

## Lead and Copper Inventory

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### Walnut Hill Water Authority

PWSID: 0001289

7791 Hwy 50, Dadeville, Al. 36853

Phone: 256-825-9841 Fax: 256-825-9848

Email: [robin.east@walnuthillwater.com](mailto:robin.east@walnuthillwater.com)

Website: [www.walnuthillwater.org](http://www.walnuthillwater.org)

Walnut Hill Water Authority has approximately 340 miles of water lines in its distribution system serving approximately 3719 customers. Of those 340 miles, approximately 30 miles are cast iron or ductile iron, while the remaining 310 miles are PVC (manufactured after 1977 and free of lead plasticizers).

Contained within this system are items that contain the following:

- Lead

Home Plumbing with Lead Components

- Copper

Copper service lines

## **Home Plumbing with Copper Components**

**Locations of these items are as follows:**

- **ALDOT requires all service lines that cross state highways be made of type K copper. We serve approximately 240 customers along state highways, Hwy 49 and Hwy 50, half of which can be assumed to be served with a copper service line. Approximately another 25% of our system has copper service lines. We use brass and rubber compression fittings rather than lead solder to join together copper with other implements.**

**Of the approximate 3719 brass water meters we use, less than 1% of them do not meet the low lead standards introduced in the 'Reduction of Lead in Drinking Water Act' enacted on January 4<sup>th</sup>, 2014.**

- **We estimate that 60% of the homes and other structures on our system contain copper plumbing. Of that 60% we estimate 50% were built on or before 1983.**

**For more information about how Walnut Hill Water Authority conducted its Lead and Copper Materials Inventory, please contact:**

**Manager Robin L. East**

**Phone: (256) 825-9841**