



PORTSMOUTH WATER SYSTEM'S FREE LEAD TESTING & SERVICE LINE INVENTORY UPDATES



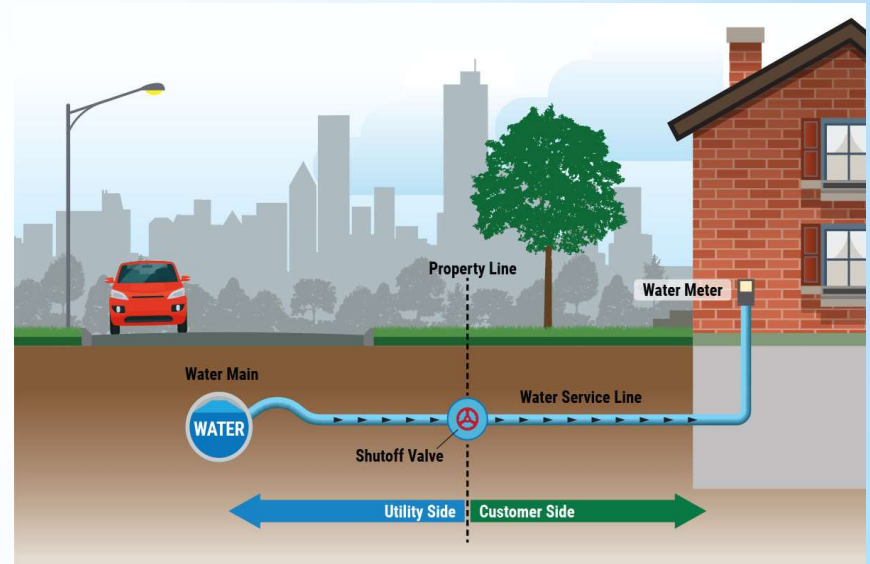
BY MASON CACERES

WATER QUALITY SPECIALIST II



TALKING POINTS

- FREE LEAD TESTING OPPORTUNITY UPDATES
 - RESULTS
 - DETECTED VS. NON-DETECTED CONCENTRATIONS
 - IN-HOME SAMPLE LOCATIONS
 - OUTREACH ANALYSIS
- LEAD AND COPPER RULE REVISION - SERVICE LINE INVENTORY EFFORTS
 - GENERAL TIMELINE (REGULATORY & INTERNAL)
 - PORTSMOUTH'S IDENTIFICATION PLANS
 - WEBSITE UPDATES
 - OUTREACH SUCCESSES W/ ZONE APPROACH
 - PROGRESS REPORT
 - KEY TAKEAWAYS



**GET THE
LEAD OUT!**

Important information about
drinking water and lead



FREE LEAD TESTING OPPORTUNITY

- Press release published October 5, 2023.
- Other forms of outreach:
 - Portsmouth Herald article - published 10/10/23
 - City Newsletters
 - Post cards distributed during Lead Poisoning Prevention Week
 - Residents notified through service line inventory process
- 44 responses to outreach - participants provided email with “ThinkBlue” retrieval code.
- 22 have submitted their samples and received results.
- Leaves half of sample pool that have not followed through with collection process.
 - Reminder emails underway

FREE WATER TESTING FOR QUALIFIED WATER CUSTOMERS



The City of Portsmouth Water Division monitors for lead in drinking water in the Portsmouth and Pease Tradeport Water Systems to make sure there is no detectable lead in the City’s supply. However, buildings with old plumbing systems could have lead components that may leach lead into tap water. Lead is particularly harmful for children under 6 years old.

PORTSMOUTH WATER CUSTOMERS MAY QUALIFY FOR FREE TESTING

The City is contracting with an accredited laboratory to provide one sample kit (per residential customer) to test for lead in drinking water for customers served by the Portsmouth and Pease Tradeport Water Systems.

HOW CAN I TAKE ADVANTAGE OF THIS OPPORTUNITY?

