



# 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  
July 21, 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. Approval of Contractor's Application for Payment No. 1 in the amount of \$106,399.88 to Maneval Construction Co. for the Front Entrance Drive Reconstruction.**

**Specific Agenda**

- A. Approval to terminate Lake in the Hills Sanitary District 401(a) Plan.**

**Treasurer's Report**

**Approval of Bills**

**Grand total of all bills presented for approval is \$159,620.26 of which \$22,397.35 is from the Governmental Funds, \$134,313.91 is from the Operations and Maintenance Funds, \$2,409.00 is from the Construction Funds, and \$500.00 is from the Bond and Interest Funds.**

**Manager's Report**

**Operations Update**

**Engineer's Report**

**Attorney's Report**



# 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**  
**July 21, 2022**  
**7:00 p.m.**  
**Page 2**

Unfinished Business

New Business

Adjournment

**Lake in the Hills Sanitary District  
Board of Trustees Regular Meeting Minutes  
June 16, 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, Trustee Russ Ruzanski and Trustee Matt Irsay.

Also in attendance at the Sanitary District offices were District Manager Tamara Mueller, District Engineer Bob Doeringsfeld of Applied Technologies, District Attorney Ann Williams of Storino, Ramello & Durkin and District Treasurer/Clerk Karen Thompson. Assistant District Manager, Mike Nelson, was absent.

**Approval of Minutes:**

Motion was made by Trustee Ruzanski and seconded by Trustee Irsay to approve the minutes of the Regular Board Meeting of May 19, 2022 as presented. On a roll call vote, President Reed and Trustees Ruzanski and Irsay voted aye.

**Public Comments:**

None.

**Consent Agenda:**

- A. Approval of Task Order No. 22-02 in the amount of \$49,136 for the Sludge Storage Building Modification.
- B. Approval of Geotechnical Services in the amount of \$750 to Conrad DeLatour & Associates, Inc. for the Sludge Storage Building Modification.

Motion was made by Trustee Irsay and seconded by Trustee Ruzanski to approve the Consent Agenda as presented. On a roll call vote, President Reed and Trustees Ruzanski and Irsay voted aye to approve the Consent Agenda as presented (Items A and B).

**Specific Agenda:**

- A. Approval to waive bid requirement for Crystal Creek Reach 7 Project.

Motion was made by President Reed for approval to waive the bid requirement for Crystal Creek Reach 7 Project (Item A). Motion was seconded by Trustee Ruzanski.

District Manager stated that she had a meeting with McHenry County Conservation District (MCCD) and Resource Environmental Solutions (RES). MCCD owns two of the lots and they wish to keep those so they can have access to the fen. They agree that it is a great project and offered some suggestions regarding the plants. MCCD asked the District Manager to write a letter they can present to their Board for approval. We also received a recommendation letter from Fox River Ecosystem Partnership (FREP) that will be included with the grant application. Additionally, the school in our area that was going to

**Lake in the Hills Sanitary District  
Board of Trustees Regular Meeting Minutes  
June 16, 2022**

apply for the same grant may be holding off, therefore, potentially increasing our chances of being approved.

On a roll call vote, President Reed and Trustees Ruzanski and Irsay voted aye to waive the bid requirement for Crystal Creek Reach 7 Project (Item A).

**Treasurer's Report:**

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

She stated that there is a new property tax revenue fund called Revenue Recapture. This was automatically given to us and according to the County it is essentially a rebate from the Property Tax Appeal Board (PTAB)/other adjustments that occurred between November 2020 and November 2021.

Motion was made by Trustee Ruzanski, seconded by Trustee Irsay, to approve the May 2022 Treasurer's reports. 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 Ruzanski and seconded by Trustee Irsay to approve the List of Bills for payment totaling \$934,946.15 of which \$20,755.68 is from the Governmental Funds, \$214,981.78 is from the Operations and Maintenance Funds, \$4,653.22 is from the Construction Funds, and \$694,555.47 is from the Bond and Interest Funds.

The motion passed after a roll call vote; President Reed and Trustees Ruzanski and Irsay voted aye.

**Manager's Report:**

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

There was one emergency call out in May which was related to odor. This was from a nearby resident and appears to be from some experimentation we have been doing with the VLR.

District Manager provided additional information on the graphs that are on her report. These graphs are designed to reflect the Districts limits for each category. She further added that our solids have been increasing because we have not been using our sand filters as they are not operating very well.

One of our maintenance technicians resigned. This opening will be posted soon.

Motion was made by President Reed, seconded by Trustee Ruzanski to approve the May 2022 Manager's report. On a roll call vote, President Reed and Trustees Ruzanski and Irsay voted aye.

