

## Overview of Testing Results for Lead in Drinking Water and Corrective Actions for Naval Support Activity Hampton Roads Portsmouth Annex Child Development Home (Building 247)

The Navy is committed to maintaining safe drinking water on its installations. City of Norfolk water supplied to the Navy's water distribution system is regularly tested in compliance with the Safe Drinking Water Act. Lead exposure is a particular concern for children, and lead may enter drinking water due to its presence in pipes, fittings, solder, and fixtures inside a building. Navy policy requires that we test the lead content of drinking water in priority areas such as youth centers, child development homes (CDHs), and child development centers every five years.

On September 29, 2023, Navy environmental personnel conducted lead testing at Naval Support Activity Hampton Roads Portsmouth Annex (NMCP) CDH Building 247 in accordance with Navy and EPA guidelines. Water samples from outlets in the CDH were sent to James R. Reed & Associates, a state-certified laboratory, for analysis.

At NMCP CDH Building 247, water from outlets used for drinking, cooking, and washing were tested. Out of 6 samples collected, no water samples tested greater than the Navy screening level of 15 parts per billion (ppb) for lead in drinking water in schools and CDHs.

A summary of all test results is included for your information in the following enclosures:

- **Enclosure 1:** Summary of results
  - **Table 1 Summary of Results** summarizes the data by category of use. The table provides a description of each sampling location using four columns; *Category*, *Outlet No.*, *Sample Identification*, and *Outlet Description*. The *Category* column gives information about whether the outlet is used for drinking water (water fountain), cooking (food preparation), or washing (primarily handwashing). The *Outlet No.* is the inventory number for the outlets at the CDH. The *Sample Identification* column is the unique identification used to label each sample bottle. The *Outlet Description* column contains additional information to describe the outlet sampled under each category. The next set of columns in **Table 1** provide *Initial Sampling Results*. EPA sampling protocol requires water to not be used for between 8 and 18 hours prior to first draw sampling, to the extent practicable. Since this building remains open 24 hours a day, 7 days a week, the *Initial Sampling Results* were from first draw samples collected in the early morning.
  - **Table 2 Summary of Statistics** summarizes all data collected at the building during this event.
- **Enclosure 2:** Floor plan of NMCP CDH Building 247 and a summary of the outlets and results for outlets tested.

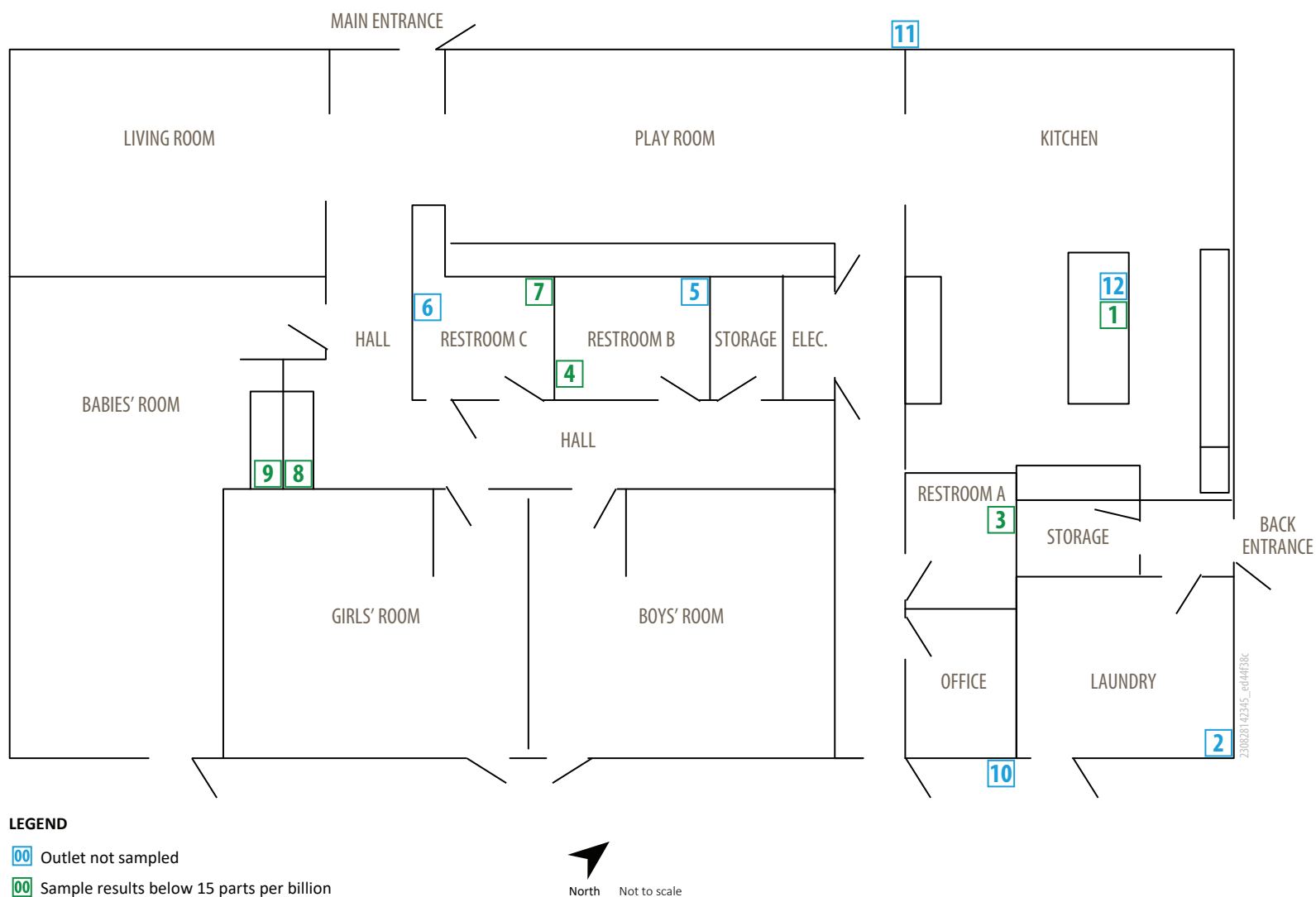
Enclosure 1  
Sample Summary Results Table  
Priority Areas Lead Testing and Corrective Actions (September 2023)  
Naval Support Activity Hampton Roads, Portsmouth Annex, Child Development Home, Building 247

