



Update for September 2023 LCR Sampling

September 6, 2023



Introductions and Training Logistics

- Everyone is muted – please use raise hand or chat function, or just unmute and ask your question.
- Put your name, affiliation and email address in the chat to ensure TCHs are received.
- There will be some content questions – answer using the chat function.
- There will be a survey link and QR code at end – please fill it in



Sampling will begin this week

- Bottles are ready at Chelsea and Southboro labs
- Residential sampling can begin now – all in before end of October
- School sampling should occur once school has been in session for a few days or longer – sample schools Tuesday to Saturday
- Deliver samples within a week
 - Can make multiple deliveries
- Questions:
 - Call Beverly Anderson
 - 857-270-1027





Few key issues we wanted to remind you of

- Importance of *verified, DEP-approved* sampling plans
- New 24-hour Public notice requirement if over Action Level (AL)
- 3-day notification requirement for any individual sample over AL
- “Find and Fix” requirements for any sample over AL

- Upcoming forum on changes to LCR and deadlines in in 2024.
 - September 26 -- 9am to noon – in-person with remote option
- Current water quality conditions update (while we have you)



Importance of Verified Sampling Plans

- If you have Lead Service Lines (LSL), priority is to sample those homes
- If your plan says a site is a LSL, verify that it is!
- EPA audits have found sampling plans with inaccurate site designations
 - Sites identified as LSL, but
 - Never were lead, or have been replaced
 - Mis-identification resulted violations
- Use an alternate site of same tier
 - (unless original had result over AL)





24-Hour Public Notice

- EPA is imposing this new requirement in advance of the LCR Revisions
- If a community 90th percentile is over the Action Level:
 - 24-hour public notice using newspaper and other media
 - New template for notice – *focus is on LSL*
- Recommend discussing with town officials and preparing in advance
- Timing trigger is completion of all lab results, but could still be a surprise
- MWRA available to assist with notice and follow up activities
 - Still need to do mailed public education brochure (also new)

WATER DEPARTMENT DRINKING WATER NOTICE:

Some homes have high levels of lead

This notice contains important information about your drinking water. Have someone translate it for you or speak with someone who understands it.



3-Day notice for any sample over the Action Level

- EPA is imposing this new requirement in advance of the LCR Revisions
- MWRA will immediately email and call for any result over the AL
 - Will provide letter template and reminder
- Town must let sampler know with three days – call and mail
 - Let them know you will do an investigation
- Keep records of all actions with dates and copies
 - Another area of problems in EPA audits



“Find and Fix” requirements for any sample over Action Level

- EPA is imposing this new requirement in advance of the LCR Revisions
- Follow-up within 30 days
 - (You will already have provided data within three days)
 - Offer to investigate causes
 - Offer investigatory sampling (can be anything useful)
 - Consider removing LSL
- Keep good records of all actions and results
 - Including all phone calls
- MWRA will also do some system sampling





Upcoming forum on LCR changes and deadlines

- Several major deliverables due October 16, 2024
- Lots of new requirements in place after October 2024
- Lead and Copper Rule Changes Forum:
 - September 26th 9 am to noon
 - MWRA Chelsea office
 - Remote option
 - TCHs offered
- Registration info available soon





Please answer these questions in the chat and take the survey at the link or QR code

1. What happens if a water system's 90th percentile is over the lead Action Level of 15 ppb?
 - a) They must issue a public notice with 24 hours
 - b) They must distribute a public education brochure to all customers
 - c) Include lead information in next years CCR
 - d) All of the above