**Lake in the Hills Sanitary District  
Board of Trustees Regular Meeting Minutes  
June 16, 2022**

**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 – Maneval Construction applied the first course of asphalt on June 14, 2022. The base held up very well, which means this project will come in under budget. The existing ADA spot did not meet the standards. It was decided to move the previous ADA spot to the east side of the Administration building. Approximately 300 square feet of sidewalk will need to be replaced to meet the cross-slope requirements for an accessible route. There is currently a labor strike at the three aggregate pits in the area which is causing a shortage of concrete. District Engineer wants to get the sidewalk completed before Maneval applies the final surface course of asphalt to ensure that the new asphalt won't need to be patched.
- 2) Barium Discharge Limits – Village of Huntley has resumed usage of Well No. 8 which has barium in it. The figures that the Village provided did not match previous information. We are re-requesting a full month's well usage data and concentration of barium in the backwash and the finished water. ATI has developed a "backbone" they can use to go to the IEPA if needed, but they are trying to get accurate numbers.
- 3) Village of Lake in the Hills – ATI is responding to a request for information regarding sewers and mapping for the airport development.
- 4) Task Order 22-02 – This was approved tonight. District facilities require additional sludge storage volume and the District Manager would like to have this project completed this year. They are hoping that the concrete shortage does not delay this project. Conrad DeLatour & Associates will review existing subsurface conditions to provide structural design basis. ATI is planning to bid this project on August 15<sup>th</sup> and award it at the August Board meeting. Construction could then start right after Board approval.

**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. Trustee Irsay seconded. The motion passed after a verbal vote. All Board members who were present voted aye.

**Lake in the Hills Sanitary District  
Board of Trustees Regular Meeting Minutes  
June 16, 2022**

The meeting was adjourned at 7:33pm.

Respectfully Submitted,



Karen Thompson,  
District Clerk

APPROVED this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

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President Reed

July 15, 2022



Lake in the Hills Sanitary District  
515 Plum Street  
Lake in the Hills, Illinois 60156

Re: Front Entrance Drive Reconstruction  
Maneval Construction Company Pay Application No. 1

Dear Lake in the Hills Sanitary District Board of Trustees:

Maneval Construction Company. has submitted the attached invoice for Pay Request #1, for the Lake in the Hills Sanitary District Front Entrance Drive Reconstruction project. We have reviewed the work and invoice and recommend approval of the payment in the amount of **\$106,399.88**. We have received the lien waiver and certified payroll for Pay Application No. 1, and they are attached.

The recommended approved payment includes holding a retainage of \$5,599.99. Work items included in this invoice are pavement removal, base repair, preparation of base, HMA binder course, concrete gutter, erosion control, and electrical conduit and pull boxes.

Please call if you have any questions or comments regarding the above.

Sincerely,

Applied Technologies, Inc.



Robert Doeringsfeld, P.E., District Engineer

Attachments

cc: Tamara Mueller, Lake in the Hills Sanitary District



**Progress Estimate - Unit Price Work**

**Contractor's Application**

For (Contract): Front Entrance Drive Reconstruction Application Number: I  
 Application Period: Jun-22 Application Date: 6/23/2022

Bid Item No.	Item Description	Contract Information			B	C	D	E	F	
		Item Quantity	Units	Unit Price					Total Value of Item (\$)	Total Completed and Stored to Date (D + E)
1	Pavement Removal	3,800	SY	\$4.97	\$ 18,886.00	3,800	\$18,886.00	\$18,886.00	100.0%	
2	Earth Excavation	22.5	CY	\$30.31	\$ 6,819.75					
3	Aggregate Base Repair	1,100	TON	\$36.58	\$ 40,238.00	83.03	\$3,037.24	\$3,037.24	7.5%	\$37,200.76
4	Subgrade Repair	680	TON	\$36.58	\$ 24,874.40					\$24,874.40
5	Triaxial Geogrid	1,600	SY	\$4.07	\$ 6,512.00	284.40	\$1,157.51	\$1,157.51	17.8%	\$5,354.49
6	Geotextile Fabric	500	SY	\$0.80	\$ 400.00					
7	Preparation of Base	3,800	SY	\$0.59	\$ 2,242.00	3,800	\$2,242.00	\$2,242.00		
8	Hot-Mix Surface Removal-Butt Joint	16	SY	\$14.16	\$ 226.56					
9	Hot Mix Asphalt Binder Course, 1 1/2-1.9, N50	720	TON	\$87.91	\$ 63,295.20	640.87	\$56,338.88	\$56,338.88	89.0%	\$6,956.32
10	Bituminous Materials (Prime Coat)	9000	LBS	\$0.15	\$ 1,350.00	2,050	\$307.50	\$307.50	22.8%	\$1,042.50
11	Hot-Mix Asphalt Surface Course, Mix "D", N50	475	TON	\$102.07	\$ 48,483.25					
12	Concrete Gutter, 24" Detail 02998	170	LF	\$47.25	\$ 8,032.50	174	\$8,221.50	\$8,221.50	102.4%	-\$189.00
13	Manhole Chimney Reconstruction, including Replacement of	11	EACH	\$1,711.00	\$ 18,821.00	9	\$15,399.00	\$15,399.00	81.8%	\$3,422.00
14	Thermoplastic Pavement Marking - Line 4"	160	LF	\$17.70	\$ 2,832.00					
15	Thermoplastic Pavement Marking - Letters and Symbols	4	SF	\$189.00	\$ 756.00					
16	Electrical Conduit, including Tracer Wire	35	LF	\$122.85	\$ 4,299.75	35	\$4,299.75	\$4,299.75	100.0%	
17	Electrical Pull Boxes	2	EACH	\$840.00	\$ 1,680.00	2	\$1,680.00	\$1,680.00	100.0%	
18	Articulating Concrete Block, 30-S Open-Cell Block, hand	680	SF	\$30.00	\$ 20,400.00					
19	Erosion Control, including 99-C-2 and Special Provisions	1	LS	\$1,050.00	\$ 1,050.00	41%	\$430.50	\$430.50		\$619.50
20	Landscape Restoration, including Seeding, Class 1A	0.2	ACRE	\$6,825.00	\$ 1,365.00					
<b>Totals</b>					\$272,563.41		\$111,999.88	\$111,999.88	41.1%	\$160,563.53

