

# City of Robertsdale

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## LEAD AND COPPER MATERIALS INVENTORY

For The

ROBERTSDALE WATER SYSTEM  
PWS-ID: AL0000061

Date  
MAY 13, 2016



LEAD AND COPPER MATERIALS INVENTORY  
ROBERTSDALE WATER DEPARTMENT  
CITY OF ROBERTSDALE

The City of Robertsdale has approximately 86.3 miles of water lines in its distribution system serving approximately 3,352 customers. Of those 86.3 miles, approximately 0.28 miles are cast iron, 13.82 miles are ductile iron, while the remaining 72.2 miles are PVC and HDPE. Contained within this system's distribution system are items that contain the following:

➤ **Lead**

- Lead Piping
- Lead Solder
- Lead Caulking
- Lead Alloys
- Home Plumbing with Lead Components

➤ **Copper**

- Copper Piping
- Copper Alloys
- Copper Service Lines
- Home Plumbing with Copper Components

Locations of these items are as follows:

- It is estimated that approximately 8-15% of the existing water services could have lead piping. Most of these exist on service lines along Florida St, W. Hammond St., Carolina St., Georgia St., Stoddard St., Beverly St. However, many have been replaced over the past 20 years when leaks have been repaired, with materials not containing lead.
- It is believed that there are still several sections in the old downtown area that may have cast-iron mains with lead packed joints such as Wisconsin St. & Michigan St. between E. Chicago St and Hwy 59 N, Wilters Street between E. Chicago St and Hwy 59 N. In areas where mains have been replaced/repared, this material has been removed and replaced with lead free materials.
- Since 1999 all new service lines that have been installed/replaced have been made of Type K Copper. It is estimated that over 60% of all customers have copper service lines. We use brass and rubber compression fittings rather than lead solder to join together copper with other fittings/implements.
- Of the approximate 3,352 brass water meters we use, approximately 75% of them do not meet the low lead standards introduced in the "Reduction of Lead in Drinking Water Act" dated January 4, 2014. Each meter that has been replaced or installed since the enactment of the "Reduction of Lead in Drinking Water Act" carries the NSF/ANSI 61-G low-lead certification.
- It is estimated that of the 3,352 homes and other structures with running water, 20% contains lead and/or copper plumbing. Of that 20%, we estimate 40% were built before 1983.

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For more information about how City of Robertsdale Water Systems conducted its Lead and Copper Materials Inventory, please contact:

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