



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
November 17, 2022
7:00 p.m.**

REGULAR MEETING OF THE BOARD OF TRUSTEES

Pledge of Allegiance

Roll Call

Approval of the Minutes

Public Comments

Consent Agenda

- A. Compensation recommendation for Kyle Caccamo per District Manager's recommendation on October 27, 2022.**
- B. Approval of employee recognition per the District Manager's recommendation.**
- C. Approval of writing off uncollectible residential accounts per staff's recommendation.**

Specific Agenda

Treasurer's Report

Approval of Bills

Grand total of all bills presented for approval is \$177,944.84 of which \$89,126.72 is from the Governmental Funds, \$87,968.12 is from the Operations and Maintenance Funds, \$0.00 is from the Construction Funds, and \$850.00 is from the Bond and Interest Funds.

Manager's Report

Operations Update

Insurance Renewals and New Carrier for Pollution Coverage



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November 17, 2022
7:00 p.m.
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Engineer's Report

Attorney's Report

Unfinished Business

New Business

Adjournment

**Lake in the Hills Sanitary District
Board of Trustees Regular Meeting Minutes
October 20, 2022**

Pledge of Allegiance

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 Russ Ruzanski. Trustee Matt Irsay was absent.

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, Attorney Melissa Wolf of Storino, Ramello & Durkin and District Treasurer/Clerk Karen Thompson.

Approval of Minutes:

Motion was made by President Reed, seconded by Trustee Ruzanski to approve the minutes of the Regular Board Meeting of September 15, 2022 as presented. On a roll call vote, President Reed and Trustee Ruzanski voted aye.

Public Comments:

None.

Consent Agenda:

- A. Approval of Maneval Construction Company Change Order No. 1 for the Front Entrance Drive Reconstruction.
- B. Approval of Contractor's Application for Payment No. 2 in the amount of \$78,128.73 to Maneval Construction Company for the Front Entrance Drive Reconstruction.

Motion was made by Trustee Ruzanski and seconded by President Reed to approve the Consent Agenda as presented (Items A & B). On a roll call vote, President Reed and Trustee Ruzanski voted aye to approve the Consent Agenda as presented and approve Change Order No. 1 and Pay Application No. 2.

Specific Agenda:

None.

Treasurer's Report:

District Treasurer presented final written copies of the September 2022 Treasurer's reports and provided a verbal summary of some of the receipts and expenses.

Motion was made by Trustee Ruzanski and seconded by President Reed to approve the September 2022 Treasurer's reports as presented. On a roll call vote, President Reed and Trustee Ruzanski voted aye.

**Lake in the Hills Sanitary District
Board of Trustees Regular Meeting Minutes
October 20, 2022**

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 President Reed and seconded by Trustee Ruzanski to approve the List of Bills as presented. The total approved for payment is \$146,088.84 of which \$27,191.02 is from the Governmental Funds, \$118,427.82 is from the Operations and Maintenance Funds, \$470.00 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 Ruzanski voted aye to approve the list of bills as presented.

Manager's Report:

District Manager presented a written copy of the September 2022 Manager's report and provided a verbal summary.

There were three emergency call outs in September. One was a District issue, but it was for odor only and there was no backup or property damage. Unfortunately, we did have a backup last week which was the first one in 15 months. The claim has been turned over to our insurance company. The claim will likely be denied due to our preventative maintenance program. District Manager will keep the Board apprised on this issue.

Our insurance agent has stepped down and transferred our business to a new agent, Frisbie-Lohmeyer Insurance. They will be working on putting together quotes for our November renewal.

We have had odor complaints from some residents that live in the condos behind the facility. We know that it is coming from the VLR and it occurs in the evening and overnight. We are working with Evoqua to try to determine how to fix this.

We continue to do very well on our energy savings. District Manager anticipates that we will receive our incentive check in the next month or two and anticipates it will be between \$30,000.00 and \$40,000.00.

Motion was made by President Reed, seconded by Trustee Ruzanski, to approve the September 2022 Manager's report as presented. On a roll call vote, President Reed and Trustee Ruzanski 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. Front Entrance Drive Reconstruction – This project was completed in September. Change Order No. 1 and Pay Application No. 2 were just approved tonight.

**Lake in the Hills Sanitary District
Board of Trustees Regular Meeting Minutes
October 20, 2022**

2. Barium Discharge Limits – They are proceeding with a submittal to the US EPA for a local limit on Barium.
3. Task Order 22-02 Sludge Storage Building Modifications – Contracts have been signed and a Notice to Proceed has been delivered to Martam Construction. The plan is to start this project in January with the removal of the existing concrete.
4. McHenry County Division of Transportation (MCDOT) Randall Road Project – The District responded to the meeting minutes of the MCDOT coordination meeting to clarify the position of the District. The District's position is that we do not prefer to move existing sanitary sewer pipes and we do not have the resources, time or budget to move 3,900 feet of sewer by summer 2023. We have requested additional coordination meetings to discuss the issue.
5. Lake in the Hills Master Water/Sewer Plan – They responded to the Village's preliminary Routing Options memo with comments. This is going to be a very expensive area to develop. There has also been some discussion about that area being serviced by the Village of Cary which would require some coordination between us and them.

