



Lake Limerick Water

Manager's Report May

June 12th, 2020

Lake Limerick Water System: Water Committee Meeting regarding May 2020.

The general condition of the water system is good, with reliable water availability to the customers.

SCADA is regularly monitored and operated everyday.

Well Conditions:

- ✦ Well #1 is operating "normally".
- ✦ Well #2 is still in stand-by and is considered a Seasonal use per Water Rights.
- ✦ Wells #3A/3B are operating "normally".
- ✦ Well #4 is operating "normally".
- ✦ Well #5 is operating "normally".
- ✦ Well #6 is operating "normally".

Water Usage:

6,061,400 gallons were pumped,
5,816,966 gallons were metered from distribution
244,434 gallons net loss
4% Loss

Customer Concerns:

LLWS had 11 regular locates.

Water Sampling:

NWS performed water sampling for the month of May and I've received no dissatisfactory results information. I will be performing this sampling for now on.

Action Items

Well Site #6: There have been issues with the motors having “errors.” I am working to resolve this.

Well Site #4: We has an ant infestation problem. Terminix has come up with a pest control solution and I am contacting the Department of Health to ensure that that are comfortable with the solution.

Alarms still in effect at sites #2 (currently off), and #5 (intrusion alarm).

Electrical Usage in Kwh

	Jan-18	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Total
Well #1	2,170	1,869	2,464	2,463	1,182								10,148
Well #2		2844	1705	508	522								5,577
Well #3	6,319	5,698	4,964	5,800	2,505								25,286
Well #4	775	819	2,168	2,213	4,025								10,000
Well #5	403	720	2,177	1,990	3,620								8,910
Well #6	6,544	4,211	4,131	3,485	9,116								27,488
total:	16,211	16,161	17,609	16,456	20,970	0	0	0	0	0	0	0	87,409

Gallons Per Kwh

	Jan-18	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Gal/Kwh YTD	
Well #1	341	353	370	417	382								373	AVG
Well #2		0	0	0	0								0	AVG
Well #3	293	315	268	379	364								324	AVG
Well #4	276	272	338	334	373								319	AVG
Well #5	61	169	247	252	237								193	AVG
Well #6	241	215	191	149	256								210	AVG
total:	272	229	244	303	289								288	AVG Gal/Kwh combined =

Historical Data

	Pumped	Sold	Loss
2010	69,790,309	66,840,300	4.2%
2011	60,958,882	56,483,665	7.3%
2012	57,963,886	54,775,298	5.5%
2013	56,859,553	54,275,297	4.5%
2014	62,649,611	60,973,228	2.7%
2015	66,109,416	61,749,171	6.6%
2016	66,784,811	62,157,037	6.9%
2017	64,963,044	62,010,322	4.5%
2018	67,149,235	64,162,480	4.4%
2019	79,119,500	61,189,708	22.7%
2020	23,458,100	21,820,371	7.0%
2021	23,458,100	21,820,371	7.0%
2022	23,458,100	21,820,371	7.0%
2023	23,458,100	21,820,371	7.0%
2024	23,458,100	21,820,371	7.0%
2025	23,458,100	21,820,371	7.0%

Updated March 7, 2019 per Water Use Efficiency Guide Book Third Edition (Jan. 2017) per
 WSDOH Division of Environmental Health Office of Drinking Water Pub. DOH 331-375
Distribution System Leakage Notes:

The sources of drinking water (both tap and bottled) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activity.



Importance of Fixing Leaks:

Even small leaks add up to a lot of water over time. The chart at right shows how much water flows through a leak the size of the circle indicated. A pinprick sized hole means 3,600 gallons a month or 43,200 gallons a year. When this water flows through your meter, you are paying for water you are not using and the District is paying to pump this water - extra wear on the pumps and the cost of electricity to run the pump. Help preserve your water system and repair leaks on your service lines. We monitor the distribution system for leaks by visual inspection. Once the system is fully metered, we will be able to check the distribution system leakage on a monthly basis to determine if we have system leaks.








Water Loss In Gallons					
Leak this Size	Loss Per Day	Loss Per Month	Leak this Size	Loss Per Day	Loss Per Month
.	120	3,600		6,640	199,520
•	300	10,800		6,964	209,520
•	693	20,790		8,424	252,720
•	1,200	36,000		9,585	296,640
•	1,920	57,600		11,324	339,720
•	3,095	92,880		12,750	361,600
•	4,295	128,880		14,952	448,560

Table provided by Buffalo Water, www.buffalowater.org

How to Check Your Meter For Leaks:

1. Locate your water meter. It is usually found in a small concrete or plastic box near the street.
2. If you need help locating your water meter, contact the P.U.D.
3. Turn off all water at the house and in the yard, including water-using appliances in the home.
4. Remember to shut off all indoor and outdoor faucets.
5. Check and record the current meter reading.
6. Wait at least 15 minutes before checking your meter again.
7. Remember, DO NOT use any water while you are waiting!
8. Read the water meter again. If the reading has changed, then you may have a leak that may require immediate attention.