



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
April 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. Appointment of Tamara Mueller as District Manager, Karen Thompson as District Clerk, Applied Technologies as District Engineers, and Robert Doeringsfeld as District Engineer, Storino, Ramello & Durkin as District Attorneys, and Ann Williams as District Attorney, and George Roach and Associates as District Auditors.**
- B. Approval of salary adjustments as recommended by District Manager.**
- C. Approval of Ordinance No. 413 amending Ordinance No. 408 Regarding the Combined Budget and Appropriations for Fiscal Year May 1, 2021, through April 30, 2022, of the Lake in the Hills Sanitary District.**
- D. Award of the Front Entrance Drive Reconstruction to Maneval Construction Company in the amount of \$272,563.41.**
- E. Approval of inspection and testing services by Conrad DeLatour and Associates of up to \$5,000.00 (estimated amount is \$3,838.00).**
- F. Approval of Task Order No. 22-01 for Front Entrance Drive Construction Engineering and Inspection in the amount of \$29,844.00.**

Specific Agenda

Treasurer'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
April 15, 2022
7:00 p.m.
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Approval of the Bills

Grand total of all bills presented for approval is \$447,806.93 of which \$25,138.83 is from the Governmental Fund, \$107,301.59 is from the Operations and Maintenance Fund, \$9,569.63 is from the Construction Fund, and \$305,796.88 is from the Bond and Interest Fund.

Manager's Report

Draft Budget and Capital Improvements List

2022 Statement of Economic Interest Filing Deadline is May 1st

Engineer's Report

Attorney's Report

Unfinished Business

New Business

Adjournment

**Lake in the Hills Sanitary District
Board of Trustees Regular Meeting Minutes
March 17, 2022**

Pledge of Allegiance

Roll Call:

The regular meeting was called to order by President Hansen at 7:00pm at the Sanitary District offices located at 515 Plum Street. Roll call was answered by President Eric Hansen, Trustee Jessica Reed and Trustee Russ Ruzanski.

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, Engineer Bob Doeringsfeld of Applied Technologies and District Treasurer/Clerk Karen Thompson.

Approval of Minutes:

Motion was made by Trustee Reed and seconded by Trustee Ruzanski to approve the minutes of the Rescheduled Regular Board Meeting of February 24, 2022 as presented. On a roll call vote, President Hansen and Trustees Reed and Ruzanski voted aye.

Public Comments:

President Hansen announced that due to his resignation, this will be the last meeting that he will be attending. His replacement should be approved before our April meeting.

Consent Agenda:

None.

Specific Agenda:

- A. Approval of Plat of Vacation & Plat of Easement, 700 Oak Street, Lake in the Hills, Illinois, future site of Arden Rose Home Care.

Motion was made by Trustee Reed, seconded by Trustee Ruzanski. There was no additional discussion. The motion passed after a roll call vote with President Hansen, Trustee Reed and Trustee Ruzanski voting aye to approve the Plat of Vacation & Plat of Easement, 700 Oak Street, Lake in the Hills, Illinois, future site of Arden Rose Home Care (Item A).

- B. Approval of Resolution 412R, "A Resolution Adopting a Remote Attendance Policy".

Motion was made by Trustee Reed, seconded by Trustee Ruzanski. Trustee Ruzanski asked for additional information and clarification from the attorney. Some additional clarification and discussion took place. The motion passed after a roll call vote with President Hansen, Trustee Reed and Trustee Ruzanski voting aye to approve Resolution 412R, "A Resolution Adopting a Remote Attendance Policy" (Item B).

**Lake in the Hills Sanitary District
Board of Trustees Regular Meeting Minutes
March 17, 2022**

Treasurer's Report:

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

Motion was made by President Hansen, seconded by Trustee Reed, to approve the February 2022 Treasurer's reports. On a roll call vote President Hansen and Trustees Reed and Ruzanski 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 President Hansen and seconded by Trustee Reed to approve the List of Bills for payment totaling \$142,249.18 of which \$27,553.37 is from the Governmental Fund, \$93,429.81 is from the Operations and Maintenance Fund, \$21,266.00 is from the Construction Fund, and \$0.00 is from the Bond and Interest Fund.

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

Manager's Report:

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

There was one emergency call in February where the resident's bathroom fixtures were not draining. There was no property damage. This was due to a block in the main and was resolved once that was cleared.

Kresmery Construction has repaired 25 more manholes as part of our I&I reduction program.

James is almost done with the grease trap inspections.

The IEPA is still unhappy with us about our barium levels even though we have been meeting our limit since November. Tamara, Mike, and an Attorney from Storino, Ramello & Durkin are meeting with a representative from the IEPA to discuss this on Monday.

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

Engineer's Report:

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:

**Lake in the Hills Sanitary District
Board of Trustees Regular Meeting Minutes
March 17, 2022**

- 1) Barium Discharge Limits – There has been no change from the last meeting.
- 2) Treatment Plant Pavement –They plan to go out to bid next week and award at the April meeting.
- 3) Development Reviews – The Arden Rose plat has been approved tonight and will need to be signed by President Hansen. The Village of Lake in the Hills sent over the South Airport Study Area Improvement Schedule. Currently it is going to be a mix of different developments and some research will need to be done to calculate connection fees and monthly charges for each.
- 4) Beach Lift Station – We have received a letter from a resident with concerns from the 2020 Beach Lift Station project. This will be discussed further in New Business.

Attorney's Report:

The statement of economic interest forms have been revised this year and it is creating some confusion. The attorney is in the process of preparing some guidance and can help with any questions.

President Hansen's resignation will be effective once the County appoints his replacement. As the Board Vice President, Trustee Reed will preside over the April meeting. In May the Board will vote for President and Vice President.

Unfinished Business:

None.

New Business:

Engineer Doeringsfeld provided detail on the resident complaint we received related to the Beach Lift Station project. One of the main concerns is that the resident indicated that they had a spruce tree that died. The tree was approximately 10-15 feet off of the construction line, however, there was some soil loss in that area. While the construction was still under way back in 2020, the engineer and contractor were notified that the tree was leaning. At that time the tree was stabilized and the resident was advised that there was a landscape allowance which could be used to replace that tree, however, he never contacted us to request that. A visit to the site today confirmed that the tree is dead.

Additionally, during construction this resident's sewer backed up and this was due to contractor error. At that time, the resident was advised to submit any bills related to this backup so that we could have the contractor reimburse him. At that time, the District was still holding retainage from the contractor which could've been used to reimburse the resident, however, we never received any bills from the resident. This resident had a second backup this past October. We now have a picture which shows that the contractor's correction fixed the immediate issue, but it was not done correctly. Engineer Doeringsfeld plans to contact the contractor about this.

Another issue presented in the resident's complaint was about odor from the vent pipe. We can correct this with a carbon filter.

There was also a complaint about noise from the cooling fan. Some decibel measurements were made and they also checked to be sure the temperature was not set too low which would cause the fan to run more frequently.

**Lake in the Hills Sanitary District
Board of Trustees Regular Meeting Minutes
March 17, 2022**

The resident was also upset about the ComEd pole. This is installed on the property line which is where ComEd would always install these. We do not have any control over where ComEd would put these. The resident would need to address this issue with ComEd.

Additional complaints were made about grass in the construction area. During the recent site visit the observation was that the grass did not look much different from the undisturbed grass. If necessary we could have it reseeded, however, it is on a hill and probably would not make much of a difference.

There was also claim of damage to the sea wall as it leans a bit in one corner. We did not disturb this and cannot confirm how it looked before construction.

Also, there was mentioned of the erosion around the wood barrier that we installed. There was some soil loss here from the erosion of sand on the Village's beach. District staff could repair this by adding some filter fabric and soil.

Some discussion took place and it was decided that the Engineer would respond to the resident. It was the Boards consensus to set a price limit to replace the tree and work with the resident to address the issues as discussed.

Executive Session

Motion was made by President Hansen, seconded by Trustee Ruzanski to go into closed session for the discussion of minutes of meetings lawfully closed under this Act, whether for purposes of approval by the body of the minutes or semi-annual review of the minutes as mandated by Section 2.06 (5 ILCS 120/2(c)21). On a roll call vote, President Hansen and Trustees Reed and Ruzanski voted aye. Engineer Doeringsfeld left the room and the executive session was entered at 7:45pm.

Open Session Reconvened:

The regular meeting was reconvened at 7:49pm with President Hansen and Trustees Reed and Ruzanski present. Also present were District Manager Tamara Mueller, Assistant District Manager Mike Nelson, District Attorney Ann Williams and District Treasurer/Clerk Karen Thompson.

Action in Open Session:

Motion was made by Trustee Reed and seconded by Trustee Ruzanski to release the closed meeting minutes from January 21, 2021, February 18, 2021, March 18, 2021 and September 16, 2021. On a roll call vote, President Hansen, Trustee Reed and Trustee Ruzanski voted aye. These minutes will be released and placed on the District's website on March 18, 2022.

Adjournment:

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

The meeting was adjourned at 7:51pm.

**Lake in the Hills Sanitary District
Board of Trustees Regular Meeting Minutes
March 17, 2022**

Respectfully Submitted,



Karen Thompson,
District Clerk

APPROVED this _____ day of _____, 2022.

