



## USES

OASIS water can also be used safely on plants you eat. The City received the first and only variance to date in the State of Florida allowing reuse to be sprayed on salad crops that will not be peeled, skinned, cooked or thermally processed before consumption. But, as with all fruits and vegetables, including those purchased at stores and markets, always wash them before eating.

**You should not use reuse water for:**

- Recreational purposes, such as a pool or hot tub
- Connection onto a building for any purpose, including water-cooled air conditioning
- Any indoor use at all, especially for drinking and cooking

*If you do come into contact with reuse water, simply wash with soap and water.*

## AWARDS

- 2019 WateReuse Utility of the Future Today Award
- 2018 FW&PCOA Outstanding Website Award - I Can Water Website
- 2018 Resilient Project of the Year from Resilient Utility Coalition - I Can Water Program
- 2017 Florida Water Environment Association Public Education Award



**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 954-545-7018  
Web [www.icanwater.com](http://www.icanwater.com) • Building Inspections Division 954-786-4670

# 2020

## Reuse Report & Customer Information



**Reuse is part of a  
solution to water scarcity**

**Reuse water for irrigation has  
saved us nearly 23 billion gallons  
of potable water since 1989**

**Water is too precious to waste**





INTRODUCTION



**Dear OASIS Customer:**

We are pleased to provide you with the 2020 update on the reuse system. Our award-winning reuse water system known as OASIS, Our Alternative Supply Irrigation System, provides irrigation water for properties like yours. OASIS provides about 2.5 million gallons per day of irrigation water to our area and has been in use for over 30 years. The City of Pompano Beach launched its I Can Water campaign in August 2011 and to date we have added over 1,000 customers, with more every day. This innovative program connects single-family residential customers to the reuse system with no out-of-pocket expense.

We congratulate you on taking advantage of this conservation opportunity and assisting us in saving nearly 23 billion gallons of drinking water since 1989. Please visit [www.icanwater.com](http://www.icanwater.com) or call the OASIS Hotline at 954-324-8434 for more information.

31 YEARS OF USE AND GROWING

Since 1989, the City of Pompano Beach has been using reuse water for golf courses, parks, playing fields, and road medians. Over 1,000 single family homes have connected to OASIS over 9 years through our I Can Water program. The City is continuing to expand the reuse system into Pompano Beach and Lighthouse Point. The third phase of Lighthouse Point is almost complete, and construction will soon begin for the NE 16th Street Pompano Beach expansion.



Celebrating our 1,000<sup>th</sup> Reuse Connection

REUSE BENEFITS

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

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

Learn more about our I Can Water program at [www.ICanWater.com](http://www.ICanWater.com)

OASIS WATER QUALITY



Even though it is not intended for drinking, the reuse water leaving the plant is tested continuously for specific parameters and annually for drinking water parameters. In 2020, OASIS passed 94 out of 96 annual drinking water tests. OASIS reuse water MET DRINKING WATER standards for all tests except those shown in the table below. Reuse water also contains higher levels of nitrogen and phosphorus compounds than drinking water, which makes less fertilizer use possible.

Analyte	Level	Drinking Water Standard
Total Dissolved Solids	519 mg/L	500 mg/L
Nitrite	2.1 mg/L	1 mg/L
milligrams per liter (mg/L)		

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

BACKFLOW PREVENTERS

After the City's Building Inspections Division issues the reuse 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 multi-family properties only) as required by state law. The City installs, maintains and replaces the backflow prevention devices for single-family 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 must be installed on the drinking 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.

ABOUT INSPECTIONS

The City of Pompano Beach conducts an inspection of the customer's reuse system before the start of a new reuse service and every 10 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 water systems.