Attorney's Report:

None.

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. 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,



Karen Thompson,
District Clerk

APPROVED this _____ day of _____, 2022.

President Reed



LAKE IN THE HILLS SANITARY DISTRICT

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

Memo

To: Board of Trustees

From: Tamara Mueller

Date: October 27, 2022

Re: Operator Certification

It's my pleasure to announce that Kyle Caccamo obtained his Class 1 Operator Certification through the Illinois Environmental Protection Agency on October 20, 2022. This is the highest classification for a wastewater operator in Illinois.

Per the Lake in the Hills Sanitary District's Personnel Policies and Procedures Handbook, an employee's salary shall be increased by \$100 per month 30 days after the District receives formal notification that a Class 1 Operator Certification has been issued.

Therefore, it is my recommendation that Kyle's salary be adjusted, effective November 27, 2022, to \$30.58 per hour which equates to a \$100 per month increase.



LAKE IN THE HILLS SANITARY DISTRICT

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Memo

To: President and Board of Trustees
From: Tamara Mueller, District Manager
Date: November 11, 2022
Re: Employee Recognition Recommendations

I would like to commend staff for energy savings (see attached) and their commitment to the District. What is even more extraordinary about the energy savings this year is that ComEd lowered the expected electric model at the end of last year to account for the phenomenal energy savings achieved in 2021. The fact that the District was able to save more energy than the year before after the baseline was decreased is incredible. In addition to reduced electric bills, the District will be receiving a check around \$35,000 from ComEd. Because of this, I submit to you, for approval at the Regular Meeting of the Board of Trustees on November 17, 2022, the following schedule for this year's employee recognition, to be distributed with the December 15th paychecks.

<u>Employee</u>	<u>Amount</u>
Michael Nelson	\$1,600
John Caccamo	\$1,500
James Olvera	\$1,500
Jerilyn Stahlberg	\$1,500
Karen Thompson	\$1,500
Kyle Caccamo	\$1,500
Jennifer Olson	\$1,400
Rene Rodriguez	\$1,400
Kadie Gillie	\$1,400
Dierdre Murphy	\$1,400
Tamara Mueller	\$1,000

Thank you.

CUSUM - Current Year Savings

Lake in the Hills Sanitary District

MARKERS

- CUSUM - Current Year Savings (Shared)
- CUSUM - Total Program + Ex... (Shared)
- kWh + Influent Flow, Last 3 ... (Shared)
- kWh - This Mo, by Day (Shared)
- kW - All Meters, Last 3 Mo, b... (Shared)
- All Data Inputs, Last 3 Months (Shared)