Contact Mason Caceres, Water Quality Specialist II, at (603) 312-3804 or mecaceres@cityofportsmouth.com for a one-time code that will allow you to obtain a sample kit. Detailed instructions will be provided.

* The city has budgeted \$2,500 for this program. Kits will be distributed while supplies last.

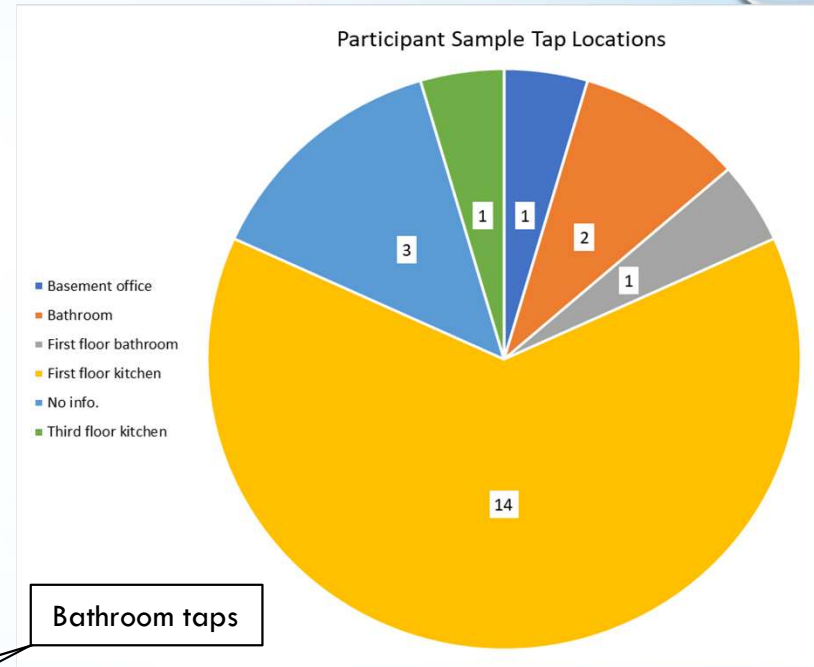
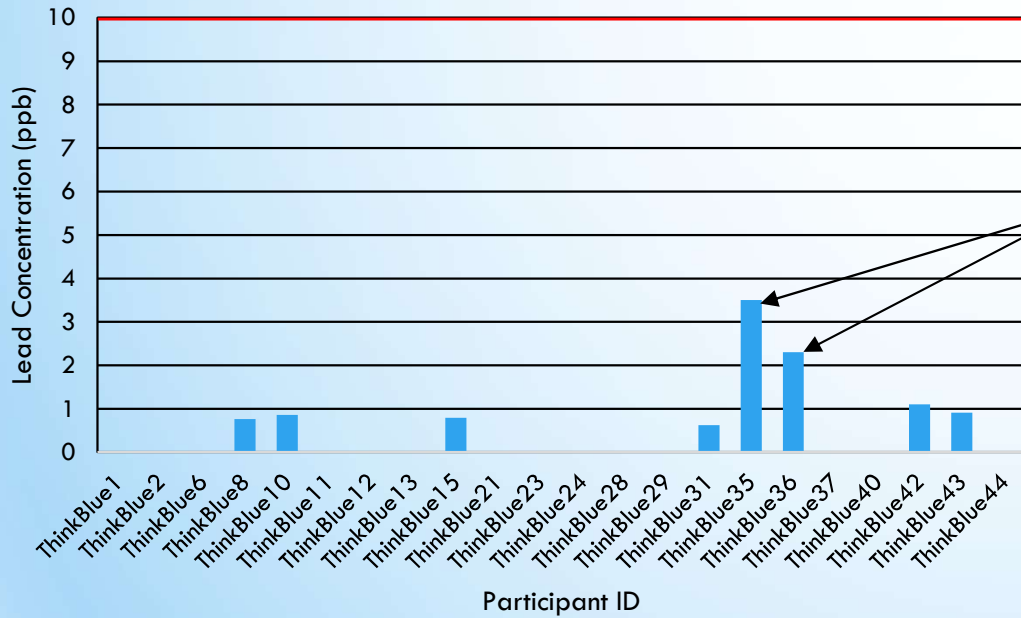


Think Blue!