President Hansen

COMPENSATION RECOMMENDATION FY 22 - 23

EMPLOYEE	TITLE	EDU	YEARS OF SERVICE	WWTP CERT LEVEL	HOURLY RATE	SALARY OR ANNUAL EQUIVELANT	PROPOSED HOURLY RATE	PROPOSED SALARY OR EQUIVELANT	PROPOSED % INCREASE	ANNUAL HEALTH INSURANCE	PROPOSED TOTAL COMPENSATION
Tamara Mueller	District Manager	M.S.	23.3	1		\$ 123,600.00		\$ 131,016.00	6.0%	\$ 37,276.80	\$ 168,292.80
Mike Nelson	Asst. District Manager		16.5	1		\$ 93,600.00		\$ 101,088.00	8.0%	\$ 26,062.20	\$ 127,150.20
<i>Sub-Total Annual Management</i>						\$ 217,200.00		\$232,104.00			
Jerilyn Stalberg	Office Administrator	B.A.	16.8			\$ 61,261.20		\$ 66,162.10	8.0%	\$ 8,783.04	\$ 74,945.14
Kadie Gillie	Admin. Assistant		0.8			\$ 41,106.00		\$ 45,216.00	10.0%	\$ 8,783.04	\$ 53,999.04
Dierdre Murphy	Admin. Assistant		0.7			\$ 45,000.00		\$ 47,700.00	6.0%	-	\$ 47,700.00
Karen Thompson	Treasurer/Clerk (PT)	B.S.	7.8		\$ 31.20	\$ 40,495.10	\$ 33.70	\$ 43,708.90	8.0%	\$ 37,276.80	\$ 80,985.70
<i>Sub-Total Annual Clerical</i>						\$ 187,862.30		\$202,787.00			
John Caccamo	Maintenance Supervisor		24.8	4	\$ 41.08	\$ 85,446.40		\$ 92,282.11	8.0%	\$ 37,276.80	\$ 129,558.91
Rene Rodriguez	Maintenance Technician		2.75		\$ 21.84	\$ 45,427.20	\$ 24.00	\$ 49,920.00	9.9%	\$ 24,108.36	\$ 74,028.36
Dwight Hiott	Maintenance Technician		0.8		\$ 20.00	\$ 41,600.00	\$ 22.00	\$ 45,760.00	10.0%	\$ 9,785.64	\$ 55,545.64
<i>Sub-Total Annual Maintenance</i>						\$ 172,473.60		\$187,962.11			
Kyle Caccamo	Wastewater Operator		0.3	2	\$ 30.00	\$ 62,400.00	\$ 30.00	\$ 62,400.00	0.0%	-	\$ 62,400.00
Jennifer Olson	Laboratory Tech (PT)		19.3		\$ 21.94	\$ 34,226.40	\$ 23.26	\$ 36,285.60	6.0%	\$ 26,062.20	\$ 62,347.80
James Olvera	Utility Systems Manager	B.S.	15.8	1	\$ 31.46	\$ 65,436.80	\$ 33.98	\$ 70,678.40	8.0%	\$ 25,310.28	\$ 95,988.68
<i>Sub-Total Annual Operations</i>						\$ 162,063.20		\$169,364.00		\$240,725.16	\$1,032,942.27

Total Annual Salaries \$ 739,599.10 \$792,217.11

COLA = 5.9%

District compensation compared to FRWRD, NMWRD, Village of LITH, Village of Huntley, Village of Hampshire, City of Sycamore.

ORDINANCE NO. 413

An Ordinance Amending Ordinance No. 408 Regarding the Combined Budget and Appropriations for Fiscal Year May 1, 2021, through April 30, 2022, of the Lake in the Hills Sanitary District.

WHEREAS, on May 20, 2021, the President and Board of Trustees of the Lake in the Hills Sanitary District passed Ordinance No. 408, *An Ordinance for the Combined Budget and Appropriations for Fiscal Year May 1, 2021, through April 30, 2022, of the Lake in the Hills Sanitary District*; and

WHEREAS, since the passage of Ordinance No. 408 it has been determined that amendments are needed to the General Corporate Fund; and

WHEREAS, 50 ILCS 330/3 provides that a governing body “may from time to time make transfers between the various items in any funds ... not exceeding ten percent of the total amount appropriated in such fund by such ordinance ...” and the needed amendment will not exceed ten percent of the total amount appropriated in such fund.

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the LAKE IN THE HILLS SANITARY DISTRICT, McHenry County, Illinois, as follows:

SECTION 1: The General Corporate Fund in Ordinance No. 408 shall be amended as follows:

Within Operating Expenses, General Fund:

Transfer \$2,000 from Training and Education to J.U.L.I.E.

Within Operating Expenses, General Fund:

Transfer \$6,000 from Building and Grounds Upkeep to Utilities.

SECTION 2: If any section, paragraph, subdivision, clause, sentence, or provision of this Ordinance shall be adjudged by any Court of competent jurisdiction to be invalid, such judgment shall not affect, impair, invalidate or nullify the remainder thereof, which remainder shall remain and continue in full force and effect.

SECTION 3: All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict.

SECTION 4: This Ordinance shall be in full force and effect upon its passage, approval and publication in pamphlet form (which publication is hereby authorized) as provided by law.

Ayes:

Nays:

Absent:

Abstain:

APPROVED:

President Eric Hansen

(SEAL)

ATTEST: _____
Clerk Karen Thompson

Passed: _____

Approved: _____

Published: _____



April 18, 2022

Tamara Mueller, District Manager
Lake in the Hills Sanitary District
515 Plum Street
Lake in the Hills, IL 60156

Re: Front Entrance Drive Reconstruction
Evaluation of Bids and Recommendation to Award

Dear Tamara and Board of Trustees:

We have completed our review of bids for the Front Entrance Drive Reconstruction, as opened at 11:00 a.m. on April 14, 2022. Four bids were received for the project and a summary of the bids are provided below:

Bidding Contractor	Bid Amount
Maneval Construction Co. 28090 W. Concrete Drive, Ingleside, IL 60041	\$272,563.41
Chadwick Contracting Company 12 Prosper Court, Lake in the Hills, IL 60456	\$273,151.50
DK Contractors, Inc. 11013 122nd Street, Pleasant Prairie, WI 53158	\$294,122.40
Abbey Paving Co., Inc.	\$348,632.25

See the enclosed bid tabulation.

We have reviewed these bids and based on our review make the following comments and recommendations for the District's consideration:

1. The low bid for the project was submitted by Maneval Construction Co. in the amount of \$272,563.41.
2. Maneval Construction Co. has experience with this type of project and has completed other similar projects.
3. Applied Technologies Inc. finds Maneval Construction Co. to be the lowest, responsive, responsible bidder. We recommend that the Lake in the Hills Sanitary District award the Front Entrance Drive Reconstruction contract to Maneval Construction Co. in the amount of \$272,563.41.



Following the District's Award of the contract, we will send a Notice of Award to the contractor along with copies of the Contract Documents for signature. These will be returned to the District for execution, after which the Notice to Proceed will be issued and a preconstruction conference scheduled.

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

Sincerely,
Applied Technologies, Inc.

A handwritten signature in black ink, appearing to read 'Rt Doeringsfeld'.

Robert Doeringsfeld, P.E., District Engineer

Enclosure

Lake in the Hills Sanitary District
 Front Entrance Drive Reconstruction
 April 14, 2022 @ 11:00 am

