

LAKE PEWAUKEE SANITARY DISTRICT



APRIL 2017

Visit us on the web at www.lakepewaukee.org

NATIVE PLANT SALE

The 9th annual native plant sale, sponsored by the District and the Pewaukee River Partnership, will take place Saturday, May 13th, 9AM to 2PM. It will be located in the Village parking lot by the Village Police station, next to Salvo's Pizza on Oakton ave. These are the plants we want to see around the lake. They are ideal for the perennial garden, shoreline buffer or rain garden. Over 30 species are available. A complete plant list may be viewed on the District web site at lakepewaukee.org. All plants will be \$2.25 each with a discount given for purchases of over 12 plants. All proceeds will be used to promote education and restoration projects within the watershed.

LAKE OPERATIONS

The ice went out early this year and we already started putting equipmen into the water. We plan to have transports and shore units in by the 2nd week in April. At that time if the weather permits we will start our Monday and Friday pile pickup with two part time employees. This has become a very well used service with the number of residents stacking weeds increasing every year. We would like to thank all those that participate since this makes our regular shore cleanup more efficient.

While we may start some early harvesting, full operations with both harvesting and regular shore cleanup will begin when our students arrive around the 2nd and 3rd week in May. For more information on the operation or tips on how to maintain your pier area, go to our web site www.lakepewaukee.org or e-mail us at lpsd@wi.rr.com.

LAKE EMPLOYEMENT OPPORUNITIES

We are currently hiring seasonal summer employee's to run equipment and remove aquatic plants. We are looking for people to start as early as May 1st and work through October 31st. We will work with college schedules. \$900/hr, hours are 7 a.m. - 3:30 pm Mon-Friday. Applicants must be 18yrs of age. Call 262-691-4485 for more details.

WHAT IS I AND I?

You may have seen newspaper articles that talk about increased flows during storm events in the surrounding area. One of the major contributors to increased flows is illegal sump pumps connected to the sewer. The other is known as **I and I** and since this is a recurring problem, here is a reprint of an explanation from several years ago.

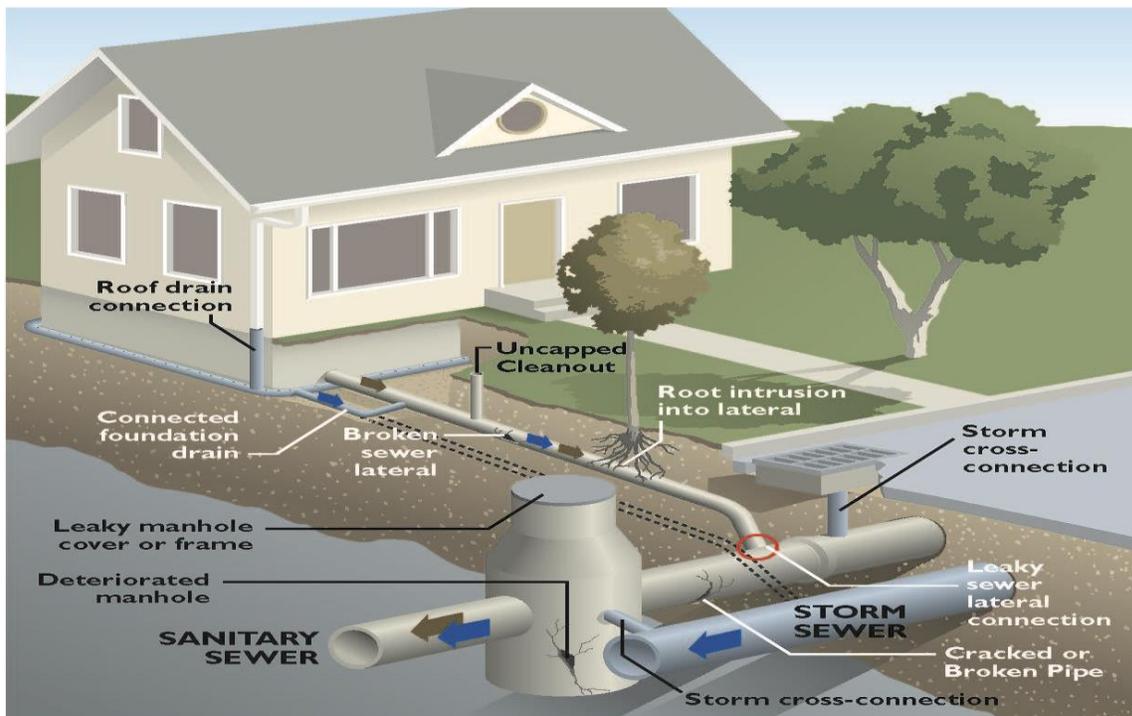
The quarterly sewer user charge that this newsletter arrives with is used to pay all operations and maintenance costs. A major component of those costs is sewage treatment charges at Brookfield that we pay based on a per thousand gallon rate. There are two things that can drive up that cost of treatment. They are known collectively as **I and I**. The first I stands for **inflow**. This is primarily stormwater that enters the system through manholes at the covers or frames. It may also enter from broken off cleanout pipes.

This flow generally comes and goes with the rainfall. The best way to combat inflow is to maintain the manholes. For that reason we spend a great deal of time inspecting and repairing them.

The second I stands for **infiltration**. This is groundwater that enters the system below grade through cracked or broken pipes in the mainline sewer or private laterals. Since it is flowing in and mixing with the sewage flow, it is more difficult to determine where it is coming from. We need to become sewer detectives. If we have unusually high flows in one area of the system, we begin by trying to isolate the main line it is coming from. From there we can continue to narrow the area down until we know between which two manholes the suspected leak is located.

This process may take several days of opening manholes and watching the flows. This brings us to those guys out in the street with the orange flashing lights at 2 in the morning. Since our residential flows drop off between 1:00 and 5:00 AM, this is the best time to look for inflow since it never stops running. Once we have isolated the area we will bring in our camera and pinpoint the exact location so that a repair can be made. Most repairs today are made using a camera and equipment inside the pipe so that we do not have to dig things up.

Is it worth it? One small leak of three gallons per minute running for 24 hours a day adds the same amount of flow as 15 average homes! The cost of that flow has to be paid for by all the residents of the District. If left unchecked, infiltration can end up costing a third or more of your quarterly user charge. For that reason we will continue to track down and repair these problems.



Help us help you keep the cost of our sewer services down. Remove illegal sump pump connections. Disconnect illegal roof drain connections. We will fix our leaks in the main lines and we together can reduce costs of wastewater treatment.

For more questions on sewer leaks and connections or lake operations contact the Lake Pewaukee sanitary District at 262-691-4485, email us at LPSD@wi.rr.com or go to our website at www.lakepewaukee.org