VIEW TIME DATA



SAVED VIEWS

NEW VIEW SAVE VIEW AS RENAME VIEW DELETE VIEW TYPE OVERLAY HISTORY

STACK YES NO DOWNLOAD HIDE

LAKE IN THE HILLS SANITARY DISTRICT
MONTHLY TREASURER REPORT - O&M/SEWERAGE FUNDS
 Month of October, 2022

		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	523,266.43	245,512.27	1,083,680.95	
First National Bank - Certificate Fund	Bond & Int	CLOSED	CLOSED	37,516.54	
First National Bank - Depreciation Account	Construction	2,776,323.44	2,800,422.85	2,740,847.71	
First National Bank - Surplus Funds	Construction	10,511.34	10,516.53	23,994.73	
First National Bank - Bond & Interest Fund	Bond & Int	967,578.04	929,123.01	836,953.89	
First National Bank - Sinking Funds	Bond & Int	1,305,122.93	1,320,515.61	1,244,940.58	
Algonquin Bank & Trust - Cash Mgr	O&M	1,586,057.45	1,600,153.36	1,873,882.90	
Algonquin Bank & Trust - Operating	O&M	0.00	0.00	1,468.00	
Credit Cards		(1,267.24)	(1,219.24)	(875.73)	
TOTAL BEGINNING CASH AND INVESTMENTS		7,167,592.39	6,905,024.39	7,842,409.57	
SEWERAGE FUNDS					
		PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Revenues and Receipts					
Sewer Bill Income/User Charges		38,692.25	733,380.89	1,722,667.28	3,600,000.00
Septage Income		26,959.80	8,934.60	174,713.22	350,000.00
Wastewater Discharge Income		5,887.72	5,631.64	29,237.60	65,000.00
Customer Refunds		(611.81)	(218.03)	(10,437.29)	-
Connection/Tap-On Fees		20,800.00	-	36,400.00	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		-	-	3,063.56	-
Interest Income		5,992.84	9,368.23	27,669.00	5,000.00
TOTAL REVENUES AND RECEIPTS		97,720.80	757,097.33	1,983,313.37	4,125,500.00
Expenditures					
PERSONNEL SERVICES					
District Personnel Salaries		53,175.32	48,839.67	314,294.30	700,000.00
ADMINISTRATIVE EXPENSES					
Telephone		199.32	199.32	1,216.71	3,000.00
Postage		4,313.36	60.00	10,640.68	20,000.00
Printing and Publications		-	-	-	2,000.00
Office Supplies		70.79	473.93	3,266.29	7,500.00
Billing and Collection Expenses		1,572.47	3,764.50	28,426.02	75,000.00
Professional Services		205.42	160.35	1,606.85	5,000.00
Training, Travel and Education		20.00	-	1,098.78	7,000.00
Computer Hardware, Software, and Support		828.51	667.26	8,723.32	25,000.00
Community Affairs		-	-	60.47	2,000.00
Medical and Life Insurance		21,279.39	21,279.39	125,332.24	275,000.00
		28,489.26	26,604.75	180,371.36	421,500.00
OPERATIONS AND MAINTENANCE					
Operating Supplies		2,221.95	3,158.07	18,770.12	60,000.00
Maintenance and Repair (Plant)		2,033.62	1,063.52	26,579.22	150,000.00
Maintenance and Repair (Collection Systems)		36,642.58	3,485.15	70,125.86	300,000.00
Utilities and Energy		13,552.91	14,406.39	113,015.74	400,000.00
Grounds Upkeep		3,000.00	1,500.00	12,945.92	30,000.00
Gasoline/Oil		638.58	855.70	9,816.18	20,000.00
Computer and Support Services		-	-	-	2,000.00
Emergency Communications		935.91	1,379.30	5,779.65	40,000.00

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Sludge Management	45,529.88	44,554.74	179,451.52	225,000.00
Professional Services	8,785.55	591.20	22,641.75	35,000.00
Residential Reimbursement	-	-	3,549.45	10,000.00
Compliance Requirements/Permits	-	-	20,000.00	30,000.00
GIS	-	-	-	10,000.00
	<u>113,340.98</u>	<u>70,994.07</u>	<u>482,675.41</u>	<u>1,312,000.00</u>

Expenditures (continued)

CAPITAL IMPROVEMENTS

New Construction	5,945.00	84,793.73	243,221.47	1,500,000.00
Plant Equipment	88,458.01	-	195,658.19	500,000.00
Collection System	-	-	99,586.00	500,000.00
Vehicles	-	-	101,355.00	175,000.00
Legal Expense	-	-	-	5,000.00
Engineering Expense	22,135.00	11,142.00	53,027.00	200,000.00
Bond, Finance Consulting Expense	-	-	-	1,000.00
	<u>116,538.01</u>	<u>95,935.73</u>	<u>692,847.66</u>	<u>2,881,000.00</u>

BOND TRANSFERS

2008 Debt Certificates, Principal	-	-	690,000.00	690,000.00
2008 Debt Certificates, Interest	-	-	4,555.47	5,000.00
Administration Fees - 2008 Debt Certs	-	-	500.00	2,000.00
	<u>-</u>	<u>-</u>	<u>695,055.47</u>	<u>697,000.00</u>

Series 2014 Bond, Principal	-	-	-	120,000.00
Series 2014 Bond, Interest	49,893.75	-	49,893.75	100,000.00
Administration Fees - 2014 Series Bond	-	-	-	2,000.00
	<u>49,893.75</u>	<u>-</u>	<u>49,893.75</u>	<u>222,000.00</u>

CONTINGENT AND MISCELLANEOUS EXPENSES

Not Otherwise Appropriated	-	-	-	3,000.00
	<u>-</u>	<u>-</u>	<u>-</u>	<u>3,000.00</u>

TOTAL EXPENDITURES 361,437.32 242,374.22 2,415,137.95 6,236,500.00

EXCESS OF REVENUES OVER (UNDER) EXPENDITURES (263,716.52) 514,723.11 (431,824.58) (2,111,000.00)

		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	245,512.27	579,180.84	697,702.92
First National Bank - Certificate Fund	Bond & Int	CLOSED	CLOSED	708,083.29
First National Bank - Depreciation Account	Construction	2,800,422.85	2,803,748.98	2,749,254.33
First National Bank - Surplus Funds	Construction	10,516.53	132,005.87	5,175.26
First National Bank - Bond & Interest Fund	Bond & Int	929,123.01	932,573.98	902,982.83
First National Bank - Sinking Fund	Bond & Int	1,320,515.61	1,336,504.29	1,259,762.88
Algonquin Bank & Trust - Cash Mgr.	O&M	1,600,153.36	1,634,636.36	1,230,076.74
Algonquin Bank & Trust - Operating	O&M	0.00	443.00	397.00
Credit Cards	O&M	(1,219.24)	(1,121.51)	(2,222.08)
		<u>6,905,024.39</u>	<u>7,417,971.81</u>	<u>7,551,213.17</u>