Item	Description	Unit	Quantity	Maneval Construction		Chadwick Contracting		DK Contractors		Abbey Paving and Sealcoating Co., Inc.	
				Unit Price	Extended Amount	Unit Price	Extended Amount	Unit Price	Extended Amount	Unit Price	Extended Amount
1	Pavement Removal	SY	3,800	\$4.97	\$18,886.00	\$4.45	\$16,910.00	\$8.00	\$30,400.00	\$17.70	\$67,280.00
2	Earth Excavation	CY	225	\$30.31	\$6,819.75	\$32.00	\$7,200.00	\$54.00	\$12,150.00	\$54.10	\$12,172.50
3	Aggregate Base Repair	TON	1,100	\$36.58	\$40,238.00	\$34.00	\$37,400.00	\$21.00	\$23,100.00	\$48.50	\$53,350.00
4	Subgrade Repair	TON	680	\$36.58	\$24,874.40	\$35.00	\$23,800.00	\$23.00	\$15,640.00	\$48.50	\$32,980.00
5	Triaxial Geogrid	SY	1,600	\$4.07	\$6,512.00	\$4.75	\$7,600.00	\$4.00	\$6,400.00	\$4.50	\$7,200.00
6	Geotextile Fabric	SY	500	\$0.80	\$400.00	\$2.35	\$1,175.00	\$2.00	\$1,000.00	\$1.50	\$750.00
7	Preparation of Base	SY	3,800	\$0.59	\$2,242.00	\$1.15	\$4,370.00	\$2.00	\$7,600.00	\$2.00	\$7,600.00
8	Hot-Mix Surface Removal-Butt Joint	SY	16	\$14.16	\$226.56	\$12.00	\$192.00	\$20.00	\$320.00	\$20.00	\$320.00
9	Hot Mix Asphalt Binder Course, II-19.0, N50	TON	720	\$87.91	\$63,295.20	\$92.85	\$66,852.00	\$90.00	\$64,800.00	\$80.65	\$58,068.00
10	Bituminous Materials (Prime Coat)	LBS	9000	\$0.15	\$1,350.00	\$0.01	\$90.00	\$0.35	\$3,150.00	\$0.10	\$900.00
11	Hot-Mix Asphalt Surface Course, Mix "D", N50	TON	475	\$102.07	\$48,483.25	\$124.70	\$59,232.50	\$100.00	\$47,500.00	\$84.85	\$40,303.75
12	Concrete Gutter, 24" Detail 02998	LF	170	\$47.25	\$8,032.50	\$46.00	\$7,820.00	\$54.00	\$9,180.00	\$46.75	\$7,947.50
13	Manhole Chimney Reconstruction, including Replacement of adjustment rings and External Chimney Seal	EACH	11	\$1,711.00	\$18,821.00	\$1,085.00	\$11,935.00	\$1,500.00	\$16,500.00	\$2,100.00	\$23,100.00
14	Thermoplastic Pavement Marking - Line 4"	LF	160	\$17.70	\$2,832.00	\$10.00	\$1,600.00	\$11.00	\$1,760.00	\$8.60	\$1,376.00
15	Thermoplastic Pavement Marking - Letters and Symbols	SF	4	\$189.00	\$756.00	\$100.00	\$400.00	\$53.00	\$212.00	\$44.00	\$176.00
16	Electrical Conduit, including Tracer Wire	LF	35	\$122.85	\$4,299.75	\$130.00	\$4,550.00	\$73.00	\$2,555.00	\$125.50	\$4,392.50
17	Electrical Pull Boxes	EACH	2	\$840.00	\$1,680.00	\$1,000.00	\$2,000.00	\$1,558.00	\$3,116.00	\$860.00	\$1,720.00
18	Articulating Concrete Block, 30-S Open-Cell Block, hand placed	SF	680	\$30.00	\$20,400.00	\$17.00	\$11,560.00	\$51.00	\$34,680.00	\$29.00	\$19,720.00
19	Erosion Control, including 99-C-2 and Special Provisions Section BLR 11310	LS	1	\$1,050.00	\$1,050.00	\$7,305.00	\$7,305.00	\$10,003.00	\$10,003.00	\$5,676.00	\$5,676.00
20	Landscape Restoration, including Seeding, Class I/A	ACRE	0.2	\$6,825.00	\$1,365.00	\$5,800.00	\$1,160.00	\$20,282.00	\$4,056.40	\$18,100.00	\$3,620.00
	TOTAL				\$ 272,563.41		\$ 273,151.50		\$ 294,122.40		\$ 348,632.25

CONRAD DE LATOUR & ASSOCIATES, INC.

1221 Rand Road
Des Plaines, Illinois 60016

Phone (847) 635-6096
delatour@ameritech.net

Established: 1978

February 14, 2022

Ms. Tamara Mueller
District Manager
Lake in the Hills Sanitary District
515 Plum Street
Lake in the Hills, Illinois 60156

Proposal No. P22-106

Reference: Proposal for inspection and testing services during reconstruction of pavements at the Lake in the Hills Sanitary District, 515 Plum Street, Lake in the Hills, Illinois.

Dear Ms. Mueller:

Thank you for the opportunity to submit this proposal for inspection and testing services during reconstruction of pavements at the Lake in the Hills Sanitary District's facilities located at 515 Plum Street, Lake in the Hills, Illinois.

Based on the preliminary information provided, the pavement extending from Plum Street on the West to the East side of the tertiary filter building on the East will be reconstructed. It is our understanding that the existing asphalt pavement is to be completely removed and the exposed base course is to be proof-rolled to isolate areas of instability. Areas that fail the proof roll will be remediated.

We have provided construction testing services on many developments having a similar areal extent. For this site improvement we have listed our estimate for the field testing we feel will be required during the various construction phases. The number of site visits has been estimated based on our discussion with the projects engineer, Bob Doeringsfeld representing ATI.

A copy of our Fee Schedule indicating our unit charges for personnel and testing that we feel will be required during reconstruction of the pavement in Lake in the Hills, Illinois is also attached to this proposal.

Estimate for Inspection and Testing Services

Proposed Pavement Reconstruction 515 Plum Street Lake in the Hills, Illinois

1. Proof-Roll Subgrade

Inspection of subgrade stability by observing proof-roll.

Proof-Roll Inspection, Two (2) Half (½) Days
Vehicle Charge, Two (2) Trips
Project Management, Report Preparation, Estimate Two (2) Hours

Proof-Roll Inspection = \$ 1,188.00

2. Bituminous Concrete Pavement

Field Quality Control for Inspection and Testing of base course and hot mix asphalt during placement.

Engineering Technician, Aggregate Base Compaction, One (1) Half (½) Day
Engineer Technician, Asphalt Compaction, Two (2) Days
Nuclear Density Gauge, Three (3) Days
Standard Proctor Test, One (1) Test
Grain Size Analysis, One (1) Test
Vehicle Charge, Three (3) Trips
Project Management, Report Preparation, Three (3) Hours

Bituminous Concrete Pavement = \$ 2,490.00

TOTAL ESTIMATE \$ 3,838.00

The above estimate is based on our understanding of the scope of services to be provided and is based on the times presented, portal to portal, Monday through Friday. Re-testing of areas not complying with the project specifications is not included in the above estimate.

We appreciate the opportunity to offer our services to Lake in the Hills Sanitary District and look forward to providing the inspection and testing services for the pavement reconstruction in Lake in the Hills, Illinois. If there are any questions regarding this proposal, please do not hesitate to contact us.

If this proposal is satisfactory, we would appreciate if you would sign one (1) of the enclosed copies and return it to us for our files.

Respectfully submitted,
CONRAD DE LATOUR & ASSOCIATES, INC.



Conrad De Latour
Vice President

Attachments

ACCEPTED BY _____

PRINTED NAME _____

TITLE _____

FIRM _____

TELEPHONE NUMBER _____

EMAIL _____

DATE _____

Conrad DeLatour & Associates, Inc.

Soil & Material Consultants

FEE SCHEDULE-2022

The scope of our testing and inspection services includes but is not limited to the following general areas: • concrete • soils • bituminous concrete • fire proofing • grout, mortar and masonry • vapor emission testing • floor flatness testing. Rates or tests for items not specifically mentioned will be furnished upon request.

All rates are applicable through May 31, 2022.

PERSONNEL RATES

Personnel rates are based on an eight (8) hour work day between the hours of 7:00 am and 4:00 pm Monday through Friday. There is a half-day minimum charge for all personnel. Services performed after 4:00 P.M Monday through Friday, Saturday, or in excess of eight (8) hours are subject to overtime rates.

Rates for services performed on Sundays or Holidays will be furnished upon request.

The following hourly rates, portal to portal from our office plus vehicle charge (no charge for mileage and tolls) apply to personnel performing the services listed below. Parking fees at cost.

- A. Engineering Technician for sampling and testing of concrete including slump, air entrainment, and fabrication of test cylinders; sampling of mortar and grout; observation of fill placement and field compaction testing.
- | | |
|---|-----------|
| Personnel Rate, Minimum ½ Day | \$ 304.00 |
| Per Hour Additional, Per Hour (4-8 hours) | 76.00 |
| Per Hour Overtime | 114.00 |
- B. Foundation bearing materials testing and inspection, rolling-patterns, fireproofing testing, vapor transmission testing, and reinforcement.
- | | |
|-------------------------------------|-----------|
| Personnel Rate, Minimum ½ Day | \$ 344.00 |
| Per Hour Additional, (4 to 8 hours) | 86.00 |
| Per Hour Overtime | 129.00 |
- C. Structural Steel Inspector, bolted connections, fillet welds, shear stud testing. Field engineer for caisson, pile installation monitoring, reinforcement placement, FF/FL testing, and proof-roll observation.
- | | |
|---------------------------------|-----------|
| Personnel Rate, Minimum ½ Day | \$ 384.00 |
| Per Hour Additional (4-8 hours) | 96.00 |
| Per Hour Overtime | 144.00 |
- D. Project Engineer or Materials Consultant for administrative review and coordination, reports, consultation, or site meetings. Certified welding inspector.
- | | |
|---|-----------|
| Personnel Rate, Per Hour | \$ 160.00 |
| Personnel Rate in Field, Minimum ½ Day Charge | 624.00 |
- E. Additional trips to the project site or other locations to pick up samples or cylinders.
- | | |
|--------------------------|----------|
| Personnel Rate, Per Hour | \$ 76.00 |
|--------------------------|----------|

Conrad Delatour & Associates, Inc.

