



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
January 18, 2024
7:00 p.m.**

REGULAR MEETING OF THE BOARD OF TRUSTEES

Roll Call

Pledge of Allegiance

Approval of Minutes

Public Comments

Consent Agenda

Specific Agenda

Treasurer's Report

Approval of Bills

Grand total of all bills presented for approval is \$120,981.50 of which \$26,438.46 is from the Governmental Funds, \$94,543.04 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
December 21, 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 and Trustee Matt Irsay. Trustee Russ Ruzanski was absent. Also in attendance at the Sanitary District offices were District Manager Tamara Mueller, Assistant District Manager Mike Nelson, District Attorney Ann Williams of Storino, Ramello & Durkin and District Treasurer/Clerk Karen Thompson. District Engineer Bob Doeringsfeld of Applied Technologies was absent.

Pledge of Allegiance

Approval of Minutes:

Motion was made by Trustee Irsay, seconded by President Reed, to approve the minutes of the Regular Board Meeting of November 16, 2023 as presented. On a roll call vote, President Reed and Trustee Irsay voted aye.

Public Comments:

None.

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.

Motion was made by Trustee Irsay and seconded by President Reed to approve the Consent Agenda as presented (Item A). On a roll call vote, President Reed and Trustee Irsay voted aye to approve the Consent Agenda as presented and approve the final pay application to National Power Rodding.

Treasurer's Report:

District Treasurer presented final written copies of the November 2023 Treasurer's reports. She highlighted some of the receipts and expenses on each of the reports. She also noted that customer refunds were higher than usual because the check was mailed to the resident who had been double paying for several years. This is the issue that the District Manager spoke about last month. She also advised that we have received all property tax installments from the 2022 levy.

Motion was made by Trustee Irsay and seconded by President Reed to approve the November 2023 Treasurer's reports as presented. On a roll call vote, President Reed and Trustee 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 President Reed to approve the List of Bills as presented. The total approved for payment 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.

The motion passed after a roll call vote; President Reed 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
December 21, 2023**

Manager's Report:

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

She highlighted the following items:

- There was 1 emergency call in November and it wasn't a District issue.
- The seawall was approved by the Army Corps and it is now in the permitting stage with the Village of Lake in the Hills.
- There were 5 intruders on District property who were caught on the trail camera on December 9th. They broke some fire extinguisher cabinets for the fuel tanks and took a couple of extinguishers. Some of the new barbed wire was also damaged. They have not been back since. Charges will be filed once the intruders are identified.

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

Engineer's Report:

District Engineer Bob Doeringsfeld of Applied Technologies was absent, so District Manager provided an update on the projects they are working on.

These projects are as follows:

1. McHenry County Division of Transportation (MCDOT) Randall Road Project – No updates.
2. District Sanitary Sewer Lining – This project is done. The final pay application was approved tonight.
3. ComEd Energy Efficiency Program Grant – Applied Technologies was approved to be a service provider. They will work with us on energy savings. Payment to Applied Technologies for their work will come directly from ComEd and not us.

Attorney's Report:

District Attorney provided some information on her research regarding the back billing of the resident that was discussed last month. The current laws regarding back billing do not apply to sanitary districts, therefore, it is up to us regarding how to handle it. She suggested that once we decide how to proceed, we make it a policy so that future issues would be handled the same way. It was decided that we will send this resident a letter requesting half of the amount that is past due. District Manager will send it out after the holidays.

District Attorney further provided some information about a movement regarding 3 member Boards. Currently, Board members are not allowed to talk outside of meetings. There have been many new 3 member Boards created for each police district in Chicago. The current rules really limit the ability for these Board members to do their work. She believes this will be pending in the general assembly in 2024.

Unfinished Business:

None.

**Lake in the Hills Sanitary District
Board of Trustees Regular Meeting Minutes
December 21, 2023**

New Business:

None.

Adjournment:

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

The meeting was adjourned at 7:23pm.

Respectfully submitted,

KT

Karen Thompson,
District Clerk

APPROVED this _____ day of _____, 2024.