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

		BANK BALS AT BEGINNING OF PRIOR MONTH	BANK BALS AT BEGINNING OF THE CURRENT MONTH	BANK BALS AT THE BEGINNING OF THE FY
<b>Beginning Cash and Investments</b>				
First National Bank - O & M Account	O&M	1,083,680.95	697,702.92	1,083,680.95
First National Bank - Certificate Fund	Bond & Int	37,516.54	708,083.29	37,516.54
First National Bank - Depreciation Account	Construction	2,740,847.71	2,749,254.33	2,740,847.71
First National Bank - Surplus Funds	Construction	23,994.73	5,175.26	23,994.73
First National Bank - Bond & Interest Fund	Bond & Int	836,953.89	902,982.83	836,953.89
First National Bank - Sinking Funds	Bond & Int	1,244,940.58	1,259,762.88	1,244,940.58
Algonquin Bank & Trust - Cash Mgr	O&M	1,873,882.90	1,230,076.74	1,873,882.90
Algonquin Bank & Trust - Operating	O&M	1,468.00	397.00	1,468.00
Credit Cards		(875.73)	(2,222.08)	(875.73)
<b>TOTAL BEGINNING CASH AND INVESTMENTS</b>		<b>7,842,409.57</b>	<b>7,551,213.17</b>	<b>7,842,409.57</b>
<b>SEWERAGE FUNDS</b>				

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
<b>Revenues and Receipts</b>				
Sewer Bill Income/User Charges	72,048.50	39,872.92	111,921.42	3,600,000.00
Septage Income	33,281.34	24,237.00	57,518.34	350,000.00
Wastewater Discharge Income	3,466.02	3,579.48	7,045.50	65,000.00
Customer Refunds	(2,827.08)	(345.60)	(3,172.68)	-
Connection/Tap-On Fees	-	10,400.00	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	2,228.50	-	2,228.50	-
Interest Income	1,462.36	1,855.92	3,318.28	5,000.00
<b>TOTAL REVENUES AND RECEIPTS</b>	<b>109,659.64</b>	<b>79,599.72</b>	<b>189,259.36</b>	<b>4,125,500.00</b>

**Expenditures**

**PERSONNEL SERVICES**

District Personnel Salaries	53,276.74	56,348.02	109,124.76	700,000.00
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**ADMINISTRATIVE EXPENSES**

Telephone	206.25	206.25	412.50	3,000.00
Postage	697.29	4,030.27	4,727.56	20,000.00
Printing and Publications	-	-	-	2,000.00
Office Supplies	691.65	793.71	1,485.36	7,500.00
Billing and Collection Expenses	9,539.52	4,781.05	14,320.57	75,000.00
Professional Services	192.17	173.37	365.54	5,000.00
Training, Travel and Education	40.00	479.78	519.78	7,000.00
Computer Hardware, Software, and Support	1,143.16	986.69	2,129.85	25,000.00
Community Affairs	47.03	13.44	60.47	2,000.00
Medical and Life Insurance	20,549.47	20,549.47	41,098.94	275,000.00
	<b>33,106.54</b>	<b>32,014.03</b>	<b>65,120.57</b>	<b>421,500.00</b>

**OPERATIONS AND MAINTENANCE**

Operating Supplies	3,215.48	3,196.60	6,412.08	60,000.00
Maintenance and Repair (Plant)	1,200.25	1,727.19	2,927.44	150,000.00
Maintenance and Repair (Collection Systems)	1,463.99	1,066.83	2,530.82	300,000.00
Utilities and Energy	26,625.35	26,885.85	53,511.20	400,000.00
Grounds Upkeep	4,400.00	1,200.00	5,600.00	30,000.00
Gasoline/Oil	666.39	818.99	1,485.38	20,000.00
Computer and Support Services	-	-	-	2,000.00
Emergency Communications	983.31	1,039.41	1,931.01	40,000.00

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Sludge Management	34,791.95	34,344.30	69,136.25	225,000.00
Professional Services	3,150.80	1,517.80	4,668.60	35,000.00
Residential Reimbursement	-	3,549.45	3,549.45	10,000.00
Compliance Requirements/Permits	-	-	-	30,000.00
GIS	-	-	-	10,000.00
	<u>76,497.52</u>	<u>75,346.42</u>	<u>151,752.23</u>	<u>1,312,000.00</u>

**Expenditures (continued)**

**CAPITAL IMPROVEMENTS**

New Construction	33,820.64	4,653.22	38,473.86	1,500,000.00
Plant Equipment	-	107,200.18	107,200.18	500,000.00
Collection System	99,586.00	-	99,586.00	500,000.00
Vehicles	101,355.00	-	101,355.00	175,000.00
Legal Expense	-	-	-	5,000.00
Engineering Expense	-	-	-	200,000.00
Bond, Finance Consulting Expense	-	-	-	1,000.00
	<u>234,761.64</u>	<u>111,853.40</u>	<u>346,615.04</u>	<u>2,881,000.00</u>

**BOND TRANSFERS**

2008 Debt Certificates, Principal	-	690,000.00	690,000.00	690,000.00
2008 Debt Certificates, Interest	-	4,555.47	4,555.47	5,000.00
Administration Fees - 2008 Debt Certs	-	-	-	2,000.00
	<u>-</u>	<u>694,555.47</u>	<u>694,555.47</u>	<u>697,000.00</u>