Soil & Material Consultants

FEE SCHEDULE-2022 (continued)

EQUIPMENT CHARGES (Personnel Time Not Included)

Nuclear Density-Moisture Gauge, Per Day	\$ 95.00
Calibrated Torque Wrench, Per Day	\$ 50.00
Dynamic Cone Penetrometer, Per Day	\$ 50.00
Vehicle Charge, Per Day	\$ 50.00
pH or RH Meter, Per Day	\$ 25.00
Wagner Rapid Rh Probes, Per Probe	Request
Vapor Emission Test, Per Test Kit	\$ 25.00
Floor Pro Floor Profiler (FF/FL Testing), Per Day	\$ 250.00
Magnetic Particle Tester and Consumables, Per Day	Request
Ultrasonic Test Equipment & Consumables, Per Day	Request

LABORATORY TESTING RATES

A.	Compressive strength testing of 6" x 12" or 4" x 8" concrete cylinder in accordance with ASTM C-39 procedure, mortar cylinders (ASTM C-270) or grout cubes (ASTM C-1019). (Sample pick up not included).	
	Testing, Per Cylinder (Less than 6,000 psi design mix)	\$ 16.00
	Testing, Per Cylinder (Greater than 6,000 psi design mix)	\$ 20.00
	Lightweight Concrete – Unit Weight Determination, Per Cylinder	\$ 20.00
	Grout Sample Box, Per Set of Grout Specimens	\$ 10.00
B.	Moisture Density Relationship of Soils	
	ASTM D-698 (Standard), Per Test (Non-Cohesive soils)	\$ 150.00
	ASTM D-698 (Standard), Per Test (Cohesive Soils)	\$ 175.00
	ASTM D-1557 (Modified), Per Test (Non-Cohesive Soils)	\$ 175.00
	ASTM D-1557 (Modified), Per Test (Cohesive Soils)	\$ 200.00
C.	Grain Size Analysis (Sieve)	
	Sieve (Unwashed), ASTM C-136, Per Test	\$ 65.00
	Sieve (Washed), ASTM C-117, Per Test	\$ 90.00
	Sieve & Hydrometer, ASTM D-442, Per Test	\$ 225.00
D.	Relative Density of Cohesionless Soils	
	ASTM D-2049, Per Test	\$ 225.00
E.	Atterberg Limits Determination	
	ASTM D-4318, Per Test	\$ 80.00
F.	Fireproof Density, Per Test	\$ 30.00

Lake in the Hills Sanitary District TASK ORDER No. 22-01

Date: April 18, 2022 **Project No.:** 6255 **LITHSD District Manager:** Tamara Mueller

Project Name: Front Entrance Drive Construction Engineering and Inspection

ATI Point(s) of Contact: Bob Doeringsfeld

Project Description: Provide construction engineering, contract administration, and inspection for the repair and reconstruction of the Front Entrance Drive for the Lake in the Hills Sanitary District Facility. Project award to Maneval Construction in the amount of \$272,563.41 with construction activities estimated to last six weeks in duration.

Scope of Services/Schedule: Engineering Services within Task Order No. 22-01 include contract administration, site visits and construction observation, submittal review, request for information responses, and applications for payment. The scope of services shall include the following tasks:

1. Construction Contract Administration and Progress Meetings
2. Design Clarifications and Field Orders
3. Change Order Processing
4. Submittal Reviews
5. Request for Information Responses
6. Applications for Payment
7. Record Drawings
8. Resident Engineer Site Visits and Construction Observation (8hrs/wk)
9. Full Time Resident Project Representative (40 hrs/wk)

Services provided under direct contract with the District and not included in this Task Order:

1. Subsurface Inspection and testing Services - Conrad DeLatour & Associates, Inc.
 - a. Proposal - \$3,838.00
 - b. It is recommended that the District authorize up to \$5,000 for this service to provide flexibility in the field.

Compensation: The Total Compensation for this Task Order is \$29,844 and is broken down into the following sub tasks:

Construction Contract Administration	\$4,212
Resident Engineer (8 hrs/6wks)	\$5,472
Resident Project Representative (40 hrs/6 wks)	\$20,160
Total	\$29,844

Direct Contract Services with the District outside Task Order No. 22-01

Conrad DeLatour & Associates, Inc.	Geotechnical	\$5,000
	Total	\$5,000

PROJECT APPROVAL

Applied Technologies, Inc.

Accepted by Lake in the Hills Sanitary District

Signature: 

Signature: _____

Printed Name: Robert Doeringsfeld

Printed Name: _____

Title: Project Manager

Title: _____

Date: April 18, 2022

Date: _____

LAKE IN THE HILLS SANITARY DISTRICT
MONTHLY TREASURER REPORT - O&M/SEWERAGE FUNDS
 Month of March, 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	910,013.02	750,190.50	812,545.45
First National Bank - Certificate Fund	Bond & Int	135,777.26	149,282.54	33,778.44
First National Bank - Depreciation Account	Construction	2,675,072.02	2,682,107.96	2,280,409.47
First National Bank - Surplus Funds	Construction	39,948.30	29,828.59	20,155.67
First National Bank - Bond & Interest Fund	Bond & Int	937,719.73	995,005.92	761,872.03
First National Bank - Sinking Funds	Bond & Int	1,200,561.90	1,215,351.39	1,067,518.48
Algonquin Bank & Trust - Cash Mgr	O&M	1,678,207.88	1,650,582.80	1,051,983.88
Algonquin Bank & Trust - Operating	O&M	906.00	20.00	1,130.00
Home State Bank	O&M	CLOSED	CLOSED	34,814.21
Credit Cards		(888.61)	(891.78)	(684.22)
TOTAL BEGINNING CASH AND INVESTMENTS		7,577,317.50	7,471,477.92	6,063,523.41
SEWERAGE FUNDS				

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Revenues and Receipts				
Sewer Bill Income/User Charges	85,270.68	50,033.30	2,844,471.96	3,600,000.00
Septage Income	32,717.34	15,726.00	339,619.64	300,000.00
Wastewater Discharge Income	3,633.08	3,741.85	44,736.17	45,000.00
Refunds	(259.20)	(755.90)	(5,548.47)	-
Connection/Tap-On Fees		51,411.66	413,634.66	300,000.00
Annexation Fees (inc. GIS)	-	-	-	5,000.00
Downstream & Misc Charges	-	-	-	500.00
Liftstation Recapture	-	-	-	-
Gain/Loss - Sale of Equipment	-	-	-	-
Rebates, Refunds or Grants Received	-	62,557.45	134,172.84	-
Interest Income	373.90	632.01	3,066.71	5,000.00
TOTAL REVENUES AND RECEIPTS		121,735.80	183,346.37	4,255,500.00

Expenditures

PERSONNEL SERVICES

District Personnel Salaries	47,342.53	50,846.14	537,894.76	634,000.00
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ADMINISTRATIVE EXPENSES

Telephone	205.93	206.43	2,269.79	3,000.00
Postage	744.35	4,187.97	19,139.47	22,000.00
Printing and Publications	-	-	-	2,000.00
Office Supplies	521.14	619.99	7,163.18	7,500.00
Billing and Collection Expenses	8,470.31	2,473.68	61,991.84	80,000.00
Professional Services	91.43	173.17	1,521.58	10,000.00
Training, Travel and Education	-	-	307.40	7,000.00
Computer Hardware, Software, and Support	854.94	906.44	23,603.32	25,000.00
Community Affairs	-	-	83.15	2,000.00
Medical and Life Insurance	20,549.47	20,549.47	209,907.91	275,000.00
	31,437.57	29,117.15	325,987.64	433,500.00

OPERATIONS AND MAINTENANCE

Operating Supplies	7,047.18	4,344.67	50,337.24	60,000.00
Maintenance and Repair (Plant)	3,486.02	10,174.56	99,672.67	150,000.00
Maintenance and Repair (Collection Systems)	166.03	302.95	103,599.46	310,000.00
Utilities and Energy	49,401.59	27,096.29	351,480.37	475,000.00
Grounds Upkeep	-	-	18,735.36	30,000.00
Gasoline/Oil	2,443.67	286.14	9,846.37	20,000.00
Computer and Support Services	-	-	117.37	2,000.00
Emergency Communications	1,611.51	944.99	29,513.95	75,000.00

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Sludge Management	32,221.31	10,440.00	219,328.75	225,000.00
Professional Services	2,754.92	3,943.20	30,867.42	35,000.00
Residential Reimbursement	-	-	6,743.79	10,000.00
Compliance Requirements/Permits	-	8,250.00	25,750.00	30,000.00
GIS	-	-	-	10,000.00
	<u>99,132.23</u>	<u>65,782.80</u>	<u>945,992.75</u>	<u>1,432,000.00</u>

Expenditures (continued)

CAPITAL IMPROVEMENTS

New Construction	7,672.00	21,266.00	181,069.69	1,500,000.00
Plant Equipment	43,670.85	-	184,693.78	530,000.00
Collection System	-	-	109,842.20	800,000.00
Vehicles	-	-	-	75,000.00
Legal Expense	-	-	-	5,000.00
Engineering Expense	-	-	1,445.00	375,000.00
Bond, Finance Consulting Expense	-	-	-	1,000.00
	<u>51,342.85</u>	<u>21,266.00</u>	<u>477,050.67</u>	<u>3,286,000.00</u>

BOND TRANSFERS

2008 Debt Certificates, Principal	-	-	-	120,000.00
2008 Debt Certificates, Interest	-	-	18,778.13	38,000.00
Administration Fees - 2008 Debt Certs	-	-	750.00	2,000.00
	<u>-</u>	<u>-</u>	<u>19,528.13</u>	<u>160,000.00</u>

Series 2014 Bond, Principal	-	-	-	115,000.00
Series 2014 Bond, Interest	-	-	51,618.75	104,000.00
Administration Fees - 2014 Series Bond	-	-	750.00	2,000.00
	<u>-</u>	<u>-</u>	<u>52,368.75</u>	<u>221,000.00</u>

CONTINGENT AND MISCELLANEOUS EXPENSES

Not Otherwise Appropriated	-	-	92.72	3,000.00
	<u>-</u>	<u>-</u>	<u>92.72</u>	<u>3,000.00</u>

TOTAL EXPENDITURES 229,255.18 167,012.09 2,358,915.42 6,169,500.00

EXCESS OF REVENUES OVER (UNDER) EXPENDITURES (107,519.38) 16,334.28 1,415,238.09 (1,914,000.00)