TOTAL ENDING CASH AND INVESTMENTS 6,905,024.39 7,417,971.81 7,551,213.17
SEWERAGE FUNDS

LAKE IN THE HILLS SANITARY DISTRICT
MONTHLY TREASURER REPORT - GOVERNMENTAL FUNDS
 Month of October, 2022

	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	\$ 1,418,898.76	\$ 1,677,047.93	\$ 1,217,089.48
Credit Cards	-	-	-
TOTAL BEGINNING CASH AND INVESTMENTS	1,418,898.76	1,677,047.93	1,217,089.48

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Revenues and Receipts				
Real Estate Taxes				
General Fund	158,858.52	3,475.90	352,323.95	355,000.00
Audit Fund	5,371.42	117.54	11,913.01	12,000.00
Chlorination Fund	7.70	0.17	17.09	10.00
Liability Insurance Fund	33,562.18	734.36	74,435.81	75,000.00
Social Security Fund	29,089.83	636.52	64,516.82	65,000.00
Revenue Recapture Fund	285.26	6.24	632.65	-
Retirement Fund	69,360.54	1,517.65	153,831.11	155,000.00
Replacement Taxes	-	1,260.15	3,602.13	-
Rebates, Refunds or Grants Received	-	-	2,413.00	-
Interest Income	779.87	1,560.90	3,688.10	1,000.00
TOTAL REVENUES AND RECEIPTS	297,315.32	9,309.43	667,373.67	663,010.00

Expenditures

GENERAL FUND

PERSONNEL SERVICES

Salaries of Trustees, Manager, Treasurer & Clerk

15,804.85	15,392.03	94,888.09	210,000.00
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CONTRACTUAL SERVICES

Professional Engineering

624.00	2,910.00	12,774.00	65,000.00
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Legal Services

860.00	492.50	3,365.30	25,000.00
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Other Professional Services

-	-	580.00	5,000.00
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1,484.00	3,402.50	16,719.30	95,000.00
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ADMINISTRATIVE EXPENSES

Printing, Publications

-	934.88	2,383.40	4,500.00
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Office Supplies, Equipment

-	-	45.00	2,500.00
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Postage

-	-	-	1,000.00
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Treasurer's Bond

-	-	-	4,000.00
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Community Affairs

-	292.50	292.50	1,000.00
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Memberships and Dues

-	-	10.00	4,000.00
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-	1,227.38	2,730.90	17,000.00
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OPERATING EXPENSES

Building and Grounds Upkeep

1,529.00	-	3,428.99	15,000.00
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Utilities

374.56	561.80	6,015.00	40,000.00
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J.U.L.I.E.

-	-	-	3,000.00
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Training and Education

-	-	200.00	3,000.00
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Travel Expenses

-	-	-	2,000.00
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Computer Hardware, Software & Support