President Reed

LAKE IN THE HILLS SANITARY DISTRICT
MONTHLY TREASURER REPORT - O&M/SEWERAGE FUNDS
 Month of December, 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	1,169,133.63	1,028,591.19	998,491.34	
First National Bank - Depreciation Account	Construction	2,946,398.39	2,961,332.09	2,878,369.45	
First National Bank - Surplus Funds	Construction	28,780.27	28,874.76	15,634.43	
First National Bank - Bond & Interest Fund	Bond & Int	1,159,264.44	1,227,564.43	1,042,580.25	
First National Bank - Sinking Funds	Bond & Int	1,389,798.16	1,392,711.03	1,318,650.46	
Algonquin Bank & Trust - Cash Mgr	O&M	1,477,445.72	1,498,075.33	1,722,498.80	
Algonquin Bank & Trust - Operating	O&M	590.00	94.00	603.00	
Credit Cards		(2,849.16)	(3,143.84)	(1,278.68)	
TOTAL BEGINNING CASH AND INVESTMENTS		8,168,561.45	8,134,098.99	7,975,549.05	
SEWERAGE FUNDS					
		PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Revenues and Receipts					
Sewer Bill Income/User Charges		85,103.47	33,138.06	1,973,717.55	3,600,000.00
Septage Income		37,857.42	60,248.10	362,308.56	350,000.00
Wastewater Discharge Income		7,862.27	6,722.82	57,955.39	65,000.00
Customer Refunds		(3,207.85)	(18.00)	(5,585.76)	-
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		20,732.52	20,721.21	162,711.73	75,000.00
TOTAL REVENUES AND RECEIPTS		148,347.83	120,812.19	2,563,418.14	4,195,500.00
Expenditures					
PERSONNEL SERVICES					
District Personnel Salaries		56,215.25	79,921.14	472,031.78	730,000.00
ADMINISTRATIVE EXPENSES					
Telephone		88.71	150.98	1,655.91	3,000.00
Postage		735.38	5,215.83	18,022.50	27,500.00
Printing and Publications		-	-	701.68	2,000.00
Office Supplies		631.52	-	2,634.48	7,500.00
Billing and Collection Expenses		10,472.34	2,826.88	69,108.28	75,000.00
Professional Services		230.61	235.14	3,812.00	5,000.00
Training, Travel and Education		-	20.00	1,155.50	7,000.00
Computer Hardware, Software, and Support		749.33	772.47	10,673.68	25,000.00
Community Affairs		-	-	553.38	2,000.00
Medical and Life Insurance		22,621.11	24,213.77	176,925.74	275,000.00
		35,529.00	33,435.07	285,243.15	429,000.00
OPERATIONS AND MAINTENANCE					
Operating Supplies		4,257.04	7,467.76	34,837.06	60,000.00
Maintenance and Repair (Plant)		6,161.71	16,135.75	40,390.86	150,000.00
Maintenance and Repair (Collection Systems)		31.75	-	12,889.28	300,000.00

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Utilities and Energy	35,173.21	33,342.53	291,362.23	400,000.00
Grounds Upkeep	1,400.00	1,050.00	16,950.00	30,000.00
Gasoline/Oil	709.72	867.54	7,719.60	20,000.00
Computer and Support Services				2,000.00
Emergency Communications	1,598.17	1,000.00	10,512.41	15,000.00
Sludge Management	39,989.79	11,980.97	181,409.82	275,000.00
Professional Services	1,892.51	3,029.20	16,890.83	45,000.00
Residential Reimbursement	-	-	-	10,000.00
Compliance Requirements/Permits	-	-	12,500.00	30,000.00
GIS	-	-	-	10,000.00
	<u>91,213.90</u>	<u>74,873.75</u>	<u>625,462.09</u>	<u>1,347,000.00</u>
CAPITAL IMPROVEMENTS				
New Construction	-	106,440.32	888,941.41	1,500,000.00
Plant Equipment	-	-	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	836.00	1,210.00	76,462.00	200,000.00
Bond, Finance Consulting Expense	-	-	-	1,000.00
	<u>30,732.00</u>	<u>107,650.32</u>	<u>1,181,443.21</u>	<u>2,881,000.00</u>
BOND TRANSFERS				
Series 2014 Bond, Principal	-	-	-	125,000.00
Series 2014 Bond, Interest	-	-	47,493.75	95,000.00
Administration Fees - 2014 Series Bond	850.00	-	850.00	2,000.00
	<u>850.00</u>	<u>-</u>	<u>48,343.75</u>	<u>222,000.00</u>
CONTINGENT AND MISCELLANEOUS EXPENSES				
Not Otherwise Appropriated	-	-	5.64	3,000.00
	<u>-</u>	<u>-</u>	<u>5.64</u>	<u>3,000.00</u>
TOTAL EXPENDITURES	<u>214,540.15</u>	<u>295,880.28</u>	<u>2,612,529.62</u>	<u>5,612,000.00</u>
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES	<u>(66,192.32)</u>	<u>(175,068.09)</u>	<u>(49,111.48)</u>	<u>(1,416,500.00)</u>
	-			
	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	1,028,591.19	820,599.63	835,083.30
First National Bank - Depreciation Account	Construction	2,961,332.09	2,969,024.16	2,892,445.12
First National Bank - Surplus Funds	Construction	28,874.76	18,076.35	23,671.12
First National Bank - Bond & Interest Fund	Bond & Int	1,227,564.43	1,236,382.53	1,109,549.25
First National Bank - Sinking Fund	Bond & Int	1,392,711.03	1,395,727.30	1,334,882.74
Algonquin Bank & Trust - Cash Mgr.	O&M	1,498,075.33	1,489,792.31	1,608,193.26
Algonquin Bank & Trust - Operating	O&M	94.00	0.00	0.00
Credit Cards	O&M	(3,143.84)	(817.89)	(1,570.16)
TOTAL ENDING CASH AND INVESTMENTS		<u>8,134,098.99</u>	<u>7,928,784.39</u>	<u>7,802,254.63</u>
SEWERAGE FUNDS				

