
Completed Contract to Date: \$308,683.25 (100%)
Previous Approved Payment: \$277,814.93
Retainage: \$0.00 (0%)

Pay Application No. 1- \$247,246.43.
Pay Application No. 2 - \$30,568.50
Pay Application No. 3-FINAL - \$30,868.32
TOTAL: \$308,683.25

3. ComEd Energy Efficiency Program

- a. ATI has been approved as an Industrial Service Provider by ComEd and will be performing an engineering investigation of the District's facility and will develop a report for the ComEd Industrial Systems program. This will be paid for by ComEd and completed at no cost to District.
- b. The goal of the report is to define the baseline energy use, and identify and quantify energy efficiency opportunities—types of projects, estimated savings, estimated costs, etc.
- c. ComEd engineers will review and approve the investigation report and it will be presented to the District

- d. Once the District reviews it, ComEd will ask the District to sign a Customer Selection Form, where the District will identify which project will be selected for implementation.
- e. The District will bid out and award the projects.
- f. Once the project is completed, the District Engineer will perform savings verification calculations.
- g. ComEd engineers will review and approve the verification report and it will be presented to the District.
- h. The District will receive an incentive of \$0.18/kWh based on verified energy savings (i.e., \$180,000 per 1,000,000 kilowatt-hours saved).
- i. The District's facilities currently use 3,832,920 kilowatt-hours per year, so ComEd believes there are energy savings opportunities to implement.
- j. ComEd has assigned the District's project the following project number, IDS-42212.