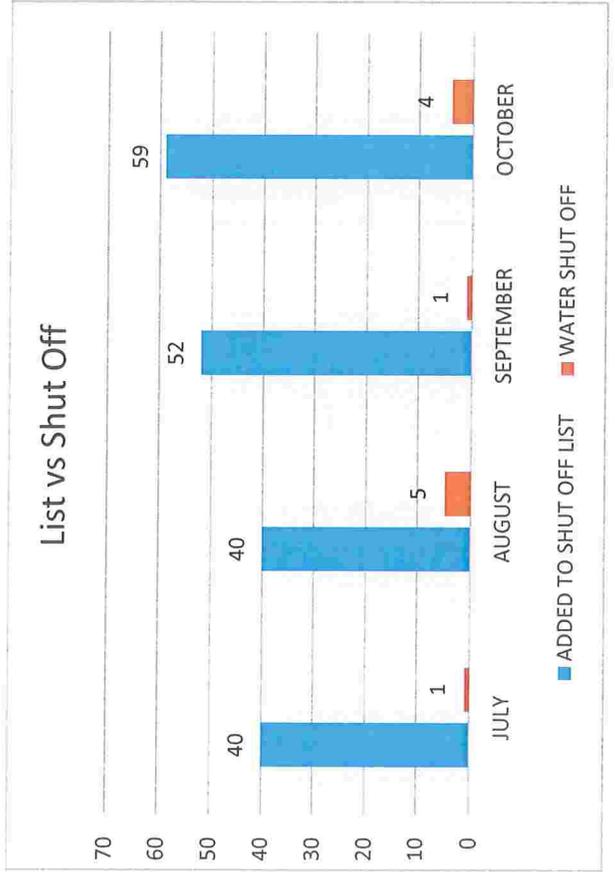
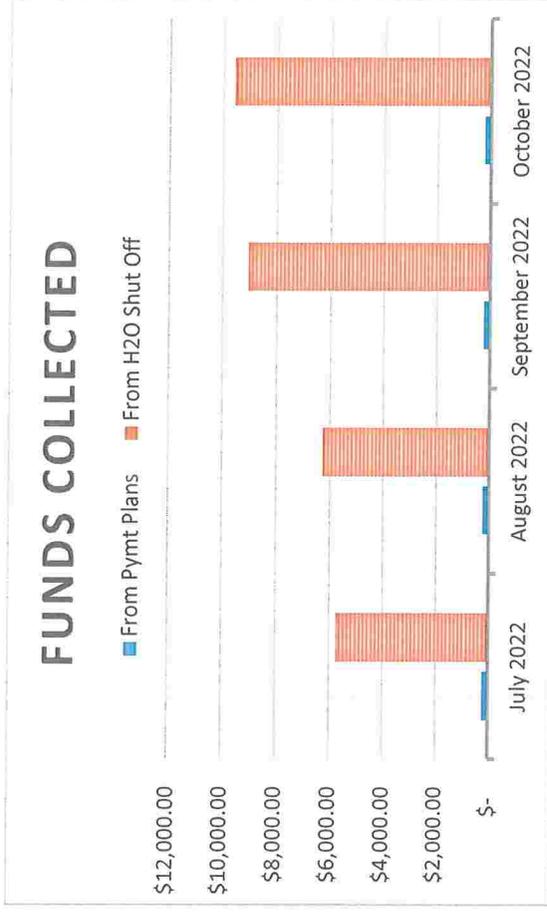
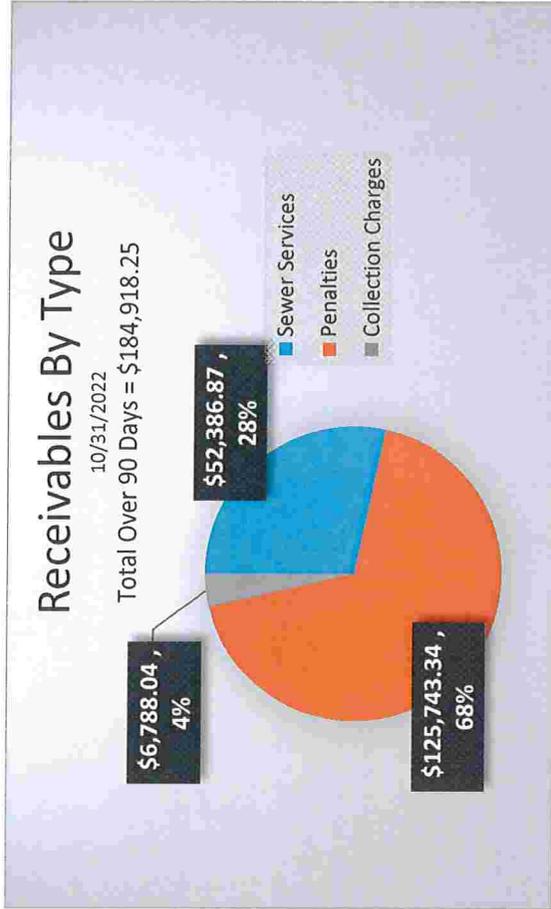
275.00	337.54	887.54	7,000.00
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2,178.56	899.34	10,531.53	70,000.00
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	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
CONTINGENT AND MISCELLANEOUS EXPENSES				
Not Otherwise Appropriated	-	150.00	150.00	1,000.00
	-	150.00	150.00	1,000.00
TOTAL GENERAL FUND	19,467.41	21,071.25	125,019.82	393,000.00
Expenditures (continued)				
CHLORINATION FUND	4,306.50	6,057.10	14,537.78	35,000.00
	4,306.50	6,057.10	14,537.78	35,000.00
AUDIT FUND	-	-	-	15,000.00
	-	-	-	15,000.00
PUBLIC LIABILITY INSURANCE FUND				
Workers' Compensation	-	-	8,450.00	30,000.00
Administrative Fee	-	-	254.00	1,000.00
Property	-	-	-	45,000.00
Vehicles	-	-	-	15,000.00
General Liability	-	-	-	74,000.00
	-	-	8,704.00	165,000.00
SOCIAL SECURITY FUND	5,277.03	4,913.72	31,302.46	70,000.00
IMRF FUND	10,115.21	9,403.49	59,987.29	155,000.00
OTHER EXPENDITURES (RECEIPTS)	-	-	-	-
	-	-	-	-
TOTAL EXPENDITURES	39,166.15	41,445.56	239,551.35	833,000.00
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES	258,149.17	(32,136.13)	427,822.32	(169,990.00)
Ending Cash and Investments				
	BANK BAL AT END OF THE PRIOR MONTH	BANK BAL AT END OF THE CURRENT MONTH	BANK BALANCE AT THE END OF MAY	
First National Bank	\$ 1,677,047.93	\$ 1,644,849.34	\$ 1,232,842.78	
Credit Cards	-	(337.54)	-	
TOTAL ENDING CASH AND INVESTMENTS	1,677,047.93	1,644,511.80	1,232,842.78	

Accounts Receivable Analysis

October 2022



Monthly Shut Off Summary

Lake in the Hills

- 4 shut off – All pd in full post shut off.