LAKE IN THE HILLS SANITARY DISTRICT
MONTHLY TREASURER REPORT - GOVERNMENTAL FUNDS
 Month of December, 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	\$ 1,662,036.29	\$ 1,566,153.90	\$ 1,224,840.52
Credit Cards	(545.51)	(30.00)	(676.43)
TOTAL BEGINNING CASH AND INVESTMENTS	1,661,490.78	1,566,123.90	1,224,164.09

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Revenues and Receipts				
Real Estate Taxes				
General Fund	5,140.04	-	368,751.03	370,000.00
Audit Fund	166.80	-	11,966.47	12,000.00
Chlorination Fund	97.30	-	6,980.84	7,000.00
Liability Insurance Fund	1,041.87	-	74,745.54	75,000.00
Social Security Fund	902.98	-	64,782.48	65,000.00
Revenue Recapture Fund	12.35	-	885.31	-
Retirement Fund	2,153.24	-	154,477.40	155,000.00
Replacement Taxes	-	241.73	3,274.29	-
Rebates, Refunds or Grants Received	-	-	2,402.00	-
Interest Income	3,449.44	3,371.94	25,452.85	1,000.00
TOTAL REVENUES AND RECEIPTS	12,964.02	3,613.67	713,718.21	685,000.00

Expenditures

GENERAL FUND

PERSONNEL SERVICES

Salaries of Trustees, Manager, Treasurer & Clerk	16,629.17	20,622.01	136,177.07	220,000.00
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CONTRACTUAL SERVICES

Professional Engineering	2,312.00	3,060.00	22,208.00	65,000.00
Legal Services	481.25	612.40	4,466.21	25,000.00
Other Professional Services	-	-	1,950.00	5,000.00
	2,793.25	3,672.40	28,624.21	95,000.00

ADMINISTRATIVE EXPENSES

Printing, Publications	63.74	-	1,214.58	4,500.00
Office Supplies, Equipment	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	400.00	460.00	4,000.00
	3,255.64	400.00	5,130.35	17,000.00

OPERATING EXPENSES

Building and Grounds Upkeep	976.00	-	3,565.50	15,000.00
Utilities	909.06	2,638.39	11,107.01	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	7,000.00
	1,915.06	2,638.39	15,977.05	85,000.00

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
CONTINGENT AND MISCELLANEOUS EXPENSES				
Not Otherwise Appropriated	-	-	150.00	1,000.00
	-	-	150.00	1,000.00
TOTAL GENERAL FUND	24,593.12	27,332.80	186,058.68	418,000.00
CHLORINATION FUND	4,400.50	4,280.00	27,883.60	50,000.00
	4,400.50	4,280.00	27,883.60	50,000.00
AUDIT FUND	-	-	13,250.00	15,000.00
	-	-	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	5,572.59	7,691.57	46,528.01	75,000.00
IMRF FUND	9,324.69	12,944.94	73,025.75	155,000.00
OTHER EXPENDITURES (RECEIPTS)	-	-	-	-
TOTAL EXPENDITURES	108,330.90	52,249.31	420,394.04	873,000.00
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES	(95,366.88)	(48,635.64)	293,324.17	(188,000.00)
Ending Cash and Investments				
First National Bank	\$ 1,566,153.90	\$ 1,517,488.26	\$ 1,217,106.10	
Credit Cards	(30.00)	-	-	
TOTAL ENDING CASH AND INVESTMENTS	1,566,123.90	1,517,488.26	1,217,106.10	

