# Safe Water Advisory Group (SWAG) A City Council Advisory Committee Meeting Minutes

### Wednesday, February 23, 2022 at 6:30 – 8:30 pm. City Hall Conference Room A and via Zoom

Attending in person: Andrea Amico and Brian Goetz, co-chairs; Guest speaker Beverly Drouin, Councilors Rich Blalock and Vince Lombardi, Asst. Fire Chief Bill McQuillen. And via Zoom: Hope Van Epps, Sen. Rebecca Perkins Kwoka, City Health Officer Kim McNamara.

Staff: Al Pratt, Stephanie Seacord (recording secretary)

Welcome & Introductions by Andrea Amico, SWAG co-chair who provided an overview of the creation of the group in 2020, membership and accomplishments. Re-appointed SWAG, through Dec 31, 2023 per Mayor McEachern, includes the following:

- Councilors Rich Blalock and Vince Lombardi
- Community members Andrea Amico, Katie Hillman, Rich DiPentima and one vacancy
- Portsmouth Fire Dept. Asst. Fire Chief Bill McQuillen
- Portsmouth Water Division, DPW Deputy Director Brian Goetz
- Portsmouth Health Department, Health Officer Kim McNamara
- Portsmouth School Board, Hope Van Epps
- Environmental Scientist Dr. Laurel Scheider
- NH State Senator Rebecca Perkins Kwoka
- NH State Representative David Meuse

The Group voted unanimously to accept the minutes from the last meeting.

Presentation by Beverly Baer Drouin, NH Division of Public Health. Healthy Homes & Lead Poisoning Program (presentation posted:

https://www.cityofportsmouth.com/sites/default/files/2022-02/HealthyHomes Lead 2022 02 23.pdf)

The health dangers of lead are well known documented (2020 NH Lead Exposure data and 2019 Portsmouth data); although the public may be less aware that very small amounts of lead can have debilitating effects on children because they have not yet developed brain blood barriers. The sweet taste of lead is attractive to children who are in oral stage of development; but most lead risk comes from lead dust from paint in housing, DIY projects, soil, some spices/cosmetics. The perfect pediatric storm of lead as a neuro-toxin produces

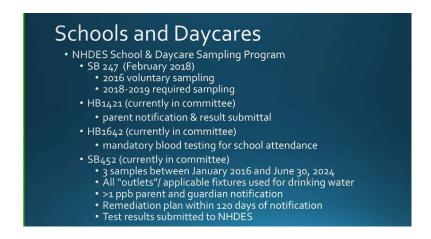
- delayed cognitive and executive function development
- delayed speech, vision and language development
- short attention span
- poor gross motor skill development
- behavioral issues

All of which contribute to costly societal impacts as children grow older.

The key public health issue in regards to the presence of lead in the environment concerns testing. While NH requires universal blood testing for lead at age 1 and again at age 2, only 62% of the age 1 population on the Seacoast was tested (2019 data) and only 53% of the age 2 population. Meanwhile that census reported elevated levels of lead in 39 children (646 children, statewide). Report:

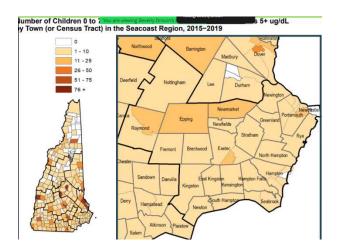
https://wisdom.dhhs.nh.gov/wisdom/assets/resources/lead-exposures/2019-lead-data-briefs/Seacoast-Report.pdf

Current legislation: HB 1642 will require blood testing for lead for any child to enter public school or daycare. HB 1421 to require testing of water in schools for lead, SB 452 to require testing water in schools and daycares for lead.



Portsmouth has some of the oldest housing stock in the state. Lead was not banned until 1978. Pre-1950 housing is guaranteed to contain lead. Pre-1830 housing is "held together with lead."

State data maps areas with high risk factors for lead poisoning: older buildings, poverty, high transient rate and numbers of children in rental properties. "Certain neighborhoods are flashing red with risk."



By order of RSA 130-A, children age 6 and under who register 5ug/dL lead are assigned to nurse case management which directs environmental assessment. Once a property is under this Administrative Order only licensed lead professionals can perform the lead abatement.

RSA 540-A:3-a covers testing for lead in drinking water by DPHS. If results are 15ppb or more in a rental, the landlord is required to install and maintain a water filtration system.