Huntley

- None.

Crystal Lake

- None.

**LITH SANITARY DISTRICT
Bills Paid Prior To Meeting
November 17, 2022 Meeting Date**

Name	Memo	Amount
Governmental Funds		
NONE		\$ -
TOTAL GOVERNMENTAL BILLS PAID PRIOR TO MEETING		\$ -
O & M Funds		
TAS United	Emergency Communications	\$ 100.00
Verizon Wireless	Emergency Communications	\$ 398.94
TOTAL O & M BILLS PAID PRIOR TO MEETING		\$ 498.94

**LITH SANITARY DISTRICT
Recurring Bills
November 17, 2022 Meeting Date**

Name	Memo	Amount
Governmental Funds		
United States Treasury	District Pd Payroll Taxes (SS & Med)	\$ 4,913.72
Illinois Municipal Retirement Fund	Employer Portion of IMRF-October 2022	\$ 9,403.49
TOTAL GOVERNMENTAL RECURRING BILLS		\$ 14,317.21
O & M Funds		
Blue Cross Blue Shield	Medical Insurance Premiums (for October 2022)	\$ 19,910.92
First National Bank PayMaker/Bill.com	Pro Svs - PayMaker/ Bill.com (for September 2022 payments)	\$ 73.73
Humana	Specialty Insurance Premiums (for October 2022)	\$ 1,368.47
TOTAL O & M RECURRING BILLS		\$ 21,353.12

Approved _____

President Reed

**LITH SANITARY DISTRICT - Governmental Fund
Bills Presented to Board for Approval
November 17, 2022 Meeting**

Name	Memo		
GOVERNMENTAL FUND BILLS			
Applied Technologies	Engineering thru 10/25/22	\$	3,318.00
Costco Wholesale	Memberships & Dues	\$	60.00
Countryside Garden Center	Contingent & Misc - NOA, Sympathy Flowers	\$	93.00
First National Bank of Omaha - Visa	Computer Expenses	\$	337.54
Frisbie-Lohmeyer Insurance	Insurance - Property, G/L, Vehicles	\$	58,810.00
Frisbie-Lohmeyer Insurance	Admin Exp - Treasurer Bond	\$	3,000.00
Hawkins Inc	Chlorination - Alum Sulfate	\$	2,316.30
Hawkins Inc	Chlorination - Alum Sulfate	\$	1,599.50
Hawkins Inc	Chlorination - Alum Sulfate	\$	1,757.60
Storino Ramello & Durkin	Legal - September 2022	\$	641.25
Turf Care Enterprises Inc	Bldgs & Grounds Upkeep	\$	925.00
Vanguard Energy	Utilities	\$	1,951.32
TOTAL GOVERNMENTAL FUND BILLS		\$	74,809.51

**LITH SANITARY DISTRICT - O&M/Sewerage Fund
Bills Presented to Board for Approval
November 17, 2022 Meeting**

Name	Memo		Amount
O & M BILLS			
Abbott Rubber Company Inc	Maint/Repair - Coll Sys	\$	116.39
Alarm Detection Systems	Emergency Communications	\$	93.96
Applied Technologies	Engineering - 22-01 Front Drive Pavement CEI	\$	5,514.00
Applied Technologies	Engineering - 22-02 Sludge Storage Building Modifications	\$	1,248.00
AutoZone, Inc.	Maint/Repair - Plant Vehicles, Battery Charger	\$	89.99
AutoZone, Inc.	Operating Supplies - Small Tools, Ratchets	\$	42.48
AutoZone, Inc.	Maint/Repair - Plant Vehicles, Spark Plugs	\$	13.96
Calco	Operating Supplies - Lab	\$	297.00
Central Tree & Landscape Mulch LLC	Bldgs & Grounds Maint, Tree & Brush Cleaning Fence Perimeter	\$	13,750.00
Cintas Corporation #355	Operating Supplies - Personnel	\$	653.75
Consolidated Electrical Distributors, Inc	Maint/Repair - Plant	\$	70.07
Constellation New Energy Inc	Utilities - Pyott	\$	210.94
Constellation New Energy Inc	Utilities - Plant	\$	10,388.33
Constellation New Energy Inc	Utilities - Concord	\$	440.50
Constellation New Energy Inc	Utilities - Decatur	\$	1,004.50
Constellation New Energy Inc	Utilities - Beach	\$	43.60
Constellation New Energy Inc	Utilities - Dam	\$	158.78
Constellation New Energy Inc	Utilities - Meadowbrook	\$	117.12
Element Materials Tech Daleville LLC	Pro Svs - Lab	\$	828.10
First National Bank of Omaha - Visa	M/R - Plant, Operating Supplies, Pro Svs, Computer Exp, Telephone	\$	1,179.47
Flood Brothers Disposal & Recycling	Buildings & Grounds - November 2022 Trash Svs	\$	361.92
Fox Valley Fire & Safety	Pro Svs - Extinguishers	\$	1,622.66
Green Guerrilla LLC	Pro Svs & Upgrades - Tree & Shrub Planting N & E Fence Line - Invoice 1 of 2	\$	3,040.00