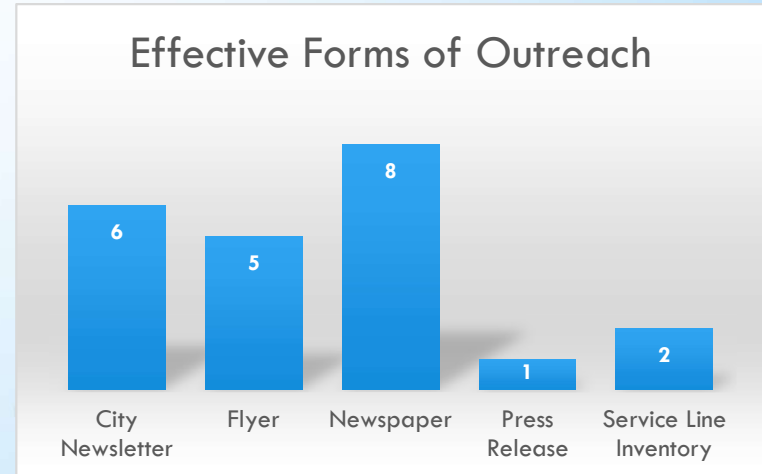


RESULTS SINCE ROLLOUT (OCTOBER 2023)

Lead Testing Opportunity – Concentration Results per Participant



Bathroom taps



LEAD SERVICE LINE INVENTORY - TIMELINE

EPA's LCRR

- December 16, 2021 – EPA announces intent to strengthen the regulatory framework on lead in drinking water.

EPA's Guidance for Developing and Maintaining a Service Line Inventory

- August 4, 2022 – Document published to help water systems comply with the Lead and Copper Rule Revisions requirement to prepare and maintain an inventory of service line materials by October 16, 2024.

Portsmouth Water Division Begins Planning for Inventory Efforts

- October 2022 – Start compiling information from tie cards, work orders, GIS, databases, etc. to identify 'known' vs. 'unknown' service line materials throughout distribution system.

Start Developing Customer-Side Inspection Plan

- July 2023 – Portsmouth Water Division initiates frequent meetings to discuss outreach efforts, field crew identification process, scheduling protocols, etc.

EPA's LCRI

- November 30, 2023 – EPA announces changes to LCRR with new protocols outlined in 600-page document.
- Remains under public comment.

Launch Customer-Side Inspection Efforts

- February 5, 2024 – Portsmouth Water Division staff start door-to-door and scheduled service line material identifications.

PORTSMOUTH'S SERVICE LINE INVENTORY PLAN

1. Identify what Portsmouth has for information on ALL service line materials (~8400 in total, separating private side & utility side).
2. Apply for and receive approval on NHDES \$75k grant.
3. Create workflow for identifying unknown materials on private side services.
4. Educational efforts through city website.
<https://www.cityofportsmouth.com/publicworks/water/service-line-inventory>
5. Creation of press release & outreach materials for property owners.
6. Provide options to schedule service line inspection or self-identification.
7. Get to work!
 - Inventory submission deadline: October 16, 2024



**CITY OF PORTSMOUTH, NH
WATER DIVISION**




The water department needs access to your water service line to identify the incoming pipe material.

LEAD SERVICE LINE INVENTORY (LSLI):

The purpose of this effort is to make sure your service line does not have the potential of leaching harmful lead into your drinking water. Every water system throughout the country must have a full inventory of service line materials by October 16, 2024. Your participation is a benefit not only to the water system, but to you and your family's health.

Please call or email Mason Caceres, Water Quality Specialist II, to schedule a time for city staff to identify your service line within the month you've received this tag.