2. Which requirement is new? a, b or c?

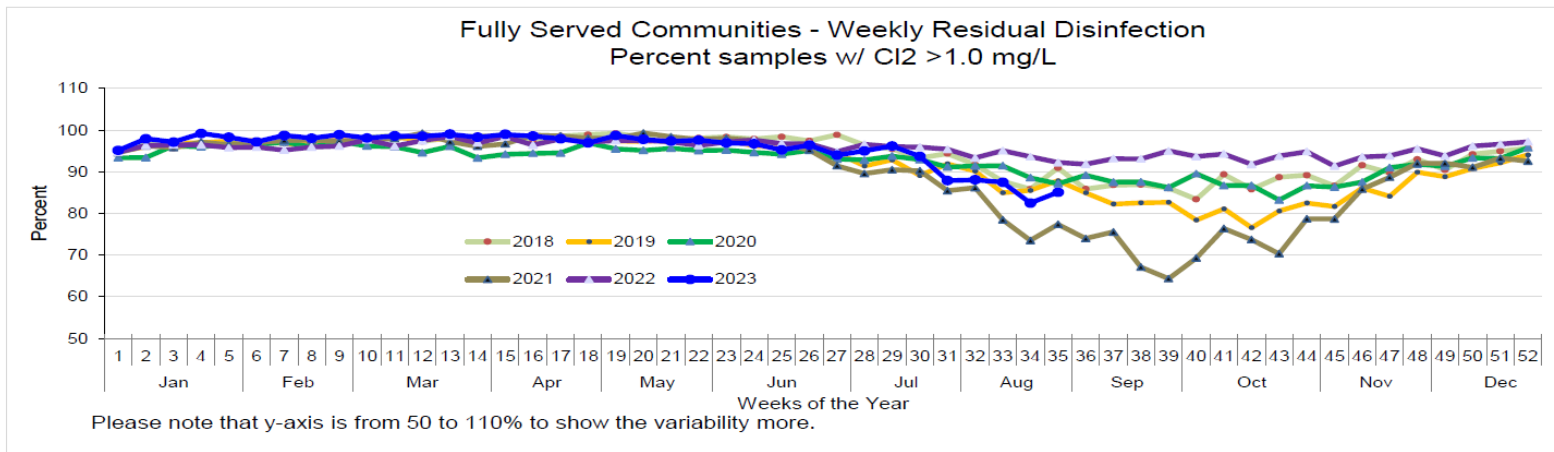


Community Trends

- **Distribution**

- Another wet summer! Similar to 2021
 - Quabbin transfer
- Chlorine decay through community distribution systems
 - Some lower Cl₂ and increased TC+
- Worked with disinfection committee – tried to stay ahead of the curve
 - Changed Cl₂:NH₃ ratio

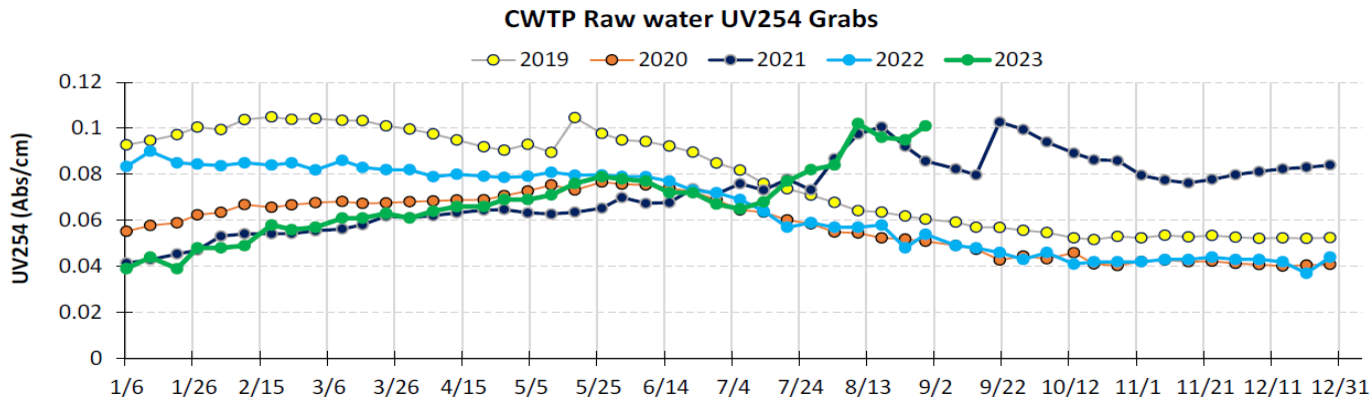
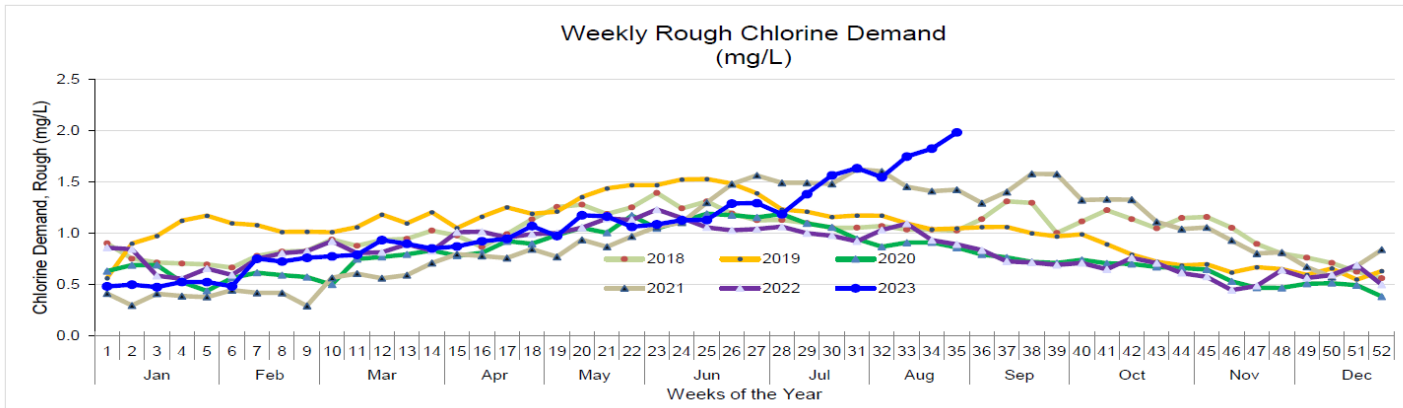
Weekly Residual Disinfection Status
Week ending September 1, 2023





Where are we now – UV254 and Chlorine Demand

- Cl₂ demand – higher than 2021 – dosing at 4.7 mg/L
 - Aim for 2.2-2.5 mg/L at 9A
- Elevated UV254 – similar to 2021 – could lead to higher Pb levels



Questions or Comments?

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Drink with Confidence
Flush with Pride

This presentation represents the opinions of the author and not necessarily those of the MWRA



To qualify for TCHs --

- Please fill out the survey at this link or scan the QR code below:

<https://www.surveymonkey.com/r/PB8DMXC>