Series 2014 Bond, Principal	-	-	-	120,000.00
Series 2014 Bond, Interest	-	-	-	100,000.00
Administration Fees - 2014 Series Bond	-	-	-	2,000.00
	<u>-</u>	<u>-</u>	<u>-</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** 397,642.44 970,117.34 1,367,168.07 6,236,500.00

**EXCESS OF REVENUES OVER (UNDER) EXPENDITURES** (287,982.80) (890,517.62) (1,177,908.71) (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
<b>Ending Cash and Investments</b>				
First National Bank - O & M Account	O&M	697,702.92	452,882.09	697,702.92
First National Bank - Certificate Fund	Bond & Int	708,083.29	27,058.51	708,083.29
First National Bank - Depreciation Account	Construction	2,749,254.33	2,761,061.70	2,749,254.33
First National Bank - Surplus Funds	Construction	5,175.26	20,524.11	5,175.26
First National Bank - Bond & Interest Fund	Bond & Int	902,982.83	907,700.26	902,982.83
First National Bank - Sinking Fund	Bond & Int	1,259,762.88	1,274,666.30	1,259,762.88
Algonquin Bank & Trust - Cash Mgr.	O&M	1,230,076.74	1,226,291.88	1,230,076.74
Algonquin Bank & Trust - Operating	O&M	397.00	0.00	397.00
Credit Cards	O&M	(2,222.08)	(2,223.78)	(2,222.08)

**TOTAL ENDING CASH AND INVESTMENTS** 7,551,213.17 6,667,961.07 7,551,213.17

**SEWERAGE FUNDS**

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

	BANK BAL AT BEGINNING OF PRIOR MONTH	BANK BAL AT BEGINNING OF THE CURRENT MONTH	BANK BAL AT THE BEGINNING OF THE FY
<b>Beginning Cash and Investments</b>			
First National Bank	\$ 1,217,089.48	\$ 1,232,842.78	\$ 1,217,089.48
Credit Cards	-	-	-
<b>TOTAL BEGINNING CASH AND INVESTMENTS</b>	<b>1,217,089.48</b>	<b>1,232,842.78</b>	<b>1,217,089.48</b>

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
<b>Revenues and Receipts</b>				
Real Estate Taxes				
General Fund	31,528.43	150,111.02	181,639.45	355,000.00
Audit Fund	1,066.06	5,075.66	6,141.72	12,000.00
Chlorination Fund	1.53	7.29	8.82	10.00
Liability Insurance Fund	6,661.05	31,714.09	38,375.14	75,000.00
Social Security Fund	5,773.43	27,488.01	33,261.44	65,000.00
Revenue Recapture Fund	56.61	269.55	326.16	-
Retirement Fund	13,765.90	65,541.22	79,307.12	155,000.00
Replacement Taxes	1,299.53	-	1,299.53	-
Rebates, Refunds or Grants Received	-	0.69	0.69	-
Interest Income	76.90	181.06	257.96	1,000.00
<b>TOTAL REVENUES AND RECEIPTS</b>	<b>60,229.44</b>	<b>280,388.59</b>	<b>340,618.03</b>	<b>663,010.00</b>

**Expenditures**

**GENERAL FUND**

**PERSONNEL SERVICES**

Salaries of Trustees, Manager, Treasurer & Clerk	15,846.98	15,804.85	31,651.83	210,000.00
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**CONTRACTUAL SERVICES**

Professional Engineering	3,168.00	1,482.00	4,650.00	65,000.00
Legal Services	-	647.60	647.60	25,000.00
Other Professional Services	580.00	-	580.00	5,000.00
	<b>3,748.00</b>	<b>2,129.60</b>	<b>5,877.60</b>	<b>95,000.00</b>

**ADMINISTRATIVE EXPENSES**

Printing, Publications	640.70	-	640.70	4,500.00
Office Supplies, Equipment	-	-	-	2,500.00
Postage	-	-	-	1,000.00
Treasurer's Bond	-	-	-	4,000.00
Community Affairs	-	-	-	1,000.00
Memberships and Dues	10.00	-	10.00	4,000.00
	<b>650.70</b>	<b>-</b>	<b>650.70</b>	<b>17,000.00</b>