**LITH SANITARY DISTRICT
Bills Paid Prior To Meeting
January 18, 2024 Meeting Date**

Name	Memo	Amount
Governmental Funds		
TOTAL GOVERNMENTAL BILLS PAID PRIOR TO MEETING		\$ -
O & M Funds		
Steven Woolf-reimbursement	Op Supplies - Personnel, 2023 Clothing Allowance	\$ 139.27
United States Postal Service	Postage - 1st Class & Postcard Stamps	\$ 117.00
Verizon Wireless	Emergency Communications	\$ 399.00
TOTAL O & M BILLS PAID PRIOR TO MEETING		\$ 655.27

**LITH SANITARY DISTRICT
Recurring Bills
January 18, 2024 Meeting Date**

Name	Memo	Amount
Governmental Funds		
United States Treasury	District Pd Payroll Taxes (SS & Med)	\$ 7,691.57
Illinois Municipal Retirement Fund	Employer Portion of IMRF- December 2023	\$ 12,944.94
TOTAL GOVERNMENTAL RECURRING BILLS		\$ 20,636.51
O & M Funds		
Blue Cross Blue Shield	Medical Insurance Premiums (for December 2023)	\$ 22,206.80
First National Bank PayMaker/Bill.com	Pro Svs - PayMaker/ Bill.com	\$ 68.13
Humana	Specialty Insurance Premiums (for December 2023)	\$ 2,006.97
United States Postal Service	Postage - Mailing of QU Bills	\$ 5,201.23
Village of Lake in the Hills	Utilities - Water	\$ 274.56
TOTAL O & M RECURRING BILLS		\$ 29,757.69

Approved _____

President Reed

**LITH SANITARY DISTRICT - Governmental Fund
Bills Presented to Board for Approval
January 18, 2024 Meeting**

Name	Memo		
GOVERNMENTAL FUND BILLS			
Applied Technologies	Contractual Svs - Engineering	\$	680.00
Hawkins Inc	Chlorination - Alum Sulfate 12/12/23	\$	900.80
Hawkins Inc	Chlorination - Alum Sulfate 12/21/23	\$	1,745.60
Hawkins Inc	Chlorination - Alum Sulfate 12/28/23	\$	1,745.60
Shaw Media	Printing & Publications - 2024 Board Meeting Dates	\$	70.44
Storino Ramello & Durkin	Contractual Svs - Legal November 2023	\$	659.51
			5,801.95
TOTAL GOVERNMENTAL FUND BILLS			\$ 5,801.95

**LITH SANITARY DISTRICT - O&M/Sewerage Fund
Bills Presented to Board for Approval
January 18, 2024 Meeting**

Name	Memo		Amount
O & M BILLS			
A&A Magnetics	Maint/Repair - Plant, Ox Ditch	\$	774.00
AMS Mechanical Systems	Maint/Repair - Plant, Septic Receiving Station	\$	2,485.34
Botts Welding	Maint/Repair - Plant Vehicles	\$	71.16
Cintas Corporation #355	Operating Supplies - Personnel	\$	835.02
City of Crystal Lake	Coll Exp - Water Shut Offs 11/8/23	\$	100.00
Civic Systems	Computer Exp - Semi Ann Software Support Fees 1/1/24-6/30/24	\$	3,581.00
Consolidated Electrical Distributors, Inc	Maint/Repair - Plant	\$	103.50
Dynegy Energy Services	Utilities- December 2023	\$	38,085.48
First Mobile Trust Inc	Collection Exp - December 2023	\$	419.08
First National Bank of Omaha - CC	Op Supplies Pers, Computer Exp, Pro Svs, Telephone, Training Travel & Education	\$	804.42
Flood Brothers Disposal & Recycling Svs	Bldgs & Grounds - January 2024 Trash & Recycling	\$	204.16
Fox Valley Fire & Safety	Pro Svs	\$	65.00
IDEXX Distribution Inc	Operating Supplies - Lab	\$	228.08
IDEXX Distribution Inc	Operating Supplies - Lab	\$	233.35
McHenry County Recorder	Collection Exp - December 2023	\$	51.50
Menards	Operating Supplies - Small Tools, Digital T Stat	\$	37.98
Mid-South Imaging LLC	Collection Exp	\$	85.00
Napa Auto Parts	Maint/Repair - Plant, Fix-A-Thread Kit	\$	69.99
PetroChoice LLC	Gas/Fuel	\$	480.29
Sievert Crane & Hoist	Pro Svs - Ann Inspection	\$	1,300.00
Sigma-Aldrich Inc	Operating Supplies - Lab	\$	92.48
Synagro-WWT, Inc.	Sludge Mgt - December 2023	\$	7,800.00
TAS United	Emergency Communications	\$	110.00
Technology Masters Inc	Computer Exp - Maint	\$	534.00
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
TEKLAB, INC	Pro Svs - Lab	\$	295.20
The Home Depot	Operating Supplies	\$	13.47
Third Millennium Associates, Inc.	Collection Exp -Rendering of QU Bills	\$	3,026.89