If you would prefer to identify your service line material without the assistance of city staff, access the website link below for further instructions:

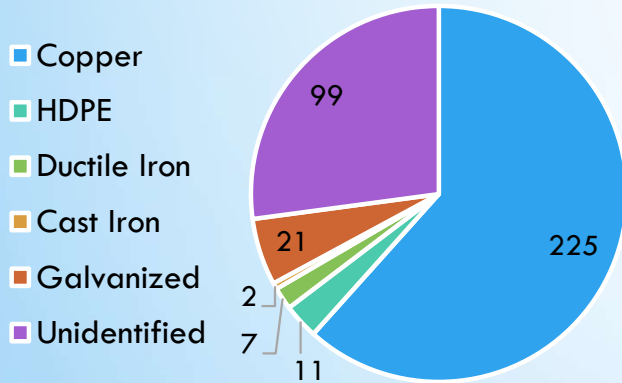
  

portsnh.co/ServiceLineID

Phone #: 603-312-3804
Email: waterservice@cityofportsmouth.com
Hours of operation:
Monday - Friday 7:30 AM - 4:00 PM

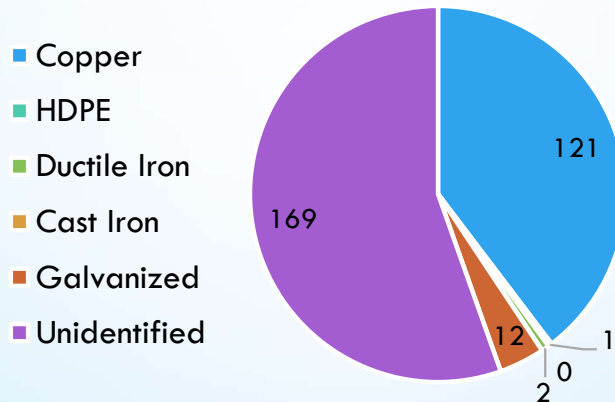
ZONE APPROACH - UPDATES

Zone 1 Customer-Owned Service Line Materials



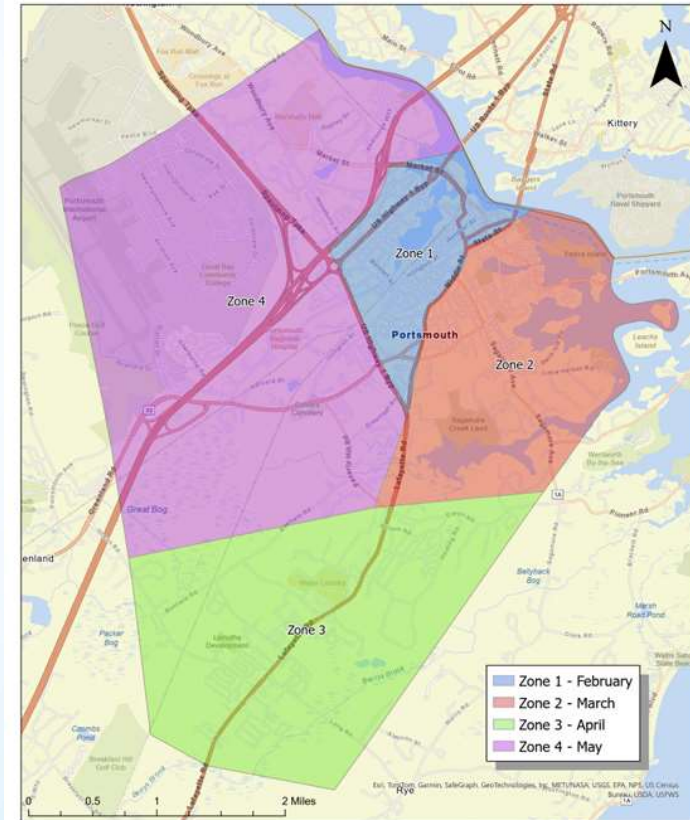
Total service connections within Zone 1 = 365

