



USES

OASIS water can be used safely on plants you eat. But there are currently some guidelines.

Food that is not:

- Peeled, skinned, cooked or thermally processed
- that means any food that is considered a 'salad crop' like lettuce, tomatoes and berries
- should be watered at the roots or using drip irrigation methods.
- More information can be found at iCanWater.com under useful links. FDEP explains in more detail the uses of reuse water.

You also should not use reuse water for:

- Anything that requires body contact, like pools, hot tubs, wading pools
- Connection on to a house for any purpose, including water-cooled air conditioning
- Any indoor use at all, especially for drinking and cooking
- If you do come in contact with reuse water, simply wash with soap and water.



Did you know?

The Sample McDougald House received the 2015 Reuse Outstanding Reclaimed Water Customer of the Year Award by the Florida Water Environment Association (FWEA). The Sample-McDougald house has used OASIS reuse water

since 2010 for the park and their fruits and vegetable garden. The garden grows bell peppers, onions, tomatoes, broccoli, cabbage, beets, collard greens, green beans, eggplant, pineapple, and sunflowers. Besides saving drinking water, assisting with ocean outfall requirements, mitigating saltwater intrusion, educating the public about reuse water and conservation efforts, irrigating with reuse water reduces the carbon footprint. Also, since reuse water contains nutrients, they can reduce fertilizer consumption, which benefits the County and City fertilizer reduction efforts, as well as the environment. Last year alone, a total of 4,042,873 gallons of reuse water was used.

GRAPHIC DESIGN BY THE PUBLIC COMMUNICATIONS OFFICE



CITY OF POMPANO BEACH
100 W. Atlantic Blvd., Pompano Beach, FL 33060

2015 Reuse Report & Customer Information

OASIS

Our Alternative Supply Irrigation System



CONTACTS

Utilities Department - 1205 NE 5th Avenue, Pompano Beach, FL 33060
 OASIS Hotline 954.324.8434 • Customer Service 954.786.4637
 Cross Connections 954.786.4637 • Reuse Water Quality 954.545.7004
 Web www.icanwater.com • Building Inspections Division 954.786.4670





INTRODUCTION

Dear OASIS Customer:

We are pleased to provide you with the 2015 update on the reuse system. Our reuse water system, otherwise known as OASIS, is providing irrigation water for properties like yours. OASIS provides about 2.6 million gallons per day of irrigation water to our area, and has been in use for twenty six years. We congratulate you on seeing the benefits of reuse, both for our environment as well as for the beauty of your property. OASIS is beneficial especially as watering restrictions limit irrigation using all sources except reuse water. Reuse remains usable any day of the week. We look forward to serving you throughout the year.

The City of Pompano Beach launched its I Can Water campaign in August 2011. This new program connects single family residential customers to the reuse system with no out of pocket expense. Go to icanwater.com or call the hotline at 954.324.8434 for more information or to sign up for the program.

ABOUT INSPECTIONS

The City conducts an inspection of the customer's reuse system before the start of a new reuse service and every 7 years, or when a new reuse account is requested at an existing reuse location. City Inspectors will need to access your property and both water and reuse lines. These inspections are required by state regulations and protect you and your neighbors from possible cross-connections of the two separate systems.

Over Twenty Four Years of Use

Since 1989, the City of Pompano Beach has been using reuse water for golf courses, parks, playing fields and road medians. We also provide reuse water to Lighthouse Point for use in their medians. Over 705 single family homes have connected to OASIS in less than 5 years through our I Can Water program.

Benefits of Reuse for Irrigation.

Some of the benefits of using reuse water for irrigation include:

- Reuse water costs less than potable water
- Decreases need for fertilizers
- Reduces potable water use
- You can water any day of the week (Between 4:00 pm - 10:00 am)
- No sewer costs for reuse water
- Prevents/reduces saltwater intrusion into the drinking water wells
- Reduces the amount of treated wastewater flowing to the ocean from the Broward County North Regional Wastewater Facility
- Delays additional drinking water facility upgrades
- Helps meet future potable water demands

BACKFLOW PREVENTERS

After the City's Building Inspections Division issues the permit, an approved backflow preventer must be installed on the existing drinking water meter to prevent cross-contamination of the drinking water supply. The backflow preventer must be installed prior to installation of the reuse water meter and is tested annually (commercial and multifamily properties only) as required by state law. The City installs, maintains and replaces backflow prevention devices for single family residential reuse customers in the I Can Water program.

Reuse water is carefully tested to meet safety standards. Federal, State and Local regulations govern contaminant levels in reuse water to ensure its safety for irrigation. Reuse water has been used in Florida for more than 40 years with no reported incidence of human illness.

THERMAL EXPANSION

Installation of a backflow preventer assembly creates a closed plumbing system. It is necessary to install a means of controlling thermal expansion in the water supply system. The existing pressure and temperature relief valve attached to the water heater is not permitted to be used for thermal expansion control. One method of achieving this is to install an additional pressure relief valve designed for thermal expansion control. A second method of controlling thermal expansion is by the use of a thermal expansion tank. These tanks are installed on the potable water side and must be properly sized and installed. The City's contractor installs the thermal expansion valve for I Can Water single family residential customers. Contact the City Building Inspections Division at 954.786.4670 with any questions about thermal expansion.

Reuse water must be used responsibly within established guidelines. Reuse water is meant for irrigation and not for human consumption.

OASIS WATER QUALITY

Even though not meant for drinking, the reuse water leaving the plant is tested continuously for specific parameters and annually for drinking water parameters. In 2015, OASIS passed 102 out of 105 annual drinking water tests. OASIS water met DRINKING WATER standards for all tests except Chloride, sodium, and Total Dissolved Solids. Reuse water also contains higher levels of nitrogen and phosphorus compounds than drinking water, which makes reduction of fertilizer use possible.



Analyte	Level	DW Standard
Chloride	274 mg/l	250 mg/l
TDS	736 mg/l	500 mg/l
Sodium	192 mg/l	160 mg/l

* Test results are in parts per million

Learn about our I Can Water program!

