

**Summary of Department of Environmental Quality (DEQ) Actions
In Response to the
EPA Emergency Administrative Order
Updated: February 24, 2016**

Chapter 54a: Existing inventory of homes with lead service lines in Excel or similar format.

EPA Order Due Date: 01/31/2016

The following is based upon historical parcel documentation provided to the Department of Environmental Quality by the City of Flint and Genesee County and does not reflect "as built" construction plans or field verified conditions.

- 56,254 Parcel Records in the database in the City of Flint.
- 29,211 were done previously to the DNR taking on this project. (52%)
- 27,043 parcels tasked to the DNR to get information. (48%)
- As of 3:00pm on Thursday January 28th, 2016, DNR had completed all 27,043 records, along with an additional 130 parcels lying outside the Corporate City Limits of Flint.

- 5,282 parcels showing lead service lines
- 25,302 parcels showing other types of service lines
- 25,800 parcels having an unknown type of service lines

While 25,800 parcels from the historic parcel records were identified as having an unknown type of service line, additional data analysis has been able to refine that number down to 10,618 based upon:

- Identification of residential parcels only
- Vacant lots
- Unoccupied homes

On February 10, 2016, the Department of Environmental Quality initiated a "sentinel site" program targeting 402 residential parcels. This program includes a plumbing inspection to indicate the material of the service line entering the home. Additional plumbing inspections are also conducted for home visits where residential water samples are greater than 100 ppb. These plumbing inspections serve as a field verification of the service line material entering the home from the valve box which allows for a partially updated parcel record. The other portion of the service line associated with the parcel record is the segment that goes from the valve box to the curb main.

The Department of Environmental Quality is currently developing a strategy to inventory and identify both portions of the service line (from the home to the valve box and from the valve box to the curb main) over the next 30 to 45 days using a combination of field verification techniques including:

- Ground penetrating radar
- Sequential water sampling
- Hydrovac excavation at the valve box