But Portsmouth does not have the resources to monitor maintenance, or conduct tenant turnover inspections. Kim McNamara – There's also concern with Portsmouth's push to 'eat local' and support local farmers that there's lead in the soil. While the Health and Inspections workforce is stretched, Health could pull water samples when doing health inspections and can provide followup for the children under Administrative Orders. Using the DPHS maps at the street level of high risk – have to start somewhere.

Obstacles limiting 100% participation in the testing at age 1 and 2: cost (\$30 per test), transportation to the doctor, up to parents to followup. Wondering how schools can assist – gateway testing requirement helps...

DHHS offers "healthy home" materials in multiple languages: https://www.dhhs.nh.gov/dphs/bchs/clpp/publications.htm

One solution to assist in educating DIY and contractors may be Manchester's model EPA RRP Certification course to train CTE students in safe work practices for lead.

Group member Hope Van Epps said she would followup with the Portsmouth CTE program.

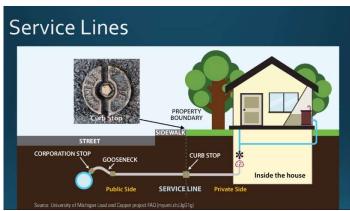
Contact: Beverly Drouin, 603.271.8158 Email: beverly.j.drouin@dhhs.nh.gov

## Lead & Copper Regulations and City of Portsmouth Activities (Al Pratt, Water Supply Operations Manager for the City of Portsmouth DPW/Water Division)

Presentation posted:

https://www.cityofportsmouth.com/sites/default/files/2022-02/SWAG%20Lead%20Presentation-February%202022 0.pdf





The Portsmouth Water Division continues to work to eliminate sources of lead that might contaminate drinking water. The water sources have no lead. Since 1986 water pipes must have < 8% lead. Portsmouth service lines are copper and galvanized steel; but the connections from service lines to the house can often be lead goosenecks. Since 1997, fixtures and fittings must be < 8%. 2011 Safe Drinking Water Act further required "lead free" materials; but lead solder is still available. The solution to the problem is public education. Homeowners can check their plumbing materials:

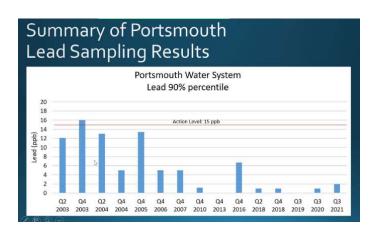
Identifying Pipe Materials			
Pipe Material	Scratch Test	Magnet Test	Hardness
Copper	color of new penny	not magnetic	moderate
Galvanized	grayish-silver color	magnetic	hard
Lead	shiny silver color	not magnetic	soft
Plastic	blue, white or gray	not magnetic	soft

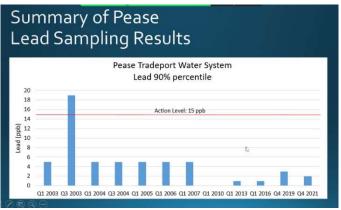
Portsmouth also maintains a corrosion control program since galvanized pipes deteriorate from corrosion in 40-60 years, and compensates for corrosion by adding orthophosphate to water to create a lining barrier in galvanized pipes.

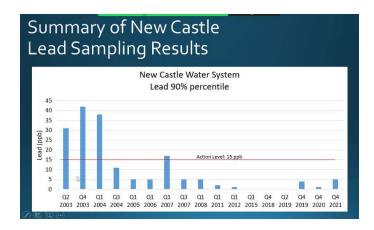
The City's lead sampling program currently involves 60 volunteer homes (sampled 30 at a time) and would like more.



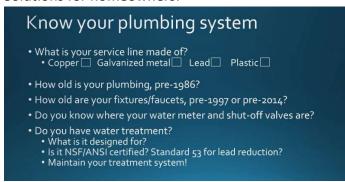
The new 2021 Copper & Lead rule requires the posting of the composition of 50% of service lines now and 100% by 2024. The City is committed to finding and fixing any in-home service where lead is discovered at levels > 15 ppb and offers loan arrangements. Pre-1886, 50% of the service lines were lead.