USA BlueBook	Operating Supplies - Lab	\$	670.42
Warehouse Direct	Pro Svs - Copies	\$	15.85
Water One, Inc.	Operating Supplies - Personnel	\$	37.75
Water One, Inc.	Operating Supplies - Personnel	\$	22.50
Whispering Hills	Bldgs & Grounds - Topsoil for Low Spots Around Fence Perimeter	\$	93.00
Whispering Hills	Bldgs & Grounds - Topsoil for Low Spots Around Fence Perimeter	\$	93.00
Whispering Hills	Bldgs & Grounds - Topsoil for Low Spots Around Fence Perimeter	\$	93.00
Wilkens-Anderson	Operating Supplies - Lab	\$	41.63
Ziegler's Ace Hardware	Operating Supplies - December 2023	\$	437.34

TOTAL O&M FUND BILLS

\$ 64,130.08

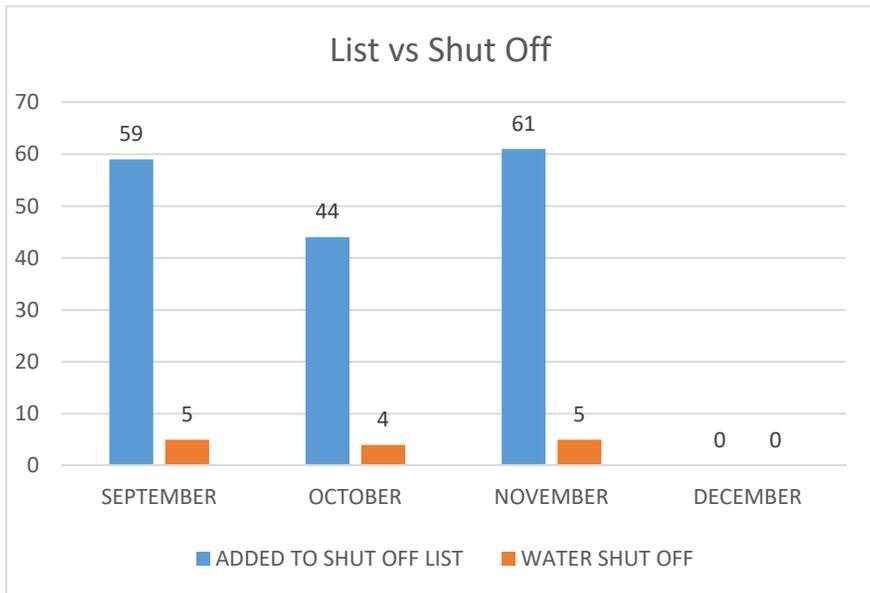
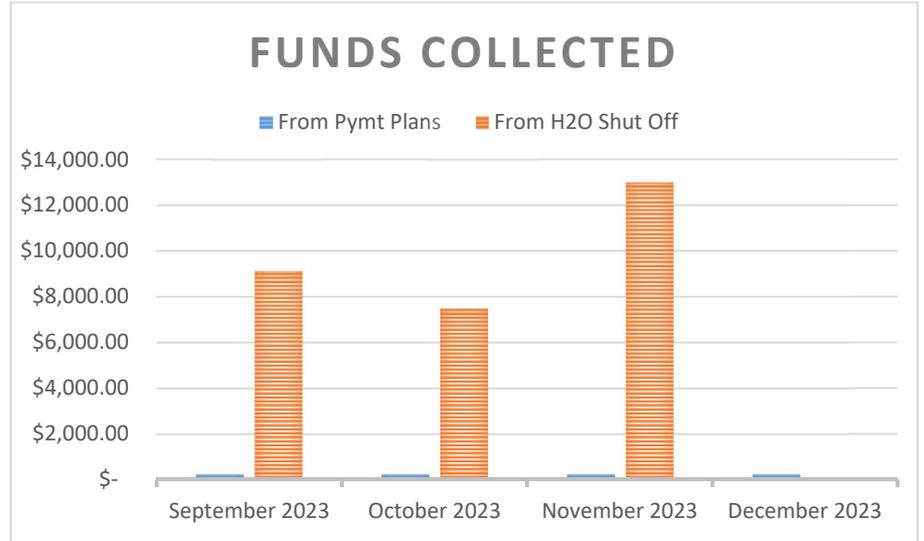
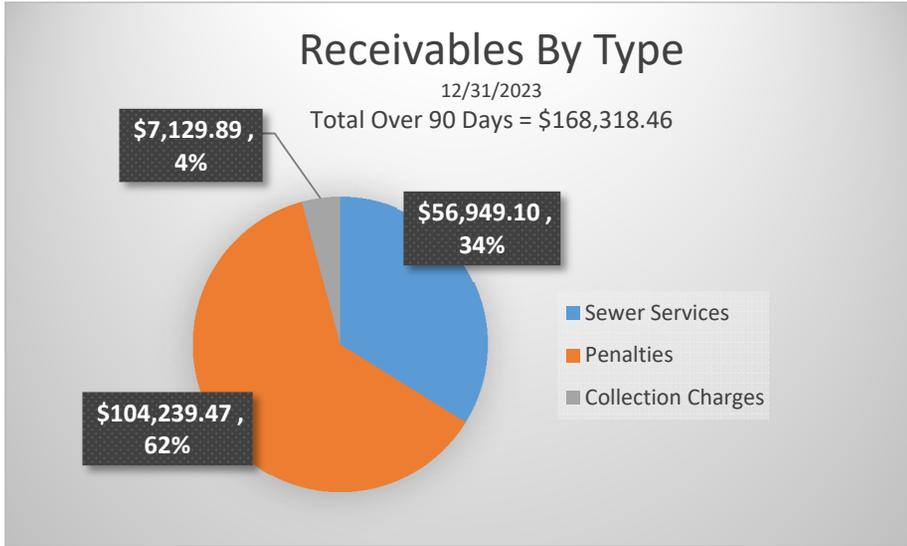