Green Guerrilla LLC	Pro Svcs & Upgrades - Tree & Shrub Planting N & E Fence Line - Invoice 2 of 2	\$	3,040.00
Green Guerrilla LLC	Pro Svcs & Upgrades- Clean Up Brush/Cuttings & Amend Soil N Fence Line	\$	1,455.00
Green Guerrilla LLC	Pro Svcs & Upgrades- 3 Year Maintenance Agreement	\$	4,230.00
Green Guerrilla LLC	Pro Svcs & Upgrades- Clean Up Brush/Cuttings & Amend Soil E Fence Line	\$	775.00
Hach Company	Operating Supplies - Lab	\$	230.53
Hach Company	Operating Supplies - Lab	\$	321.00
Harrell & Son's Lawn Maintenance	Grounds Upkeep - October Mowing	\$	1,200.00
Logsdon Office Supply	Office Supplies	\$	435.47
M&A Precision Truck Repair	Maint/Repair Plant Vehicles, Vector Inspection	\$	36.00
McHenry County Recorder	Collection Expenses - October	\$	11.50
Mid-South Imaging LLC	Collection Expenses	\$	333.95
PetroChoice LLC	Operating Supplies - Oil	\$	1,127.95
PetroChoice LLC	Gas/Fuel	\$	733.73
RES Great Lakes	Pro Svcs & Upgrades, Turf to Prairie Conversion	\$	470.00
Synagro-WWT, Inc.	Sludge Management - October	\$	8,400.00
Technology Masters Inc	Computer Exp - Malware Scans	\$	193.50
Technology Masters Inc	Computer Exp - Maintenance	\$	516.50
TEKLAB, INC	Pro Svcs - Lab	\$	295.20
TEKLAB, INC	Pro Svcs - Lab	\$	148.00
TEKLAB, INC	Pro Svcs - Lab	\$	148.00
TEKLAB, INC	Pro Svcs - Lab	\$	148.00
Village of Lake In The Hills	Collection Exp - Water Shut Off Fees 10/25/22	\$	262.50
Warehouse Direct	Pro Svcs - Copies	\$	35.64
Ziegler's Ace Hardware	Operating Supplies - October	\$	283.07

TOTAL O&M FUND BILLS

\$ 66,116.06

BOND & INTEREST FUND BILLS

Ehlers & Associates	Admin Fees 2014 Bonds - Continuing Disclosures	\$	850.00
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TOTAL BOND & INTERST FUND BILLS

\$ 850.00

GRAND TOTAL OF ALL BILLS PRESENTED FOR APPROVAL IS \$177,944.84 OF WHICH \$89,126.72 IS FROM THE GOVERNMENTAL FUNDS, \$87,968.12 IS FROM THE OPERATIONS AND MAINTENANCE FUNDS, \$0.00 IS FROM THE CONSTRUCTION FUNDS, AND \$850.00 IS FROM THE BOND AND INTEREST FUNDS.

Approved _____

President Reed

MANAGER'S REPORT

Month of October, 2022

Customers

	CURRENT	12/MO TOTAL	Data for Oct 2021
Total accounts:	11,756		
New Customers:	1	11	1
Connections:	2	13	1
Permits Issued:	1	12	3
Permits Issued Past 13 Months:	15		
Total Permits Issued to Date:			
<i>Residential:</i>	10,116		
<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
10/3/2022	965 Viewpoint	gurgling sound in plumbing	no
10/13/2022	1501 Jefferson Street	basement backup	yes

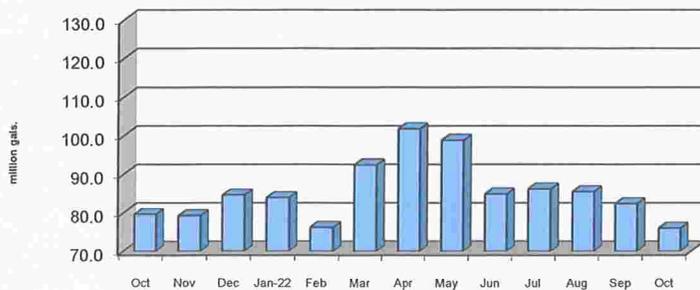
COLLECTION SYSTEM ACTIVITIES

James televised 2,903' of sewer.
John and Rene cleaned and root cut 3,200' of sewer.