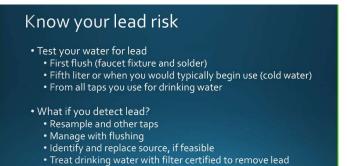






#### Solutions for homeowners:





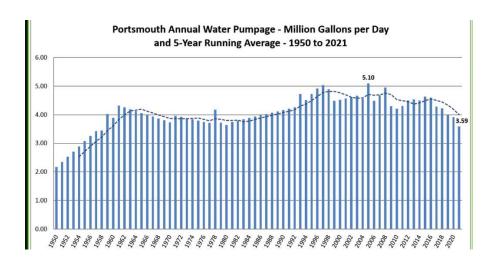
Contact: Al Pratt, 603.520.0622 Email: <a href="mailto:anpratt@cityofportsmouth.com">anpratt@cityofportsmouth.com</a> Mason Caceres 603.312.3804 Email: <a href="mailto:mecaceres@cityofportsmouth.com">mecaceres@cityofportsmouth.com</a>

## **2021 Year in Review and PFPrA Update (Brian Goetz, Deputy Director, City of Portsmouth DPW and SWAG co-chair)**

### **Presentation posted:**

https://www.cityofportsmouth.com/sites/default/files/2022-02/Portsmouth%20Water%20%E2%80%93%202021%20Year%20in%20Review.pdf





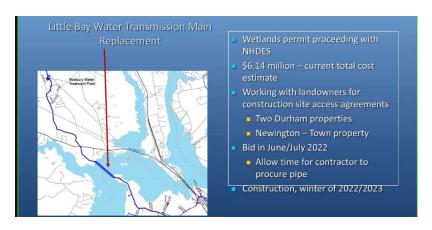
Hot & dry = water demand

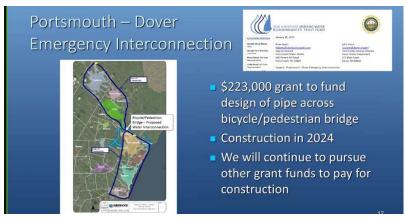
Even with growth, pumpage reduction from efficiencies and rate behavior. Found and fixed leaks. Water main replacement also reduces lead.



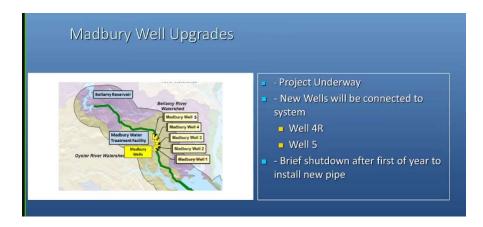
Optimizing water we have – as there are no new sources.





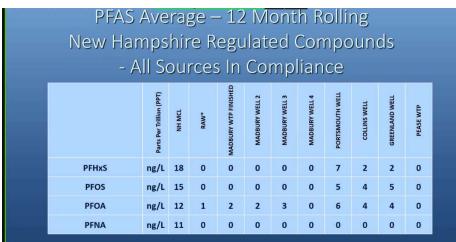


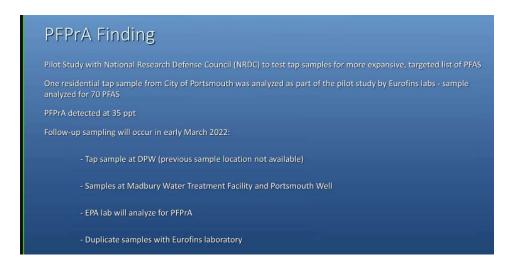
Third line under bay for additional redundancy.
70% of water from Madbury. Well #5 up and online this summer



PFAS non-detect – gallons treatment







#### Community Drinking Water Forum (Brian Goetz & Andrea Amico)

SWAG to host Community Drinking Water Forum during National Drinking Water Week (May 1-7, 2022) Forming subcommittee to plan agenda, format and outreach.

Goal is to educate public on water quality and FAQs resources

Portsmouth Public Library/zoom as venue for evening meeting. Interactive tool for immediate feedback.

Future Meetings & Goals (Brian Goetz & Andrea Amico) 2022-23

- Community Drinking Water Forum
- Legislative upfates
- Private well owner outreach with NH DES
- Coakley Landfill update
- Monitor emerging contaminants, PFPrA, PFAS in runoff (PHS: from solar panels and scrap metal yard?)
- Community education on disposal of items containing PFAS
- Work with School Department to provide educational resources to students.
- Public education series, so as not to overwhelm, on chemicals in the environment, contaminants

Meeting schedule:

February April August November

Public Comment – no public comment. Meeting adjourned at 8:30 pm.