



Township of Royal Oak Water Supply System

The Oakland County Water Resources Commissioner (WRC) completed a preliminary Distribution System Materials Inventory (DSMI) as required by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). The inventory concluded that the majority of the 770 service lines connected to the Township's water supply system are of unknown material, but likely copper, galvanized, or lead.

WRC started operating and maintaining this water system in 1990. There is limited information available to WRC to determine what service line material was commonly installed in this water system. The data to date does not provide enough information to accurately determine where lead service line material may be found. WRC has been collecting service line material data on our work orders and inspections since 2016 and will continue to investigate.

1930s -The Royal Oak Twp water system was constructed primarly during this decade.

City of Detroit entered into a contract to provide Royal Oak Twp drinking water.

Up to the 1940s lead was commonly used as a serivce line material.

1974 -The Safe Drinking Water Act (SDWA) was created. The SDWA defined lead free as solder and flux with no more than 0.2% and pipes/fixtures with no more than 8% lead.

1990 -WRC began operations of the Royal Oak Twp water system. 1991 -The Environmental Protection Agency (EPA) published the lead and copper rule (LCR). The maximum allowable level of lead in wetted surfaces was lowered from 8% to 0.25%.

2018 -EGLE revised the Michigan Lead and Copper Rule. The preliminary Distribution System Materials Inventory was submitted to EGLE.