

LEAD AND COPPER STUDY 2019 TIMELINE

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DECEMBER 2018

1. Identify 2016 Study Tier One sites;
2. Identify additional 50 SFR with LSL;
3. Identify additional 50 SFR CLS date of build 1983 - 1986.

JANUARY 2019

1. Set up the purchase order (PO) for 100 lead and copper samples using EPA Method 200.8 or 200.9 ; request a 10 day turn - around time; request lab certification;
2. Set-up PO for 100 1-Liter wide mouth plastic sample bottles;
3. Set-up PO for concentrated HNO₃;
4. Set-up PO for bags and 500 mL sample bottles for WQP;
5. Robert Lichenthal arranged a meeting to discuss status updates for GIS, Citiworks, and Water Quality, regarding the distribution system, sites identified and confirmed for lead and copper, and how to proceed with customer communications. Meeting included: Scott , Walt Kline, Dennis Ball, Jeff Shlierf, Mike McAuley, Terry McCracken, Russ Stoll and me:

Scheduled January 7, 2019

The list generated for homes with lead service lines(LSL) has approximately 110 addresses. The list generated for homes with copper with lead solder (CLS), built between 1983 and 1986, has approximately 4000 addresses.

The database for homes with LSL's will continue to grow as updates are added.

6. Letters are being drafted, and reviewed by legal, to be sent to the homes with known or suspected LSL's. The letters are to request an inspection by our meter shop personnel and to interest residences to participate in the 2019 Lead and Copper Study. These letters are to be sent in January, 2019, to all 2016 Lead and Copper Study participants and the remainder of homes on the 110 LSL list. Our goal is to obtain 50 of these homes for the study.

As soon as customers respond to the letters, arrangements will be made for meter shop personnel to go to the home and do a visual inspection of the service line at the meter. This will occur even for those residences who participated in the 2016 Study, because in some instances changes may have been made to the residence's home, ie. service line replacement, in-home water softener addition, etc. If we don't receive responses after the letters are sent, customer service will begin to contact residences by phone to set-up meter inspections and to request the residences' participation in the 2019 study.

7. Set up training for Water Quality on Citiworks/GIS

March 2019

1. Have the 100 study sites (50 LSL/50 CLS) list finalized - Send a copy to the DOH for approval. Complete the EPA worksheet #2 "Materials Survey Results by Number of Service Connections For Each Plumbing Materials Type" ;
2. Plan and organize a schedule for drop off and pick-up of samples with the participating customers.

APRIL & MAY 2019

1. Write sampling instructions for customers using an EPA template;
2. Put together the sample bags including bottles and chain of custody (using EPA template);
3. Arrange for an extra vehicle for Water Quality;
4. Write a SOP/QA/QC for lab personnel for field work and reporting (for me).

JUNE 2019

1. Drop off Sample bags at resident homes;
2. Once the sampling is complete, pick up sample bags and bring them back to the laboratory for acidification by our chemists;
3. Pack samples to ship or deliver to contract lab for analysis ;
4. As part of the EPA Lead and Copper Study, 10 compliance sites will be tested for Water Quality Parameter (WQP) testing (see Pb&Cu Study 2016);
WQP: pH and temperature performed in the field, Ca hardness (converted to Ca), alkalinity performed in the lab by the chemists;
5. As part of the EPA Lead and Copper Study, entry points (EP) will be tested at each WTP for WQP.

JUNE-JULY 2019

1. Review Results;
2. Calculate 90th percentile each for Lead and for Copper;
3. Send letters to the customers who participated in the study with their individual results (using an EPA template) within 10 days. If the home exceeded the limit for Pb or Cu, a letter must go out within **two** days with their results and educational material on how to minimize the residents' exposure to lead and copper;
4. Send Lead and Copper Report and WQP report and copy of the customer letters to the DOH using - Form 141-A .

AUGUST - SEPTEMBER 2019

1. Any resample and analysis with the results letter must be completed by the end of September, 2019;
2. Retest, from June, the 10 compliance sites to be used for WQP testing (see Pb&Cu 2016)
WQP: pH and temperature performed in the field, Ca hardness (converted to Ca), alkalinity performed in the lab by the chemists;

3. Test EP's for a second round of analysis at each WTP for WQP's;
4. ALL TESTING AND RESULTS REPORTING TO THE CUSTOMERS MUST BE COMPLETED BY THE END OF SEPTEMBER.

OCTOBER 2019

1. RESULTS MUST BE REPORTED TO THE DOH NO LATER THAN THE 10TH OF OCTOBER.

Last revised: January 3, 2018