		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	750,190.50	682,193.05	686,364.52
First National Bank - Certificate Fund	Bond & Int	149,282.54	162,789.01	47,279.38
First National Bank - Depreciation Account	Construction	2,682,107.96	2,734,847.84	2,293,898.81
First National Bank - Surplus Funds	Construction	29,828.59	8,563.54	52,021.58
First National Bank - Bond & Interest Fund	Bond & Int	995,005.92	1,000,826.75	828,722.37
First National Bank - Sinking Fund	Bond & Int	1,215,351.39	1,230,146.51	1,082,289.01
Algonquin Bank & Trust - Cash Mgr.	O&M	1,650,582.80	1,660,001.33	1,014,741.33
Algonquin Bank & Trust - Operating	O&M	20.00	0.00	166.00
Home State Bank	O&M	CLOSED	CLOSED	35,060.80
Credit Cards	O&M	(891.78)	(1,616.29)	(727.13)
		<u>7,471,477.92</u>	<u>7,477,751.74</u>	<u>6,039,816.67</u>
TOTAL ENDING CASH AND INVESTMENTS				
SEWERAGE FUNDS				

LAKE IN THE HILLS SANITARY DISTRICT
MONTHLY TREASURER REPORT - GOVERNMENTAL FUNDS
 Month of March, 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	\$ 1,386,939.50	\$ 1,337,158.68	\$ 1,179,078.27
Credit Cards	(1,045.63)	(1,286.95)	-
TOTAL BEGINNING CASH AND INVESTMENTS	1,385,893.87	1,335,871.73	1,179,078.27

	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
Revenues and Receipts				
Real Estate Taxes				
General Fund	-	-	374,582.80	375,000.00
Audit Fund	-	-	5,003.03	5,000.00
Chlorination Fund	-	-	16.89	10.00
Liability Insurance Fund	-	-	49,951.70	50,000.00
Social Security Fund	-	-	64,934.80	65,000.00
Retirement Fund	-	-	154,832.78	155,000.00
Replacement Taxes	-	821.03	3,677.08	-
Rebates or Grants Received	-	-	2,197.00	
Interest Income	52.99	56.45	567.69	1,000.00
TOTAL REVENUES AND RECEIPTS	52.99	877.48	655,763.77	651,010.00

Expenditures

GENERAL FUND

PERSONNEL SERVICES

Salaries of Trustees, Manager, Treasurer & Clerk

14,662.60	15,239.80	168,822.66	190,000.00
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CONTRACTUAL SERVICES

Professional Engineering

4,881.00	1,944.00	47,233.47	66,000.00
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Legal Services

1,032.50	-	9,675.30	35,000.00
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Other Professional Services

-	-	-	5,000.00
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5,913.50	1,944.00	56,908.77	106,000.00
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ADMINISTRATIVE EXPENSES

Printing, Publications

161.32	-	2,875.68	5,000.00
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Office Supplies, Equipment

-	-	2,225.72	2,500.00
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Postage

-	132.35	519.90	1,500.00
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Treasurer's Bond

-	-	3,000.00	4,000.00
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Community Affairs

-	-	93.75	1,000.00
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Memberships and Dues

-	54.00	578.00	4,000.00
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161.32	186.35	9,293.05	18,000.00
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OPERATING EXPENSES

Building and Grounds Upkeep

716.00	-	7,056.06	15,000.00
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Utilities

8,894.67	6,500.04	31,790.58	30,000.00
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J.U.L.I.E.

-	2,263.39	4,632.66	3,000.00
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Training and Education

240.00	-	640.00	3,000.00
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Travel Expenses

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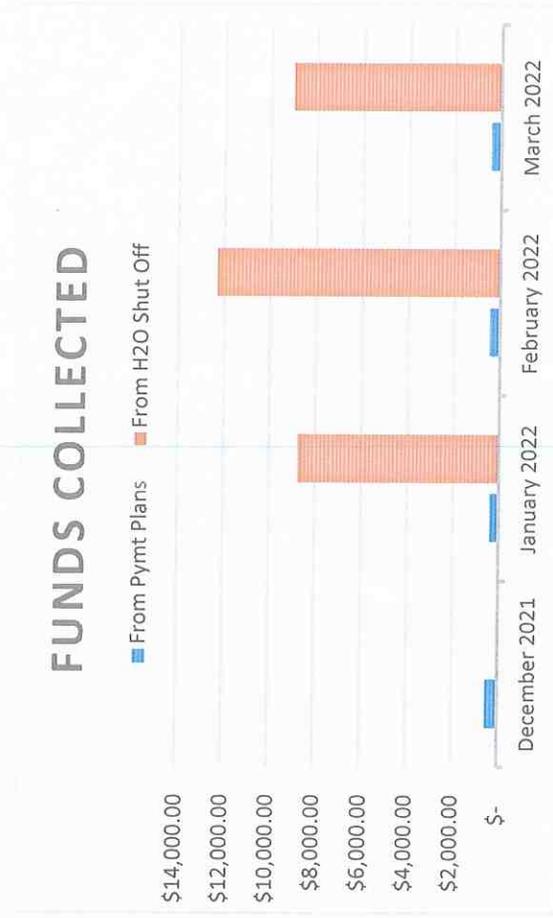
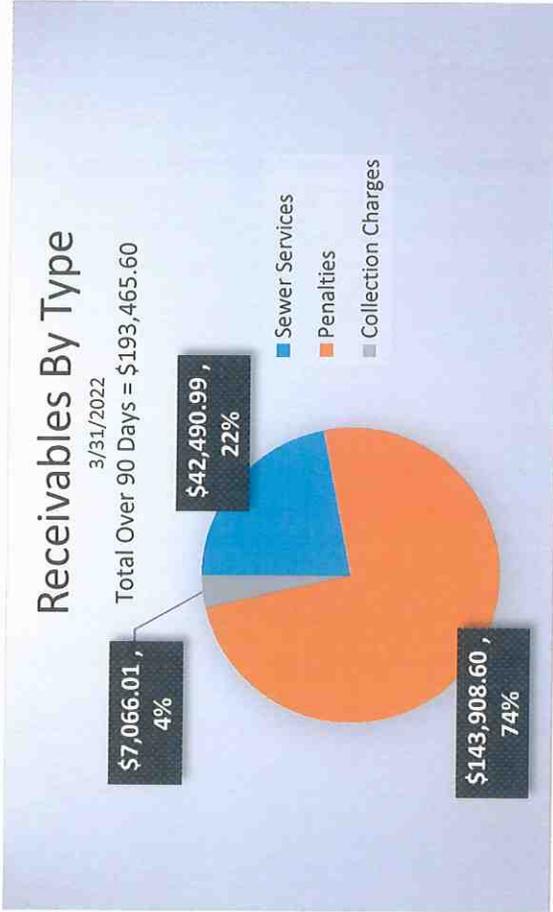
Computer Hardware, Software & Support

1,321.95	(14.98)	4,081.88	7,000.00
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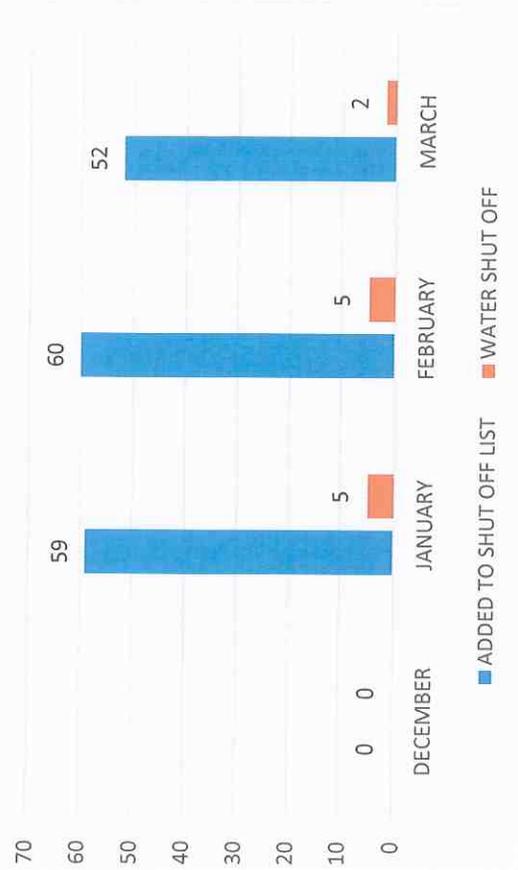
11,172.62	8,748.45	48,201.18	60,000.00
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	PRIOR MONTH	CURRENT MONTH	YTD	BUDGET
CONTINGENT AND MISCELLANEOUS EXPENSES				
Not Otherwise Appropriated	-	-	150.00	1,000.00
	-	-	150.00	1,000.00
TOTAL GENERAL FUND	31,910.04	26,118.60	283,375.66	375,000.00
Expenditures (continued)				
CHLORINATION FUND	-	1,613.55	17,130.50	24,000.00
	-	1,613.55	17,130.50	24,000.00
AUDIT FUND	-	-	12,000.00	20,000.00
	-	-	12,000.00	20,000.00
PUBLIC LIABILITY INSURANCE FUND				
Workers' Compensation	4,225.00	-	18,023.00	30,000.00
Administrative Fee	127.00	-	541.00	1,000.00
Property	-	-	28,884.00	45,000.00
Vehicles	-	-	8,108.00	15,000.00
General Liability	-	-	14,591.00	74,000.00
	4,352.00	-	70,147.00	165,000.00
SOCIAL SECURITY FUND	4,743.37	5,055.58	53,060.36	65,000.00
IMRF FUND	9,069.72	9,681.41	104,848.45	155,000.00
OTHER EXPENDITURES (RECEIPTS)	-	-	-	-
TOTAL EXPENDITURES	50,075.13	42,469.14	540,561.97	804,000.00
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES	(50,022.14)	(41,591.66)	115,201.80	(152,990.00)
Ending Cash and Investments				
First National Bank	\$ 1,337,158.68	\$ 1,294,280.07	\$ 1,152,745.37	
Credit Cards	(1,286.95)	-	-	
TOTAL ENDING CASH AND INVESTMENTS	1,335,871.73	1,294,280.07	1,152,745.37	

Accounts Receivable Analysis March 2022



List vs Shut Off



Monthly Shut Off Summary

- Lake in the Hills**
- 2 shut off – All pd in full post shut off.
- Huntley**
- None.
- Crystal Lake**
- None.