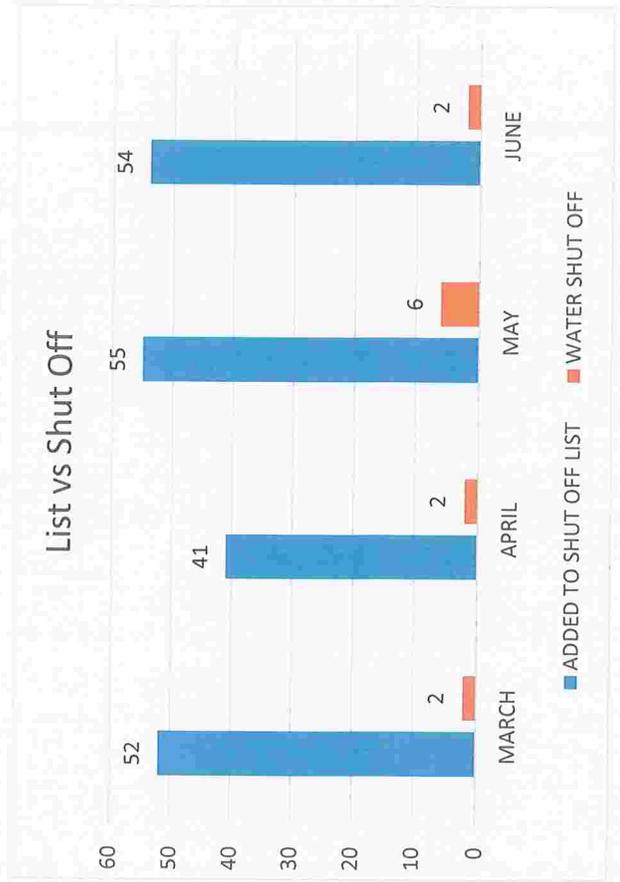
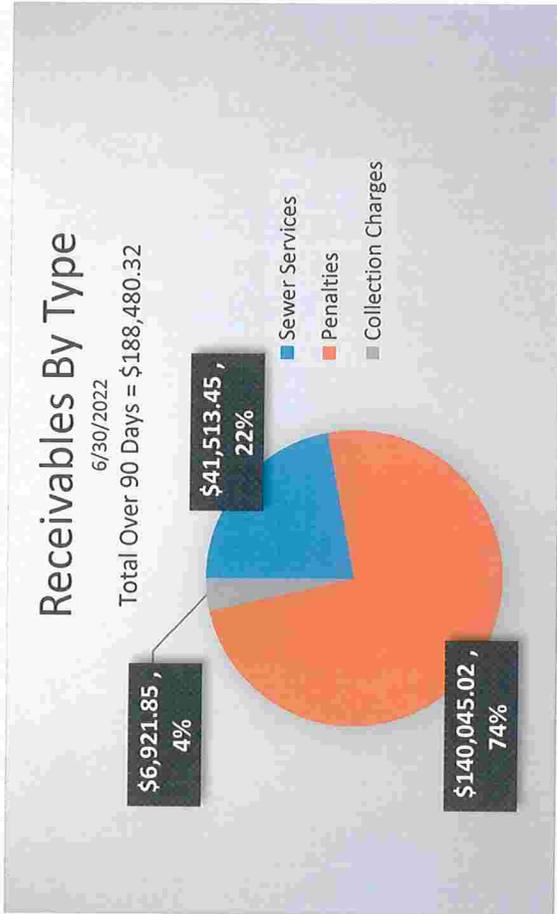
**OPERATING EXPENSES**

Building and Grounds Upkeep	-	925.00	925.00	15,000.00
Utilities	2,943.35	1,295.49	4,238.84	40,000.00
J.U.L.I.E.	-	-	-	3,000.00
Training and Education	-	-	-	3,000.00
Travel Expenses	-	-	-	2,000.00
Computer Hardware, Software & Support	-	275.00	275.00	7,000.00
	<b>2,943.35</b>	<b>2,495.49</b>	<b>5,438.84</b>	<b>70,000.00</b>

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
CONTINGENT AND MISCELLANEOUS EXPENSES				
Not Otherwise Appropriated	-	-	-	1,000.00
	-	-	-	1,000.00
<b>TOTAL GENERAL FUND</b>	<b>23,189.03</b>	<b>20,429.94</b>	<b>43,618.97</b>	<b>393,000.00</b>
<b>Expenditures (continued)</b>				
CHLORINATION FUND	1,623.55	819.03	2,442.58	35,000.00
	1,623.55	819.03	2,442.58	35,000.00
AUDIT FUND	-	-	-	15,000.00
	-	-	-	15,000.00
PUBLIC LIABILITY INSURANCE FUND				
Workers' Compensation	4,225.00	-	4,225.00	30,000.00
Administrative Fee	127.00	-	127.00	1,000.00
Property	-	-	-	45,000.00
Vehicles	-	-	-	15,000.00
General Liability	-	-	-	74,000.00
	4,352.00	-	4,352.00	165,000.00
SOCIAL SECURITY FUND	5,249.71	5,519.70	10,769.41	70,000.00
IMRF FUND	10,061.85	10,590.87	20,652.72	155,000.00
OTHER EXPENDITURES (RECEIPTS)	-	-	-	-
	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>44,476.14</b>	<b>37,359.54</b>	<b>81,835.68</b>	<b>833,000.00</b>
<b>EXCESS OF REVENUES OVER (UNDER) EXPENDITURES</b>	<b>15,753.30</b>	<b>243,029.05</b>	<b>258,782.35</b>	<b>(169,990.00)</b>
<b>Ending Cash and Investments</b>				
First National Bank	\$ 1,232,842.78	\$ 1,475,871.83	\$ 1,232,842.78	
Credit Cards	-	-	-	
<b>TOTAL ENDING CASH AND INVESTMENTS</b>	<b>1,232,842.78</b>	<b>1,475,871.83</b>	<b>1,232,842.78</b>	

# Accounts Receivable Analysis

## June 2022



### Monthly Shut Off Summary

#### Lake in the Hills

- 2 shut off – Both pd in full post shut off.

#### Huntley

- None.

#### Crystal Lake

- None.