GRAND TOTAL OF ALL BILLS PRESENTED FOR APPROVAL IS **\$120,981.50** OF WHICH **\$26,438.46** IS FROM THE GOVERNMENTAL FUNDS, **\$94,543.04** IS FROM THE OPERATIONS AND MAINTENANCE FUNDS, **\$0.00** IS FROM THE CONSTRUCTION FUNDS, AND **\$0.00** IS FROM THE BOND AND INTEREST FUNDS.

Approved _____

President Reed

Accounts Receivable Analysis

December 2023



Monthly Shut Off Summary

Lake in the Hills

- None.

Huntley

- None.

Crystal Lake

- None.

MANAGER'S REPORT

Month of December, 2023

Customers	CURRENT	12/MO TOTAL	Data for Dec 2022
	Total accounts:	11,773	
New Customers:	2	16	0
Connections:	1	3	4
Permits Issued:	0	2	1
Permits Issued Past 13 Months:	3		
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

COLLECTION SYSTEM EMERGENCY RESPONSES AND SANITARY SEWER OVERFLOWS

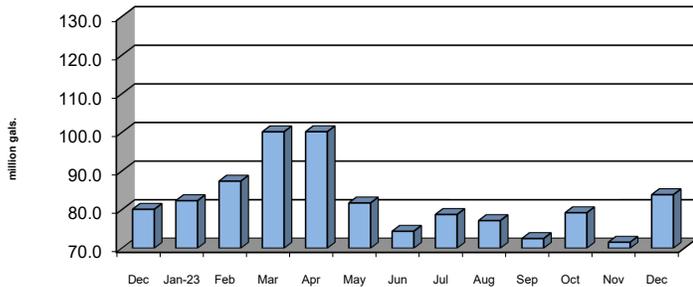
DATE	LOCATION	PROBLEM	DISTRICT PROBLEM
12/28/2023	1411 Adams St	basement drains not draining	yes