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

Name	Memo	Amount
Governmental Fund		
Illinois Notary Public Association	Membership & Dues - K Gillie Notary	\$ 54.00
TOTAL GOV FUND BILLS PAID PRIOR TO MEETING		\$ 54.00
O & M Fund		
AT&T	Emergency Communications	\$ 13.64
Metropolitan Industries	Emergency Communications - Metro Cloud	\$ 445.00
TAS United	Emergency Communications	\$ 56.10
United States Postal Service	Postage - Stamps for Water Shut Off Postcards	\$ 64.00
Verizon Wireless	Emergency Communications	\$ 389.24
TOTAL O & M BILLS PAID PRIOR TO MEETING		\$ 967.98

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

Name	Memo	Amount
Governmental Fund		
United States Treasury	District Pd Payroll Taxes (SS & Med)	\$ 5,055.58
Illinois Municipal Retirement Fund	Employer Portion of IMRF - March 2022	\$ 9,681.41
TOTAL GOVERNMENTAL FUND RECURRING BILLS		\$ 14,736.99
O & M Fund		
Blue Cross Blue Shield	Medical Insurance Premiums (for March 2022)	\$ 19,110.21
First National Bank PayMaker/Bill.com	Pro Svs - PayMaker/ Bill.com (for February 2022 payments)	\$ 94.63
Humana	Specialty Insurance Premiums (for March 2022)	\$ 1,439.26
Payment Service Network	Collection Expenses from February 2022	\$ 1,200.54
United States Postal Service	Postage - Mailing of Quarterly Bills	\$ 4,039.97
TOTAL O & M RECURRING BILLS		\$ 25,884.61

Approved _____

President Hansen

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

Name	Memo	Amount
GOVERNMENTAL FUND BILLS		
Applied Technologies Inc	Contractual Svcs - Engineering	\$ 1,890.00
Hawkins Inc	Chlorination - Alum Sulfate	\$ 1,623.55
Illinois Municipal Treasurer's Assn	Membership & Dues - K Thompson	\$ 100.00
Logsdon Office Supply	Office Supplies - Custom Signature Stamp	\$ 36.50
Logsdon Office Supply	Office Supplies - Boxes	\$ 125.31
RES Great Lakes LLC	Contractual Svcs - Other, Stream/Riparian Restoration Plan	\$ 270.00
Storino Ramello & Durkin	Contractual Svcs - Legal, Feb 2022	\$ 638.75
Storino Ramello & Durkin	Contractual Svcs - Legal, March 2022	\$ 1,330.00
Technology Masters	Computer Exp - UPS	\$ 571.41
Vanguard Energy Services	Utilities	\$ 3,762.32
TOTAL GOVERNMENTAL FUND BILLS		\$ 10,347.84

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

Name	Memo	Amount
O & M BILLS		
Andritz Separation	Maint/Repair - Plant, Press Belt	\$ 2,229.29
ATI Environmental Inc. - Midwest Lab	Pro Svcs - Lab	\$ 135.00
Cintas Corporation #355	Operating Supplies - Personnel, March 2022	\$ 627.61
Constellation New Energy Inc	Utilities - Concord	\$ 965.83
Constellation New Energy Inc	Utilities - Meadowbrook	\$ 273.19
Constellation New Energy Inc	Utilities - Dam	\$ 524.04
Constellation New Energy Inc	Utilities - Beach	\$ 70.26
Constellation New Energy Inc	Utilities - Decatur	\$ 2,180.74
Constellation New Energy Inc	Utilities - Pyott	\$ 392.55
Constellation New Energy Inc	Utilities - Plant	\$ 22,156.98
Ferguson Ent (dba Pollardwater)	Operating Supplies - Safety	\$ 48.61
Ferguson Ent (dba Pollardwater)	Operating Supplies - Safety	\$ 356.00
Ferguson Ent (dba Pollardwater)	Maint/Repair - Plant, LMI Pump & Parts	\$ 2,792.00
First National Bank of Omaha - Visa	Oper Supplies, Pro Svcs, Office Supplies, Maint/Repair Coll Sys	\$ 1,284.08
First National Bank of Omaha - Visa	Oper Supplies - Personnel	\$ 199.39
Flood Brothers Disposal & Recycling Svcs	Building & Grounds - April 2022	\$ 337.20
Hydrotex	Operating Supplies	\$ 1,194.50
Interstate All Battery Center	Oper Supplies, Pyott UPS & Flashlights for Shop	\$ 110.90
JC Cross Company	Maint/Repair - Plant, Hoffman Bearing Housing & Kit	\$ 3,967.24
Kaman Industrial Technologies	Maint/Repair - Plant, Bearing for Ox Ditch	\$ 4,133.15
Logsdon Office Supply	Office Supplies - Ink	\$ 217.26
Lou's Gloves Inc	Oper Supplies - Gloves	\$ 693.00
Marc Kresmery Construction LLC	Maint/Repair - Coll Sys - Manhole repairs for I&I Reduction Plan	\$ 25,492.26

McHenry County Recorder	Collection Expenses - March 2022	\$	3.00
McMaster - Carr Supply Company, Inc.	Maint/Repair - Plant, Anchors	\$	110.58
Menards	Maint/Repair - Plant, Digester #3	\$	24.66
Menards	Maint/Repair - Plant, Digester #3	\$	462.10
Menards	Maint/Repair - Plant, Digester #3	\$	6.85
Metropolitan Industries, Inc.	Emergency Communications - Metro Cloud	\$	445.00
PetroChoice LLC	Gas/Fuel	\$	586.56
Storino Ramello & Durkin	Collection Expenses - February 2022	\$	289.40
Suburban Laboratories, Inc.	Pro Svs - Lab	\$	183.00
Suburban Laboratories, Inc.	Pro Svs - Lab	\$	872.00
TAS United	Emergency Communications	\$	78.05
Technology Masters Inc	Computer Exp - Maintenance and new UPS	\$	851.75
The Home Depot	Operating Supplies	\$	151.69
The Sherwin Williams Co.	Operating Supplies - Paint Supplies	\$	194.75
The Sherwin Williams Co.	Operating Supplies - Paint Supplies	\$	4.33
United Laboratories	Operating Supplies - Zyme Treat	\$	640.90
USA BlueBook	Operating Supplies - Small Tools, Probes & Meters	\$	2,279.34
USA BlueBook	Operating Supplies - Small Tools, Probe	\$	1,433.65
Village of Lake In The Hills	Coll Exp - Water Shut Offs Fees (from Oct 2021)	\$	157.50
Warehouse Direct	Pro Svs - Copies	\$	14.18
Water One, Inc.	Operating Supplies - Personnel	\$	22.50
Water One, Inc.	Operating Supplies - Personnel	\$	70.00
Wilkens-Anderson	Operating Supplies - Lab	\$	776.10
Ziegler's Ace Hardware	Operating Supplies - March 2022	\$	410.03

TOTAL O&M FUND BILLS

\$ 80,449.00

CONSTRUCTION FUND BILLS

Applied Technologies Inc	New Const - Engineering, 21-01 Front Drive Pavement	\$	1,934.00
Parkson Corporation	Cap Imprvmts - Plant Equipment, Grit Auger	\$	5,685.63
RES Great Lakes LLC	Cap Imprvmts - Pro Svs & Upgrades	\$	1,950.00

TOTAL CONSTRUCTION FUND BILLS

\$ 9,569.63

BOND & INTEREST FUND BILLS

Bank of New York Mellon	Principal & Interest - 2008 Debt Certs	\$	138,778.13
Bond Trust Services Corporation	Principal & Interest - 2014 Bonds	\$	166,618.75
Bond Trust Services Corporation	Paying Agent Fees - 2014 Bonds	\$	400.00

TOTAL BOND & INTEREST FUND BILLS

\$ 305,796.88

GRAND TOTAL OF ALL BILLS PRESENTED FOR APPROVAL IS \$447,806.93 OF WHICH \$25,138.83 IS FROM THE GOVERNMENTAL FUND, \$107,301.59 IS FROM THE OPERATIONS AND MAINTENANCE FUND, \$9,569.63 IS FROM THE CONSTRUCTION FUND, AND \$305,796.88 IS FROM THE BOND AND INTEREST FUND.