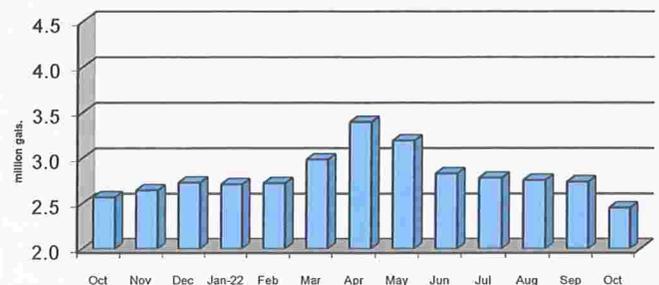
FLOW

Total Effluent Flow for Month:	75.993	million gallons
Average Daily Flow:	2.451	mgd
Maximum Daily Flow:	2.816	mgd
Precipitation Total:	1.73	inches
Precipitation This Month Last Year:	8.78	inches
Septage Accepted:	626,108	gallons

Total Monthly Flows



Monthly Average Daily Flows



MANAGER'S MONTHLY REPORT

October 2022

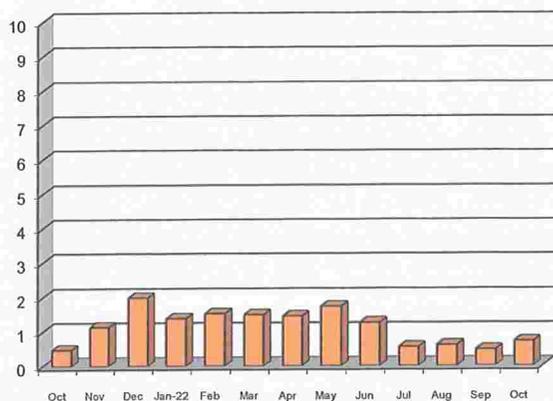
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TREATMENT PLANT OPERATIONS

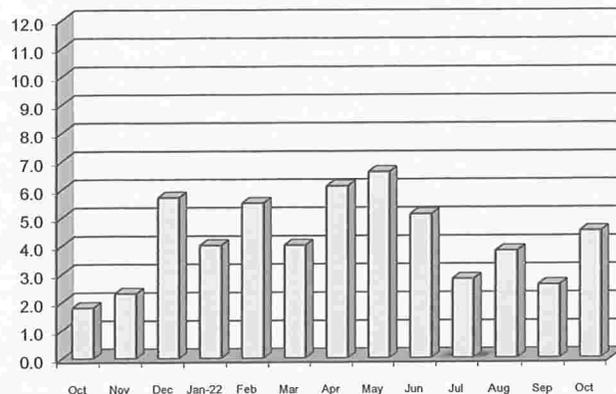
	<u>Average in</u>	<u>Average out</u>	<u>Average % reduction</u>
BOD/CBOD	209 mg/L	0.7 mg/L	99.7%
Total Suspended Solids:	405 mg/L	4.5 mg/L	98.9%
Ammonia Nitrogen:	21.8 mg/L	0.3 mg/L	98.5%
Phosphorus:		0.11 mg/L	
Fecal Coliform:		613 MPN	

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:	2.185 million gallons
Decanted:	0.189 million gallons
Thickened:	1.699 million gallons
To Digester:	0.954 million gallons
Pressed:	0.915 million gallons

PERSONNEL ACTIVITIES

John and Rene attended an ISAWWA pump class on October 4, 2022, in Aurora.

Respectfully submitted,

Tamara C. Mueller
District Manager



Date: November 15, 2022 **Project #:** 6515
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 2022 District Engineer's Report
Cc: Karen Thompson – District Clerk/Treasurer

1. Front Entrance Drive Reconstruction

- a. Contractor provided their Certified Payroll on November 11, 2022 and the District sent out the payment that was approved at the October Board Meeting on November 14, 2022

2. Barium Discharge Limits

- a. We are proceeding with a submittal to US EPA for a local limit on Barium.

3. Task Order No. 22-02 – Sludge Storage Building Modifications

- a. Contractor has not sent the proposed schedule yet, but anticipates starting in early 2023.

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

- a. No update at this time.

5. Lake in the Hills Master Water/Sewer Plan

- a. No update at this time.

6. Smoke Testing of Lake Lines

- a. The District smoke tested the sewer near Indian Trail Beach and also televised that section of pipe.
- b. There are several critical defects that need to be corrected in the line:
 - i. One manhole is located in an area that is experiencing shore erosion. At this time the manhole structure is more than 50% visible, and there is indication that the structure has sunk.
 - ii. This has caused the local line to be back pitched.
 - iii. Review of the CCTV of the sewer line indicates several interior corrosion, accumulation of solids, and constant water sitting in the pipe because of the grade.
- c. Working with the District on a plan to rehabilitate the area.