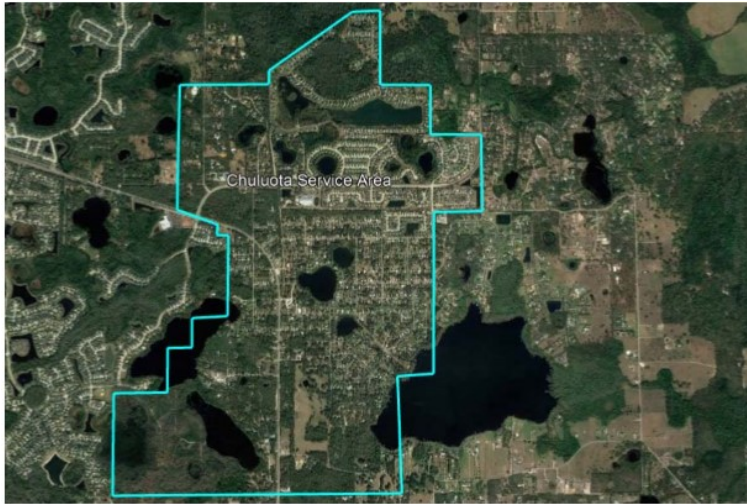

CHULUOTA SERVICE AREA



Water System Summary

The Chuluota water system has 1 water treatment plant as well as another water treatment plant converted into a booster station for additional treated storage and pumping capacity. The water plant is a Category IV Class C facility and is located at the intersection of Avenue H and Brumley Road in Chuluota. The booster station is located on 7th Street between County Road 419 and Tropical Avenue. The Chuluota system is permitted by the Florida Department of Environmental Protection.

Chuluota is authorized by the St John River Water Management District to withdraw an annual average daily flow AADF of 05040 gallons per day of groundwater for general use from its four wells. The Water Use Permit was issued on May 2, 2013 and expires on October 9, 2032.

Water System Components

The water treatment plant consists of the following -

- Two (2) raw water wells with vertical turbine pumps
- Chloramine disinfection system with sodium hypochlorite and ammonia
- One (1) Tonka anion exchange system for total organic carbon TOC and H₂S removal
- Two (2) ground storage tanks 05000 gallon and 03000gallon with aerators
- Two (2) transfer pumps between the ground storage tanks
- Three (3) high service pumps
- One (1) 10,000 gallon hydropneumatic tank and
- One (1) emergency generator

The Chuluota booster station formerly Water Treatment Plant1 consists of the following-

- Two (2) raw water wells with vertical turbine pumps
- Chloramine disinfection system with sodium hypochlorite and ammonia
- One (1) 100,000 gallon ground storage tank with an aerator
- Two (2) centrifugal high service pumps
- One (1) 10,000 gallon hydropneumatic tank and
- One (1) emergency generator

Wastewater System Summary

The wastewater system has one wastewater treatment facility which is a Category II Class C facility and is located at the end of 10th Street east of County Road 419 in Chuluota. The plant has a permitted capacity of 0150 MGD and serves 664 connections. The Chuluota WWTF is regulated by FDEP permit which was issued on April 6, 2010.

Wastewater System Components

- The wastewater plant consists of the following
 - One (1) fine screen
 - One (1) equalization basin with splitter box and two 2 transfer pumps
 - Two (2) aeration basins
 - Two (2) clarifiers each with two 2 RASWAS pumps
 - Two (2) digesters
 - One (1) disk filter
 - Liquid chlorination for disinfection
 - One (1) chlorine contact chamber
 - Two (2) effluent transfer pumps and
 - One (1) emergency generator
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