Approved _____

President Hansen

MANAGER'S REPORT

Month of March, 2022

Customers

	CURRENT	12/MO TOTAL	Data for Mar 2021
Total accounts:	11,748		
New Customers:	1	11	0
Connections:	1	12	0
Permits Issued:	3	17	0
Permits Issued Past 13 Months:	17		
Total Permits Issued to Date:			
<i>Residential:</i>	10,108		
<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
None!			

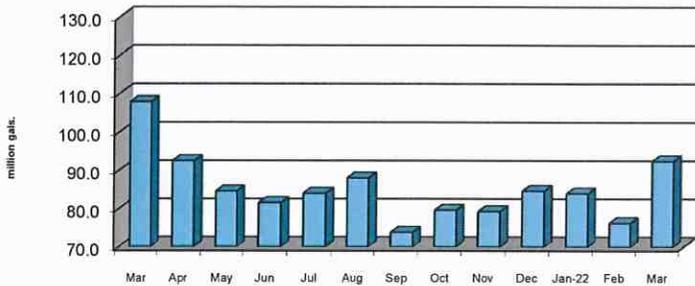
COLLECTION SYSTEM ACTIVITIES

TV truck is getting an upgrade.
Grease trap inspections are completed (except for two establishments not responding).

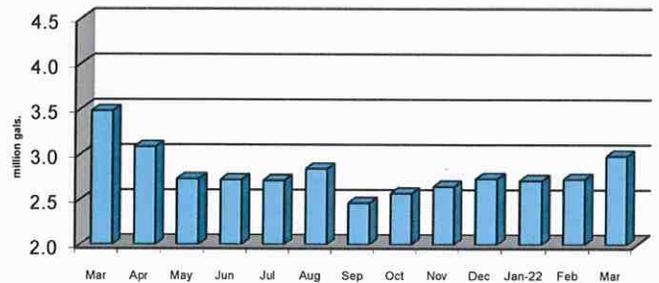
FLOWS

Total Effluent Flow for Month:	92.421	million gallons
Average Daily Flow:	2.981	mgd
Maximum Daily Flow:	4.382	mgd
Precipitation Total:	4.32	inches
Precipitation This Month Last Year:	2.16	inches
Septage Accepted:	504,549	gallons

Total Monthly Flows



Monthly Average Daily Flows



MANAGER'S MONTHLY REPORT

March 2022

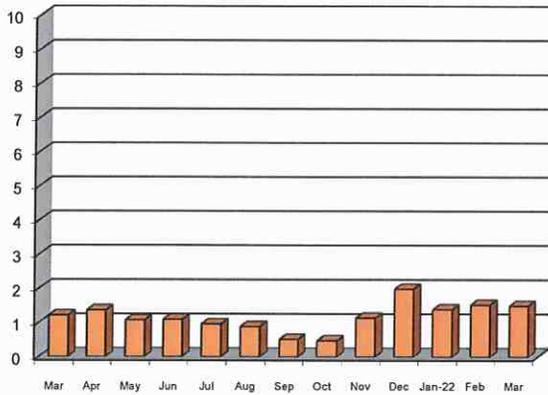
Page 2 of 2

TREATMENT PLANT OPERATIONS

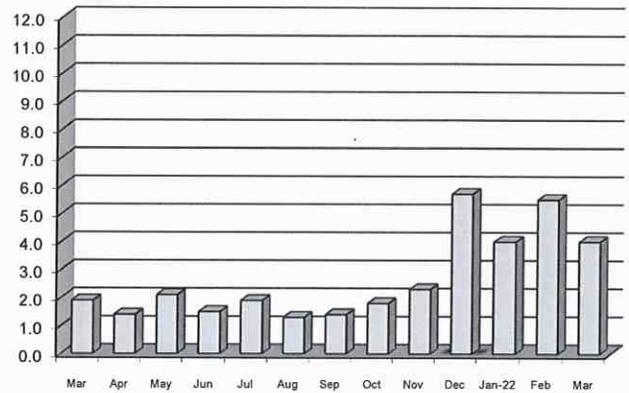
	<u>Average in</u>	<u>Average out</u>	<u>Average % reduction</u>
BOD/CBOD	193 mg/L	1.5 mg/L	99.2%
Total Suspended Solids:	433 mg/L	4.0 mg/L	99.1%
Ammonia Nitrogen:	16.4 mg/L	0.1 mg/L	99.4%
Phosphorus:		0.12 mg/L	
Fecal Coliform:		125 MPN	

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:	3.273 million gallons
Decanted:	0.465 million gallons
Thickened:	2.559 million gallons
To Digester:	0.784 million gallons
Pressed:	1.236 million gallons

PERSONNEL ACTIVITIES

Tamara and Mike attended NIPLA meeting with IEPA on 3/21/22.

Respectfully submitted,

Tamara C. Mueller
District Manager

ORDINANCE NO. 414
*An Ordinance for the Combined Budget and Appropriations
for Fiscal Year May 1, 2022, through April 30, 2023
of the Lake in the Hills Sanitary District*

BE IT ORDAINED by the President and Board of Trustees of the LAKE IN THE HILLS SANITARY DISTRICT, McHenry County, Illinois, as follows:

SECTION 1: The following is the Annual Budget and Appropriation Ordinance for the Lake in the Hills Sanitary District for the fiscal year beginning May 1, 2022, and ending April 30, 2023.

A. GENERAL FUND

1.	<u>Personnel Services and Salary Expense</u>	
	Salaries of Trustees, Manager, Finance Director, Clerk	\$210,000
		<u>\$210,000</u>
2.	<u>Contractual Services</u>	
	Professional Engineering	\$ 65,000
	Legal Services	25,000
	Other Professional Services	<u>5,000</u>
		\$ 95,000
3.	<u>Administrative Expenses</u>	
	Printing, Publications	\$ 4,500
	Office Supplies, Equipment	2,500
	Postage	1,000
	Treasurer's Bond	4,000
	Community Affairs	1,000
	Memberships and Dues	<u>4,000</u>
		\$ 17,000
4.	<u>Operating Expenses</u>	
	Building and Grounds Upkeep	\$ 15,000
	Utilities	40,000
	J.U.L.I.E.	3,000
	Training and Education	3,000
	Travel Expenses	2,000
	Computer Hardware, Software & Support	<u>7,000</u>
		\$ 70,000
5.	<u>Contingent and Miscellaneous Expenses</u>	
	(Not otherwise appropriated)	\$ 1,000
		<u>\$ 1,000</u>
	<u>TOTAL GENERAL FUND</u>	<u>\$393,000</u>

B. CHLORINATION FUND \$ 35,000

C.	<u>AUDIT FUND</u>	\$ 15,000
D.	<u>PUBLIC LIABILITY INSURANCE FUND</u>	
	Workers, Compensation	\$ 30,000
	Property	45,000
	Vehicles	15,000
	General Liability	74,000
	Administration Fee	<u>1,000</u>
		\$165,000
E.	<u>SOCIAL SECURITY FUND</u>	\$ 70,000
F.	<u>IMRF FUND</u>	\$155,000
	<u>TOTAL GENERAL CORPORATE FUND</u>	<u>\$833,000</u>
G.	<u>OPERATION & MAINTENANCE FUND</u>	
1.	<u>SEWERAGE OPERATIONS AND MAINTENANCE ACCOUNT</u>	
a.	<u>Personnel Services</u>	
	District Personnel Salaries	<u>\$700,000</u>
		\$700,000
b.	<u>Administrative Expenses</u>	
	Telephone	\$ 3,000
	Postage	20,000
	Printing, Publications	2,000
	Office Supplies	7,500
	Billing and Collection Expenses	75,000
	Professional Services	5,000
	Training, Travel and Education	7,000
	Computer Hardware, Software and Support	25,000
	Community Affairs	2,000
	Medical and Life Insurance	<u>275,000</u>
		\$421,500
c.	<u>Operation and Maintenance of Plant</u>	
	Operating Supplies	\$ 60,000
	Maintenance and Repair (Plant)	150,000
	Maintenance and Repair (Collection Systems)	300,000
	Utilities and Energy	400,000
	Grounds Upkeep	30,000
	Gasoline/Oil	20,000
	Computer and Support Services	2,000
	Emergency Communications	40,000
	Sludge Management	225,000
	Professional Services	35,000

Residential Reimbursement	10,000
Compliance Requirements/Permits	30,000
GIS	<u>10,000</u>
	\$1,312,000
TOTAL OPERATING BUDGET	<u>\$2,433,500</u>

2. Construction

d. Capital Improvements

New Construction	\$ 500,000
Plant Equipment	1,500,000
Collection System	500,000
Vehicles	75,000
Legal Expense	5,000
Engineering Expense	200,000
Bond, Finance Consulting Expense	<u>1,000</u>
	\$2,781,000

3. Bond and Interest Account

e. Bond Transfers

2008 Debt Certificates, Principal	\$ 125,000
2008 Debt Certificates, Interest	33,000
Administration Fee	<u>1,000</u>
	\$ 159,000

f. Bond Transfers

2014 Bonds, Principal	\$ 120,000
2014 Bonds, Interest	100,000
Administrative Fee	<u>2,000</u>
	\$ 222,000

g. Contingent & Miscellaneous Expenses
(Not otherwise appropriated)

	<u>\$ 3,000</u>
	\$ 3,000

TOTAL OPERATION AND MAINTENANCE FUND **\$5,598,500**

SUMMARY:

General Fund	\$ 393,000
Chlorination Fund	35,000
Audit Fund	15,000
Public Liability Insurance Fund	165,000
Social Security Fund	70,000
IMRF Fund	155,000
Operation and Maintenance Fund:	<u>5,598,500</u>
Summary Total:	<u>\$6,431,500</u>

SECTION 2: As part of the Annual Budget, it is stated:

1. That the cash on hand at the beginning of the fiscal year is \$TBD.
2. That the estimated cash expected to be received during the fiscal year from all sources is \$4,738,510.
3. That the estimated expenditures contemplated for the fiscal year are \$6,431,500.
4. That the estimated cash expected to be on hand at the end of the fiscal year is \$TBD.