COLLECTION SYSTEM ACTIVITIES

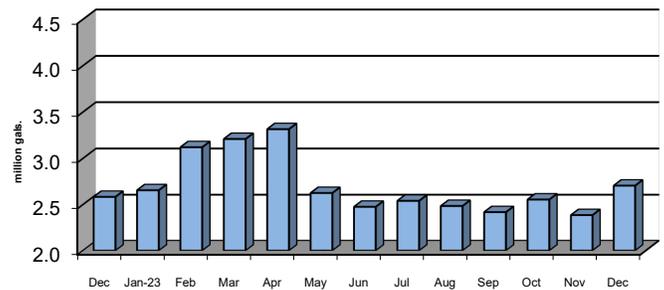
FLOW

Total Effluent Flow for Month:	83.859	million gallons
Average Daily Flow:	2.705	mgd
Maximum Daily Flow:	3.207	mgd
Precipitation Total:	2.74	inches
Precipitation This Month Last Year:	3.50	inches
Septage Accepted:	496,606	gallons

Total Monthly Flows



Monthly Average Daily Flows



MANAGER'S MONTHLY REPORT

December 2023

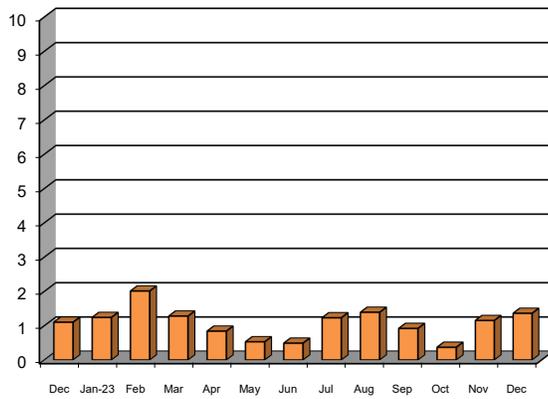
Page 2 of 2

TREATMENT PLANT OPERATIONS

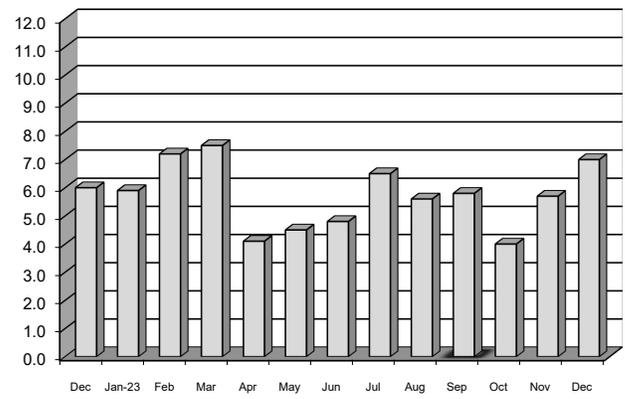
	<u>Average in</u>	<u>Average out</u>	<u>Average % reduction</u>
BOD/CBOD	250 mg/L	1.4 mg/L	99.5%
Total Suspended Solids:	382 mg/L	7.0 mg/L	98.2%
Ammonia Nitrogen:	19.8 mg/L	0.09 mg/L	99.6%
Phosphorus:		0.13 mg/L	
Fecal Coliform:		123 MPN	

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:	1.675 million gallons
Decanted:	0.165 million gallons
Thickened:	1.567 million gallons
To Digester:	0.851 million gallons
Pressed:	0.824 million gallons

PERSONNEL ACTIVITIES

Tamara attended LITH Steering Committee meeting on 12/5/23.

Respectfully submitted,

Tamara C. Mueller
District Manager



Date: January 16, 2024 **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: January 2024 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. Completed
- b. Phase 2 of the Sanitary Sewer Lining Project has started scope development. Currently reviewing scope and proposed sections to line. It is anticipated that the District will continue lining the Dam Lift Station tributary area.

3. Development Review

- a. Starbucks review for 4501 Algonquin Road, between N. Lakewood Road and Wentworth Drive.

4. ComEd Energy Efficiency Program (From last month)

- 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.