

## JEFFERSON COUNTY ENVIRONMENTAL SERVICES PRUDES CREEK WATER RECLAMATION FACILITY

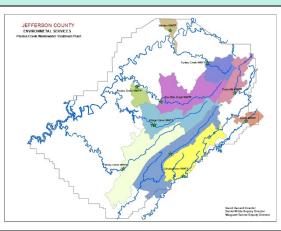
## CONSTRUCTED: 1986 | PERMITTED AVERAGE CAPACITY: 0.9 MGD | PEAK FLOW CAPACITY: 3.5 MGD



Facility Description

The original Prudes Creek Water Reclamation Facility (WRF), completed in 1986, consisted of a 600,00GPD sewage treatment plant, 2 -influent pump stations with chlorine disinfection, a trunk line sewer, and an outfall sewer. It was and is one of the smallest of the nine Water Reclamation Facilities in the Jefferson County Sewer System.

- Prudes WRF was upgraded in 1998, and 2006
- Today, Prudes Creek is a 0.9MGD extended aeration WRF
- It has a Peak flow capacity of 3.5MGD
- Three Oxidation ditches provides aeration
- Three Clarifiers followed by sand filtration, makes it a Tertiary Treatment WRF, with UV disinfection
- It's receiving stream is Five Mile Creek
- Regulated by ADEM as a small WRF
- The service area are portions of Graysville and Adamsville
- 85% of the developed area is residential and commercial



## 500 Water Trail Graysville, AL 35073

## Capital Improvement Project In the 1998 Upgrade, additions included:

- A new Administration Building
- Above ground fuel storage tank
- UV Disinfection Unit installation
- Brush Rotor Covers
- Grit self-priming pump & piping
- Upgrades to both influent pump stations
- Gravity Thickener

Budget: (Actual or estimated)

Capital Improvement Project 2004 -2006 Max Foote Construction Co., Inc. Project No. 01516

- Aeration Basin #3, 2-rotors, 1-mixer
- 5000gal Above Ground Diesel Tank
- Clarifier #3

Budget: \$5,767,000.00

Director: David Denard | Deputy Director: Margaret Tanner | Plant Manager: David Humphryes