Table 1. Summary of Results

SAMPLING LOCATION DESCRIPTION					INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS	POST REMEDIATION SAMPLING	
					Lead Screening Level: 15 parts per billion (ppb)							Recommended Level = 15 ppb	
CATEGORY	OUTLET NO.	SAMPLE IDENTIFICATION	Outlet Description	Comments	First Draw (ppb)	Retest required?	Date Fixture Secured?	Water Fountain 15 min. Follow up Flush Sample - Collected day before First Draw Sampling (ppb)	First Draw (ppb)	Follow up Flush - Collected 30 seconds after First Draw Sampling (ppb)	Description	First Draw (ppb)	Follow up Flush - Collected 30 seconds after First Draw Sampling (ppb)
SAMPLING DATE RESULTS DATE					9/29/2023			N/A	N/A	N/A		N/A	
					10/9/2023			N/A	N/A	N/A		N/A	
COOKING	1	NMCP-247-K-K-FD	Kitchen sink used for dishwashing and food preparation		non-detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	3	NMCP-247-BATHA-HHW-FD	High handwashing faucet		non-detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	4	NMCP-247-BATHB-HHW-FD	High handwashing faucet		non-detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	7	NMCP-247-BATHC-HHW-FD	High handwashing faucet		non-detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	8	NMCP-247-HALL-HHW-FD	High handwashing faucet		non-detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	9	NMCP-247-RM-HHW-FD	High handwashing faucet		non-detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 2. Summary Statistics

CATEGORY	INITIAL SAMPLING		RE-SAMPLING			POST REMEDIATION RESULTS
			Lead Screening Level: 15 parts per billion (ppb)			
	First Draw	Water Fountain Follow up Flush Sample - Collected day before First Draw Sampling	First Draw	Follow up Flush - Collected 30 seconds after First Draw Sampling	First Draw (ppb)	
Total Drinking	0	N/A	N/A	N/A	N/A	N/A
Total Drinking > 15 ppb	0	N/A	N/A	N/A	N/A	N/A
Total Cooking	1	N/A	N/A	N/A	N/A	N/A
Total Cooking > 15 ppb	0	N/A	N/A	N/A	N/A	N/A
Total Washing	5	N/A	N/A	N/A	N/A	N/A
Total Washing > 15 ppb	0	N/A	N/A	N/A	N/A	N/A
Total Samples	6	N/A	N/A	N/A	N/A	N/A
Total Samples > 15 ppb	0	N/A	N/A	N/A	N/A	N/A

**Building 247 – First Floor Plan**

NSA Hampton Roads  
Portsmouth Annex  
Portsmouth, Virginia

**ch2m.**

Outlet No.	Type of Fixture	Location Description	Exceeded?
1	Kitchen sink faucet	Kitchen	No
2	Utility sink	Laundry Room	Not sampled; used for cleaning and not consumption
3	High handwashing faucet	Restroom A (Staff Restroom)	No
4	High handwashing faucet	Restroom B	No
5	Shower head	Restroom B	Not sampled; used for cleaning and not consumption
6	Shower head	Restroom C	Not sampled; used for cleaning and not consumption
7	High handwashing faucet	Restroom C	No
8	High handwashing faucet	Hallway	No
9	High handwashing faucet	Babies' Room	No
10	Hose bib	Outside on the southeast side of Building 247	Not sampled; not used for filling water jugs or bottles
11	Hose bib	Outside on the northwest side of the building	Not sampled; not used for filling water jugs or bottles
12	Kitchen sink spray faucet	Outside on the northwest side of the building	Not sampled; not used for filling water jugs or bottles