**LITH SANITARY DISTRICT  
Bills Paid Prior To Meeting  
July 21, 2022 Meeting Date**

Name	Memo	Amount
<b>Governmental Funds</b>		
NONE		\$ -
<b>TOTAL GOVERNMENTAL BILLS PAID PRIOR TO MEETING</b>		<b>\$ -</b>
<b>O &amp; M Funds</b>		
AT&T	Emergency Communications	\$ 13.58
Element Materials Tech	Pro Svs - Lab, Cake Sludge	\$ 403.30
Metropolitan Industries	Emergency Communications - Metro Cloud	\$ 445.00
Verizon Wireless	Emergency Communications	\$ 389.12
<b>TOTAL O &amp; M BILLS PAID PRIOR TO MEETING</b>		<b>\$ 1,251.00</b>

**LITH SANITARY DISTRICT  
Recurring Bills  
July 21, 2022 Meeting Date**

Name	Memo	Amount
<b>Governmental Funds</b>		
United States Treasury	District Pd Payroll Taxes (SS & Med)	\$ 5,519.70
Illinois Municipal Retirement Fund	Employer Portion of IMRF - June 2022	\$ 10,590.87
<b>TOTAL GOVERNMENTAL RECURRING BILLS</b>		<b>\$ 16,110.57</b>
<b>O &amp; M Funds</b>		
Blue Cross Blue Shield	Medical Insurance Premiums (for June 2022)	\$ 19,110.21
First National Bank PayMaker/Bill.com	Pro Svs - PayMaker/ Bill.com (for May 2022 payments)	\$ 85.67
Humana	Specialty Insurance Premiums (for June 2022)	\$ 1,439.26
Payment Service Network	Collection Expenses from May 2022	\$ 727.20
United States Postal Service	Postage - Mailing of Quarterly Bills	\$ 4,030.27
<b>TOTAL O &amp; M RECURRING BILLS</b>		<b>\$ 25,392.61</b>

Approved \_\_\_\_\_

\_\_\_\_\_  
President Reed

**LITH SANITARY DISTRICT - Governmental Fund  
Bills Presented to Board for Approval  
July 21, 2022 Meeting**

Name	Memo	Amount
<b>GOVERNMENTAL FUND BILLS</b>		
Applied Technologies	Engineering Svcs Through 6/25/22	\$ 3,108.00
Fox Valley Operators Association	Training & Education - FVOA Annual Conference	\$ 200.00
Logsdon Office Supply	Office Supplies & Equipment - Trustee Nameplates	\$ 45.00
Shaw Suburban Media Group	Printing & Publications - Budget	\$ 807.82
Storino Ramello & Durkin	Legal Svcs - May 2022	\$ 717.60
Turf Care Enterprises	Bldgs & Grounds Upkeep - Lawn Program	\$ 925.00
Vanguard Energy	Utilities - June 2022	\$ 483.36
<b>TOTAL GOVERNMENTAL FUND BILLS</b>		<b>\$ 6,286.78</b>

**LITH SANITARY DISTRICT - O&M/Sewerage Fund  
Bills Presented to Board for Approval  
July 21, 2022 Meeting**

Name	Memo	Amount
<b>O &amp; M BILLS</b>		
Applied Technologies Inc	Engineering Exp - Task Order 22-02 Sludge Storage Bldg	\$ 2,088.00
Applied Technologies Inc	Engineering Exp - Task Order 22-01 Front Pavement CEI	\$ 5,922.00
Calco Ltd	Operating Supplies - Lab	\$ 297.00
Cintas Corporation #355	Operating Supplies - Personnel, June 2022	\$ 562.33
Civic Systems LLC	Computer Exp - Semi-Annual Support Fees 7/1-12/31/22	\$ 3,476.00
Consolidated Electrical Distributors, Inc	Maint/Repair - Plant	\$ 217.20
Constellation New Energy Inc	Utilities - Plant	\$ 14,125.62
Constellation New Energy Inc	Utilities - Beach	\$ 43.30
Constellation New Energy Inc	Utilities - Concord	\$ 860.73
Constellation New Energy Inc	Utilities - Decatur	\$ 1,364.14
Constellation New Energy Inc	Utilities - Meadowbrook	\$ 114.34
Constellation New Energy Inc	Utilities - Dam	\$ 344.86
Constellation New Energy Inc	Utilities - Pyott	\$ 245.36
First National Bank of Omaha - Visa	M/R Vehicles, Office Supplies, Intuit Payroll Fees, Computer Exp, Telephone, Oper Supplies	\$ 2,084.78
Flood Brothers Disposal & Recycling Svcs	Bldgs & Grounds - July Trash & Recycling	\$ 361.92
Harrell & Son's Lawn Maintenance	Grounds Upkeep - June Mowing	\$ 1,500.00
Hawkins, Inc	Sludge Mgt - Aqua Hawk	\$ 5,740.70
IDEXX Laboratories	Operating Supplies - Lab	\$ 195.40
IDEXX Laboratories	Operating Supplies - Lab	\$ 2,174.39
Illinois EPA	Permits & Fees - 2022-2023 NPDES Permit	\$ 17,500.00
James Olvera - Reimbursement	Operating Supplies - Personnel, 2022 Clothing Allowance	\$ 42.43
Logsdon Office Supply	Office Supplies	\$ 103.79
Marc Kresmery Construction	Maint/Repair Coll Sys - Manhole Rehab Indian Trl	\$ 2,009.36
Marc Kresmery Construction	Maint/Repair Coll Sys - Concord LS Air Release & Piping	\$ 10,615.60
Marc Kresmery Construction	Maint/Repair Coll Sys - Beach LS Repair Svcs Line In Wet Well from Contractor Error	\$ 1,497.20
Marc Kresmery Construction	Maint/Repair Plant - Replaced Check Valve	\$ 12,425.78
McHenry County Recorder	Collection Expenses - June 2022	\$ 3.50
Menards	Maint/Repair - Plant	\$ 16.98