Zone 2 Customer-Owned Service Line Materials (ongoing)



Total service connections within Zone 2 = 305

2024 Portsmouth Water Service Verification Zones

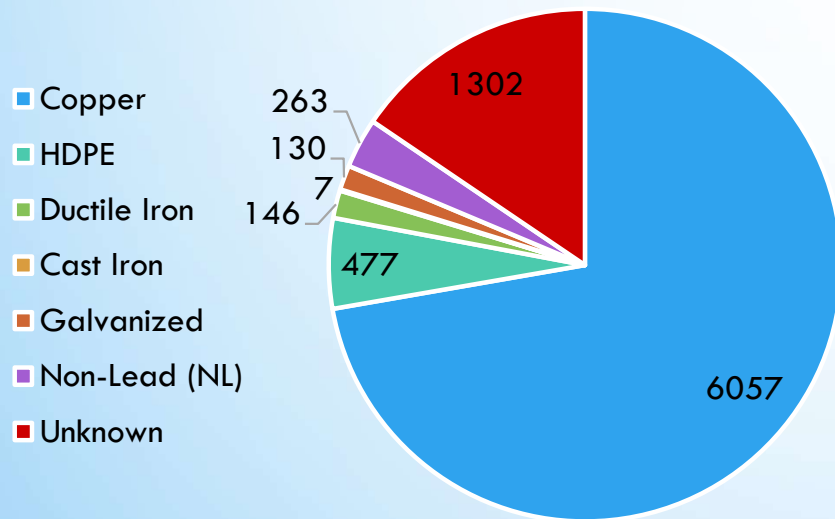


The City of Portsmouth has been divided into 4 Zones based upon population density. This allows the municipal staff to effectively manage the process of verifying materials at an estimated one zone per month. Note - this map does not contain areas of other towns to which we serve.



SERVICE LINE INVENTORY STATUS REPORT - TOTAL

Portsmouth's Customer-Owned Service Lines



- Total service connections throughout Portsmouth's distribution system: 8,382
- Pipe material identified on customer side: 7,080
 - 1,302 remaining
- Material identified on city side: 6,572
 - 1,810 remaining – visual inspection via potholing
 - All known materials identified as non-lead
- **No sign of lead service lines (on either side)!**
- 130 galvanized services found so far
 - Will require replacement under LCRI

KEY TAKEAWAYS

- Preparation of publicly available inventory of service line materials and LSL replacement plans will be submitted by October 16, 2024.
 - Zone 3 customer-side identifications coming in April
 - City-side potholing starting soon
- Must replace 100% of LSLs and GRRs within 10 years.
- Must verify 100% of unknown service line materials within 10 years.
- Lowering of lead action limit from 15 ppb to 10 ppb.
- Additional outreach and required filter distribution for systems with more than 3 action level exceedances in a 5-year period.



QUESTIONS?

DETERMINE IF YOU HAVE A LEAD SERVICE LINE
OR INTERIOR LEAD PLUMBING OR SOLDER.

REPLACE PLUMBING FIXTURES AND SERVICE
LINES CONTAINING LEAD.

RUN THE COLD WATER TO FLUSH OUT LEAD.

USE COLD WATER FOR COOKING AND PREPARING
BABY FORMULA.

DO NOT BOIL WATER TO REMOVE LEAD.

USE ALTERNATIVE SOURCES OR TREATMENT OF WATER IF
THERE IS CONFIRMED OR SUSPECTED LEAD-CONTAINING
MATERIALS IN YOUR HOME OR BUILDING.

REMOVE AND CLEAN AERATORS/SCREENS
ON PLUMBING FIXTURES.

TEST YOUR WATER AND FAMILY FOR LEAD.

GET YOUR CHILD TESTED.



STEPS TO REDUCE EXPOSURE FROM LEAD IN DRINKING WATER



Mason Caceres – Water Quality Specialist II

email: mecaceres@cityofportsmouth.com

phone: 603-312-3804

