

**Lake Forest Estates Clean Water District  
Board of Trustees Meeting  
June 13, 2024 6:04 pm**

**Call to Order:** Chairman Mark Basler

**Roll Call:** Mark Basler, Jim Donze, Don Kuehn, Eric Kelley and Bruce Giesler, all in attendance.

**Approval of Agenda:** Jim Donze made a motion to approve the June agenda. Motion was seconded by Eric Kelley. Motion passed with all in favor.

**Approval of the May Minutes:** Don Kuehn made a motion to approve. Seconded by Eric Kelley. Motion passed with all in favor.

**Chairman Basler:** Rich Cochran with Waters Engineering is here to share information on the status of the design and the submission of the plan to the Department of Natural Resources (DNR). We will divert from the planned agenda and have Rich present the latest information and plan.

**Rich Cochran:** The plans were submitted to the DNR in early January (2024). As of today, there are changes required to the design that will increase the maintenance cost and limits allowed in Big Bottom Creek.

I'm here to present options along with information for each option.

**Exhibit A (attached)**

The only change on the attachment is under land application: The DNR has required that all treated water applied to the land must have a depth of 5 feet of soil. Lake Forest does not have nor has the option of purchasing soil with a depth of 5 feet.

With land application off the table, your best option is to use Indian Creek as the receiving stream.

Q: What happens to our abatement order?

A: The DNR is willing to meet with us to work through the options. We plan to have the DNR come to Lake Forest Estates to discuss this in the near future.

Q: Are we still required to have the same limits for Indian Creek?

A: The limits are less stringent due to Indian Creek is not on the impaired list with the DNR.

Q: If we go with Indian Creek option, will we still have to repair the pipes in the lakes?

A: Yes. The replacement of the pipes will be a different phase and possibly a different contractor. We are planning on at least two phases to this project, the treatment facility being primary.

**Office Administrator:** Julie Orrick

- We are waiting on two backflow reports, all others have been submitted.
- The quarterly invoices will be sent out on July 2<sup>nd</sup> and 3<sup>rd</sup>.
- The emailed invoices have been well received after the 1<sup>st</sup> quarter introduction, if you have not signed up for electronic invoices, please contact the office at [lfecwd.office@gmail.com](mailto:lfecwd.office@gmail.com)

**Property Manager:** Tom Duro

- Well #1 pumped 793,000 gallons    Well #2 pumped 824,400    Total 1,617,400
- One broken water line was repaired.

**Treasurer's Report:** Eric Kelley

- Financial report was read by Eric Kelley with Jim Donze making a motion to approve.  
Seconded by Bruce Giesler. Motion passed with all in favor.

**Communication Received:** Don Kuehn

A resident sent an email to the office with information on land application for our treated water. This was discussed between the resident and Rich Cochran prior to the board meeting.

**Open Forum:** Don Kuehn

Will our USDA loan be affected due to the design change?

Short answer is no.

Our loan is:

\$7,500,000.00

1.75%

\$4,175,000.00 (loan amount to repay) for 35 years

\$3,325,000.00 (grant)

**Old Business:** Mark Basler

Please see Rich Cochran's information

**New Business:** Mark Basler

Should be a full boating season, at least until Labor Day.

**Adjournment:**

Jim Donze made the motion to adjourn, seconded by Bruce Giesler. Motion passed with all in favor.

Please note that the Board of Trustees may adjourn to close sessions pursuant to the Revised Statutes of the State of Missouri to discuss legal, confidential or privileged attorney-client pursuant to Section 310.021 (1), real estate matters pursuant to Section 610.021 (17) or for any other reason allowed by Missouri Law.

Lake Forest Estates Clean Water District  
 Treatment Options  
 6/4/2024

Option	Receiving Stream	Treatment Plant	Pros	Cons	Construction Cost	O&M Cost	Replacement Cost
1	Big Bottom Creek	SBR w/ Tertiary Treatment	Cleanest effluent Short upset time	Most Stringent Limits Most Difficult to Operate Easier to upset Highest Construction Cost Highest Operating Costs Highest Replacement Costs	\$ 3,503,400	\$ 40,997	\$ 40,330
2a	Indian Creek	SBR	Less Stringent Limits Cleaner effluent Short upset time	More Difficult to Operate Easier to upset Lowest Construction Costs Higher Operating Costs Higher Replacement Costs	\$ 3,430,700	\$ 21,835	\$ 36,330
2b	Indian Creek	Lagoon w/ MBBR reactor	Less Stringent Limits Easy to operate Harder to upset Less Costly	Takes longer to clear upset Medium effluent (prone to high TSS) Higher Construction Costs Higher Operating Costs Lowest Replacement Costs	\$ 3,725,200	\$ 21,970	\$ 16,885
3	N/A	Lagoon w/ Land Application	No limits unless discharge Upsets not relevant Meets future rules easiest Lowest Operating Costs	Highest Construction Costs Land Difficult/Impossible to obtain Higher Replacement Costs	\$ 4,610,000 (includes land costs)	\$ 4,942	\$ 35,200