



# 2017

# Irrigation Use

# Restriction

WITH CONSERVATION AND GOOD PRACTICES, YOU CAN REDUCE COSTS AND KEEP VEGETATION HEALTHY

For the past several years we have notified residents asking you to perform even/odd lawn irrigation. We wanted to explain why this restriction is so important and why it should not be taken lightly.

## Your Cooperation Is Appreciated

During the summer season, the Oak Pointe water system experiences days where the demand for water, due strictly to irrigation, exceeds its pumping and production capabilities. This results in low water pressure for many of the water system users. In addition, this is a safety and cost concern. As a result, we are asking for your cooperation in reducing this usage.

This spring, please contact your irrigation professionals, set the automatic sprinkler timers to accommodate the use restrictions, or operate irrigation systems manually by starting them when watering is required.

We understand you have large investments in your landscaping, and we are not suggesting

usage be constrained to the point of damaging those investments. However, with some conservation and good use practices, you can keep vegetation healthy and not create the demand conditions that impact resident's morning showers, diminish our fire suppression systems, or require costly system improvements. In addition, by reducing water usage you can significantly lower your water bill.

We thank you for your consideration and compliance with this request.

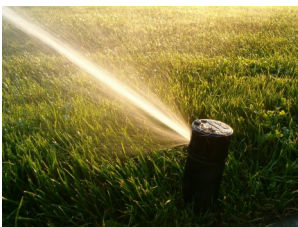
For more information, please contact Genoa Township Utility Department 810.227.5225.



## EVEN/ODD IRRIGATION SCHEDULE

In past years, we have asked for even/odd scheduling. To be more in line with automatic sprinklers, however, we are asking that **BEGINNING JUNE 5, 2017**, all residents with odd street addresses schedule their irrigation during the non-peak hours (late morning or night time) on Tuesday, Thursday and Saturday. Consequently, residents with even street addresses are requested to do the same on Wednesday, Friday and Sunday. All sprinkling is prohibited between the hours of 5:00 am—8:00 am and 7:00 pm—10:00 pm.

By cooperating with these restrictions, residents are not only contributing to water conservation, an environmental issue we all face, but are also avoiding costly system improvements and failure of fire suppression systems due to low water pressure.



## THE PROBLEM...

The Oak Pointe Water System has usage demand during the summer that exceeds the system capacity.

Continued peak demand hours above the system's pumping capacity will require capital improvements to the existing treatment and distribution systems, which would be very costly to the users of the system. As the system meets all capacity demands with the exception of one to two months out of the year, **it is much more cost effective to follow the even/odd irrigation restriction than to make costly, system-wide improvements.**

In addition to irrigation demand exceeding the system's pumping capacity, the high peak demand for irrigation also causes pressure problems.

We see low pressure in the morning between 5:00 am and 8:00 am and also between 7:00 pm and 10:00 pm. These low pressures cause water usage problems for many homes in the system (i.e., low water pressure for taking a shower) and are a safety concern as the fire department needs higher pressures to use the hydrants. Setting automatic sprinklers to run during non-peak hours has proven to be of tremendous benefit to the system.



GENOA CHARTER TOWNSHIP  
2911 DORR ROAD  
BRIGHTON, MI 48116

*Important Information Enclosed*  
*2017 Irrigation Restrictions*

## OAK POINTE WATER SYSTEM FACTS

- SERVES AROUND 1,000 HOMES IN THE OAK POINTE AND NORTHSORE COMMUNITIES.
- **COMPARISON OF OAK POINTE WATER SYSTEM USE IN WINTER VERSUS SUMMER MONTHS:** AVERAGE DAY WINTER USE — 200,000 GALLONS PER DAY. PEAK DAY SUMMER USE — 2,000,000 GALLONS PER DAY (DUE TO IRRIGATION).
- WATER TREATMENT CONSISTS OF DISINFECTION AND IRON REMOVAL WITH A PUMPING CAPACITY OF 1.4 MILLION GALLONS OF WATER PER DAY.
- THE WATER SYSTEM HAS A 150,000-GALLON ELEVATED STORAGE TANK AND A 500,000-GALLON GROUND STORAGE TANK TO PROVIDE EQUALIZATION FOR PEAK HOURLY DEMANDS.
- **ON JUNE 27, 2016, THE 650,000 GALLON TOTAL STORAGE CAPACITY OF OAK POINTE WAS REDUCED TO ONLY 20,000 GALLONS OF AVAILABLE STORAGE DURING THE PERIOD OF 5AM-8AM. DURING THIS PERIOD, RESIDENTS OF OAK POINTE WERE USING WATER AT A RATE OF 3.1 MILLION GALLONS PER DAY WHICH GREATLY EXCEEDS THE SYSTEM'S PUMPING CAPACITY. WATER USAGE AT THIS RATE RESULTS IN DIMINISHED WATER SUPPLY TO FIGHT FIRE.**
- AVOID COSTLY SYSTEM-WIDE IMPROVEMENTS BY SETTING YOUR IRRIGATION SYSTEM TO CORRELATE WITH THE EVEN/ODD REQUIREMENTS IN THIS BROCHURE.