Menards	Maint/Repair - Plant Vehicles	\$	29.98
Metropolitan Industries, Inc.	Maint/Repair - Plant, Programming & New Screen	\$	925.00
Metropolitan Industries, Inc.	Emergency Communications - Metro Cloud	\$	445.00
Northern Balance & Scale Inc	Pro Svs - Lab, Clean & Calibrate Scales/Balances	\$	250.00
Northern Balance & Scale Inc	Pro Svs - Lab, Calibrate Thermometers, Clean & Calibrate Weights	\$	1,020.00
PetroChoice LLC	Gas/Fuel, ETH87	\$	912.90
PetroChoice LLC	Gas/Fuel, ULS2CLR	\$	4,386.23
PetroChoice LLC	Gas/Fuel, ETH87	\$	798.55
RES Great Lakes LLC	Cap Imprmnts - Pro Svs & Upgrades, Turf to Prairie	\$	3,980.00
Sievert Crane & Hoist	Pro Svs, West Pump Station & Crane	\$	3,554.10
Suburban Laboratories, Inc.	Pro Svs - Lab	\$	1,399.50
TAS United	Emergency Communications	\$	100.00
The Home Depot	Operating Supplies - Small Tools, Garage Jack	\$	139.00
Third Millennium Associates, Inc.	Collection Expenses - Rendering of QU Bills	\$	2,604.22
United Laboratories	Operating Supplies - Foam Cleaner	\$	226.91
Village of Lake In The Hills	Collection Expenses - Water Shut Offs, June	\$	157.50
Warehouse Direct	Pro Svs - Copies	\$	30.49
Water One	Operating Supplies - Personnel, Drinking Water Equipment Rental	\$	22.50
Water Services Co	Pro Svs - Test & Certify RPZ	\$	85.00
Water Services Co	Pro Svs - Test Water Meters	\$	440.00
Whispering Hills	Bldg & Grounds - Topsoil	\$	59.00
Ziegler's Ace Hardware	Operating Supplies - June 2022	\$	171.71

**TOTAL O&M FUND BILLS**

**\$ 107,670.30**

**CONSTRUCTION FUND BILLS**

Conrad De Latour & Associates, Inc	Cap Imprmnts - Pro Svs & Upgrades, Technical Svs for Front Drive Reconstruction	\$	2,409.00
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**TOTAL CONSTRUCTION FUND BILLS**

**\$ 2,409.00**

**BOND & INTEREST FUND BILLS**

Bank of New York Mellon	Admin Fees 2008 Debt Certs - Redemption Notices	\$	500.00
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**TOTAL BOND & INTEREST FUND BILLS**

**\$ 500.00**

GRAND TOTAL OF ALL BILLS PRESENTED FOR APPROVAL IS **\$159,620.26** OF WHICH **\$22,397.35** IS FROM THE GOVERNMENTAL FUNDS, **\$134,313.91** IS FROM THE OPERATIONS AND MAINTENANCE FUNDS, **\$2,409.00** IS FROM THE CONSTRUCTION FUNDS, AND **\$500.00** IS FROM THE BOND AND INTEREST FUNDS.

Approved \_\_\_\_\_

\_\_\_\_\_  
President Reed

# MANAGER'S REPORT

## Month of June, 2022

### Customers

	CURRENT	12/MO TOTAL	Data for Jun 2021
Total accounts:	11,751		
New Customers:	1	10	2
Connections:	0	13	0
Permits Issued:	0	15	1
Permits Issued Past 13 Months:	16		
Total Permits Issued to Date:			
<i>Residential:</i>	10,112		
<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
6/3/2022	1303 Cunat Ct	odors	yes
6/7/2022	1207 Pine St	slow drains	no
6/24/2022	290 Wedgewood Cr	bathroom and laundry not draining	no
6/27/2022	1125 Patton Ave	bathroom not draining	no

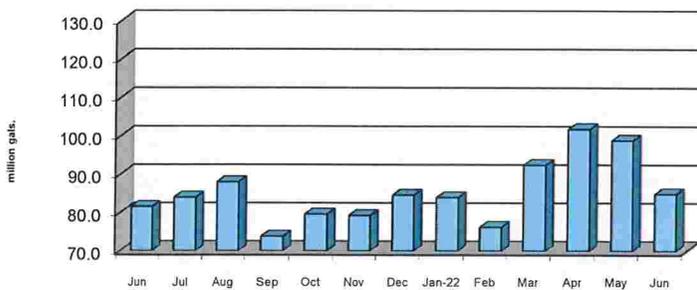
### COLLECTION SYSTEM ACTIVITIES

James televised 4,452' of sewer, mostly in the original part of town.  
 John and Rene root cut 2,400' of sewer.  
 Kresmery Construction repaired one manhole needing rehab.