SECTION 3: All unexpended balances of any item or items of any general appropriation made by this Ordinance may be expended in making up any insufficiency in any item or items in the same general appropriation and for the same purposes or in a like appropriation made by this ordinance.

SECTION 4: If any section, paragraph, subdivision, clause, sentence or provision of this Ordinance shall be adjudged by any Court of competent jurisdiction to be invalid, such judgment shall not affect, impair, invalidate or nullify the remainder thereof, which remainder shall remain and continue in full force and effect.

SECTION 5: All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict.

SECTION 6: This Ordinance shall be in full force and effect upon its passage, approval and publication in pamphlet form (which publication is hereby authorized) as provided by law.

Ayes:

Nays:

Absent:

Abstain:

APPROVED:

President Eric Hansen

[SEAL]

ATTEST: _____
District Clerk, Karen Thompson

Passed: _____

Approved: _____

Published: _____

CERTIFICATION

I, Karen Thompson, do hereby certify that I am the duly appointed and qualified District Clerk of the Lake in the Hills Sanitary District, McHenry County, Illinois, and that as such District Clerk, I am the keeper of the ordinances, records, corporate seal and proceedings of the President and Board of Trustees of said Lake in the Hills Sanitary District.

I do hereby further certify that at a regular meeting of the President and Board of Trustees of the Lake in the Hills Sanitary District, held on the 21st day of May, 2022, the foregoing Ordinance entitled *An Ordinance for the Combined Budget and Appropriations for Fiscal Year May 1, 2022, through April 30, 2023, of the Lake in the Hills Sanitary District*, was duly passed and approved by the President and Board of Trustees of the Lake in the Hills Sanitary District.

I do further certify that the original, of which the attached is a true and correct copy, is entrusted to me as the District Clerk of said District for safekeeping, and that I am the lawful custodian and keeper of the same.

In witness whereof, I have affixed my name as District Clerk and caused the seal of said District to be affixed hereto this 21st day of May, 2022.

Karen Thompson, District Clerk
Lake in the Hills Sanitary District
McHenry County, Illinois

[SEAL]

CERTIFICATE OF ESTIMATED REVENUES
LAKE IN THE HILLS SANITARY DISTRICT
FISCAL YEAR BEGINNING MAY 1, 2021

FUND	SOURCE OF REVENUE	AMOUNT
General	Real Estate Taxes	\$355,000
	Interest	1,000
Audit	Real Estate Taxes	12,000
Chlorination	Real Estate Taxes	10
Liability Insurance	Real Estate Taxes	75,000
Social Security	Real Estate Taxes	65,000
Retirement	Real Estate Taxes	155,000
Sewerage	User Charges	3,600,000
	Septage Income	300,000
	Wastewater Discharge Income	65,000
	Connection Fee	100,000
	Annexation Fees	5,000
	Downstream Charges	500
	Liftstation Recapture	-0-
	Interest	5,000
Total Estimated Revenues		\$4,738,510

CERTIFICATION

I, Karen Thompson, the District Clerk of the Lake in the Hills Sanitary District, do hereby certify that the above is a true estimate of the revenues anticipated to be received by this governmental unit in this fiscal year 2022-23 for the indicated funds.

Dated: _____, 2022

Karen Thompson
District Clerk

[SEAL]

**Lake in the Hills Sanitary District
Capital Improvements List
2022-2026**

Capital Improvements	2022-2023	2023-2024	2024-2025	2025-2026
ACP panel upgrades			\$250,000	\$250,000
Alum Piping to Splitter Box	\$25,000			
Alum Tank for South Grit Building		\$25,000		
Asphalt Front Entrance Drive	\$325,000			
Asphalt Seal Coating Rear Drive		\$25,000		\$25,000
Automation of Digester Air Valve Actuators				\$100,000
Backup Moyno Pump	\$40,000			
Brick Bottom of Grit Building				\$40,000
Clarifier #1 Automated Valve Repair	\$10,000			
Clarifier Brushes	\$20,000			
Computer Hardware/Software	\$10,000	\$10,000	\$10,000	\$10,000
Concord Valve Vault Spool Removal	\$30,000			
Concrete East Side of Covered Sludge Pad		\$200,000		
Crystal Creek Reach 7 Restoration	\$400,000			
Decatur Concrete Pad		\$10,000		
Decatur Generator Repair			\$125,000	
Decatur Pipe Support Repair	\$15,000			
Decatur Valve Repair				\$30,000
Drying Bed Rehab - Concrete and Roof				\$400,000
Electrical Upgrades	\$100,000	\$100,000	\$100,000	\$100,000
Emergency Portable Pump	\$100,000			
Epoxy Floor - GBT, pump, blower room		\$30,000		
Ethernet			\$50,000	\$50,000
Fiber Optic Replacement			\$50,000	\$50,000
Fire Alarm Control Panel and Smoke Detectors	\$25,000	\$10,000	\$10,000	\$10,000
Gator	\$30,000			
Grated Stairs for 3 Clarifiers and Holding Tank			\$50,000	
Grit Building South Door Replacement	\$15,000			
Grit Building South Furnace Replacement	\$55,000			
Gutters for Sludge Storage and Filter Building	\$15,000			
Hilltop/Willow Valve Raise to Street Level		\$20,000		
Lab Equipment	\$5,000	\$5,000	\$5,000	\$5,000
Landscaping/Tree Replacement/Ash Management	\$30,000	\$30,000	\$30,000	\$30,000
Load Test Cranes	\$10,000	\$10,000	\$10,000	\$10,000
Main Lift ACP-1 Replacement	\$150,000			
Manhole Rehabilitation	\$75,000	\$75,000	\$75,000	\$75,000
Manhole Replacement West of Beach	\$30,000			
New Septic Receiving Station	\$300,000			
Old Grit Building Conversion to Garage			\$150,000	
Oxidation Ditch Rehab	\$100,000	\$100,000	\$100,000	\$100,000
Paint Clarifier #4			\$80,000	

**Lake in the Hills Sanitary District
Capital Improvements List
2022-2026**

Improvements	2022-2023	2023-2024	2024-2025	2025-2026
Paint Rest of Maintenance Building/Part of Lab		50,000		
Polymer System for Sludge Press			\$20,000	
Pyott #3 Pump Replace with Non-Clogging Pump		\$40,000		
Rehab of Digester #1			\$250,000	
Remote Blower for Digester #3 and #4				\$200,000
Repair/Replacement of Digester Level Transducers	\$50,000			
Replace Siding on Storage Building		\$80,000		
Sand Filter Replacement	\$500,000	\$500,000		
SCADA System Upgrades	\$50,000	\$50,000	\$50,000	\$50,000
Seal Process Road	\$25,000			
Sewer Lining and Joint Repair	\$250,000	\$250,000	\$250,000	\$250,000
Sludge Pad Grating/Drainage Improvements	\$20,000			
Spare Dam and Grit Pump		\$75,000		
TV Truck Camera Software	\$10,000			
Upgrade TV Truck Camera	\$95,000			
UV Upgrade/Eventual Replacement		\$500,000	\$500,000	
Vehicles, Maintenance Truck (ordered 2021)	\$75,000			
WAS Pump	\$45,000			
Wetland Maintenance			\$125,000	
Total Estimated Expenditures	\$3,035,000	\$2,195,000	\$2,290,000	\$1,785,000



Date: April 18, 2022 **Project #:** 6255

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: March 2022 District Engineer's Report

Cc: Karen Thompson – District Clerk/Treasurer

1. Front Entrance Drive Reconstruction

- a. Project Bids were received on April 14, 2022 @ 11:00 am. The District received 4 bids. A Recommendation to Award the project to Maneval Construction, Co. in the amount of \$272,563.41 was submitted for District Board approval. District Budget was \$325,000.00.
- b. Task Order No. 22-01 for the Construction Administration and Observation in the amount of \$29,844 was submitted for District Board approval.
- c. Direct Services with the District for Geotechnical testing and inspection provided by Conrad DeLatour & Associates in the amount of \$5,000 was submitted for District Board Approval.

2. Development Reviews

- a. Arden Rose Plat Preconstruction Conference was held on March 18th, 2022. The development is currently under construction.

3. Beach Lift Station

- a. Met with the resident that lives next to the Beach Lift Station regarding the issues discussed at the previous District Board Meeting.
- b. Provided a letter to the District Manager that outlined the customer's issues and solutions.
- c. The District Manager sent the resident a response to the concerns and is currently working on completing the recommended solutions.

4. Disc Filter Replacement Project

- a. Visited three different installations of tertiary disc filters with the District Staff: Rockford, Vernon Hills, Buffalo Grove.
- b. Will work with District Staff to develop the intended project scope, construction cost estimates, and possible funding mechanisms.