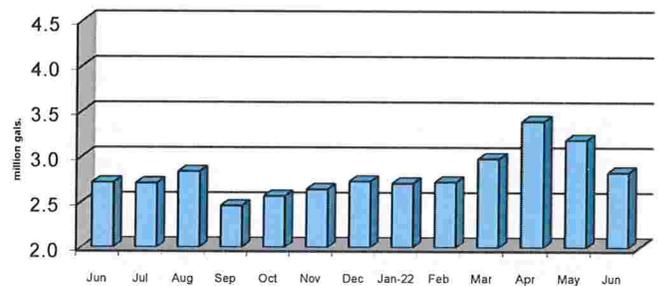
### FLOWS

Total Effluent Flow for Month:	84.894	million gallons
Average Daily Flow:	2.830	mgd
Maximum Daily Flow:	3.848	mgd
Precipitation Total:	3.03	inches
Precipitation This Month Last Year:	5.25	inches
Septage Accepted:	519,390	gallons

**Total Monthly Flows**



**Monthly Average Daily Flows**



# MANAGER'S MONTHLY REPORT

June 2022

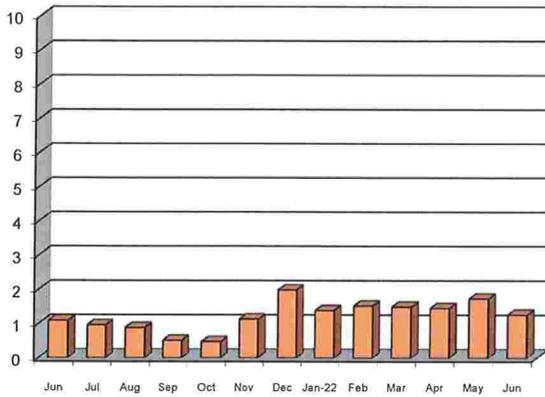
Page 2 of 2

## TREATMENT PLANT OPERATIONS

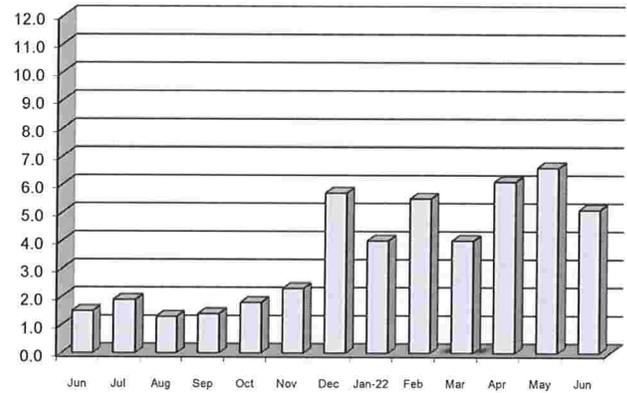
	<u>Average in</u>	<u>Average out</u>	<u>Average % reduction</u>
BOD/CBOD	237 mg/L	1.3 mg/L	99.5%
Total Suspended Solids:	536 mg/L	5.1 mg/L	99.0%
Ammonia Nitrogen:	15.6 mg/L	0.6 mg/L	96.1%
Phosphorus:		0.26 mg/L	
Fecal Coliform:		547 MPN	

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:	3.367 million gallons
Decanted:	0.509 million gallons
Thickened:	2.764 million gallons
To Digester:	1.341 million gallons
Pressed:	1.629 million gallons

## PERSONNEL ACTIVITIES

John, Rene, Dwight, James, and Kyle attended flagger training on 6/2/22.

Respectfully submitted,

Tamara C. Mueller  
District Manager



**Date:** July 19, 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:** July 2022 District Engineer's Report  
**Cc:** Karen Thompson – District Clerk/Treasurer

**1. Front Entrance Drive Reconstruction**

- a. The Contractor, Maneval Construction Co., submitted Pay Application No. 1 for Board Approval. The recommended approval amount is \$106,399.88. This included holding a retainage of \$5,599.99 (5%).
- b. The completion schedule is still being finalized because of the blower piping issue.
- c. Remaining work includes concrete sidewalk replacement in front of main office and the surface course of the pavement.

**2. Blower Air Line**

- a. Staff witnessed the blower air line outside of the controls building/lab was “bubbling” through the binder asphalt after a rain event.
- b. We are currently looking at getting proposals to visually inspect the pipe.
- c. This inspection/repair has resulted in the completion of the pavement work to be slightly delayed. We will work with the District related to scheduling of the inspection, repair, and pavement completion.

**3. Barium Discharge Limits**

- a. Village of Huntley has submitted recent usage data for Well No. 8 on July 6<sup>th</sup> & 7<sup>th</sup>.
- b. The Village sent the District roughly 450,000 gallons of backwash in June 2022 at a concentration between 5.9 mg/L and 4.4 mg/L.
  - i. This equates to an estimated 22 lbs of barium in the month of June in backwash water.
- c. The Village produced 14,442,000 gallons of finished water at a concentration of 0.58 mg/L from Well No. 8.
  - i. This equates to an estimated 70 lbs of barium in the month of June in finished water.
- d. In conclusion, the Village of Huntley sent close to 15,000,000 gallons of water with 92 total pounds of barium, averaging 3.2 lbs/day, slightly over the proposed draft local limit of 3 lbs/day.

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

- a. Working with District staff related to the design basis, IEPA permits, and construction related issues.
- b. IEPA requires 150 days of storage.
  - i. Existing conditions hold about 77 days of storage.
  - ii. Proposed modifications will increase storage to approximately 185 days of storage.

- c. District received the Conrad Delatour geotechnical report related to the new floor slabs and wall design.
- d. Final design of walls and floor is underway.