

Overview of Testing Results for Lead in Drinking Water and Corrective Actions for Naval Support Activity Hampton Roads Portsmouth Annex Child Development Center (Building 249)

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 and 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, and child development centers (CDCs) every five years.

Navy environmental personnel conducted lead testing at the Naval Support Activity Hampton Roads Portsmouth Annex (NMCP) CDC Building 249 in accordance with Navy and EPA guidelines. Water samples from outlets in the CDC were sent to James R. Reed & Associates, a state-certified laboratory, for analysis.

At NMCP CDC Building 249, water from outlets used for drinking, cooking, and washing were tested. Out of 27 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 CDCs.

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 CDC. 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. Therefore, *Initial Sampling Results* were from first draw samples collected in the early morning before the CDC opened and before any water was used.
 - **Table 2 Summary of Statistics** summarizes all data collected at the building during this event.
- **Enclosure 2:** Floor plan of NMCP CDC Building 249 and a summary of the outlets and results for outlets tested.

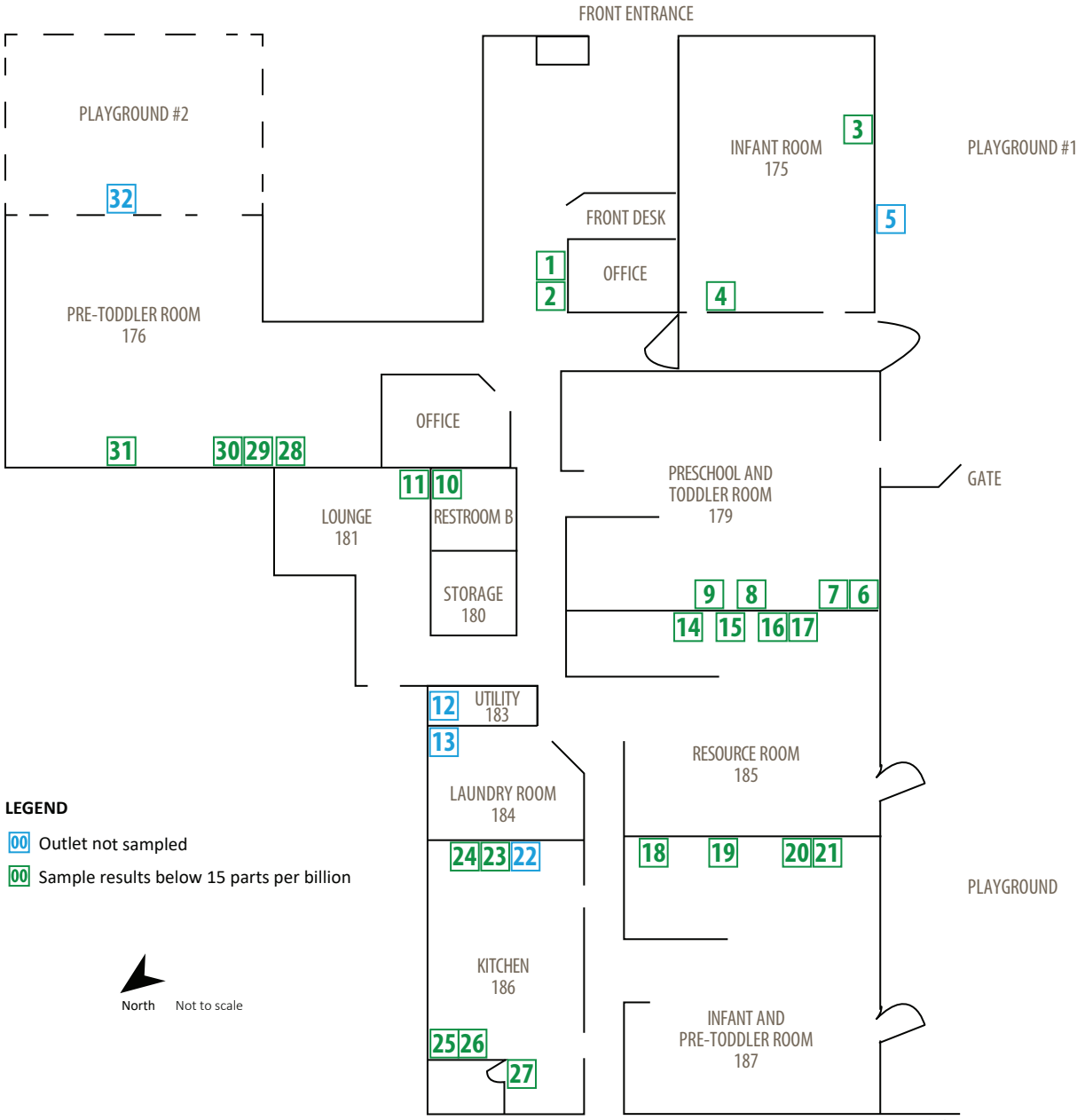
Enclosure 1
Sample Summary Results Table
Priority Areas Lead Testing and Corrective Actions (September 2023)
NSA Hampton Roads Portsmouth Annex, Child Development Center, Building 249

Table 1. Summary of Results

SAMPLING LOCATION DESCRIPTION					INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS	POST REMEDIATION SAMPLING	
CATEGORY	OUTLET NO.	SAMPLE IDENTIFICATION	Outlet Description	Comments	Lead Screening Level: 15 parts per billion (ppb)								
					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					9/29/2023			N/A	N/A	N/A			N/A
RESULTS DATE					10/9/2023			N/A	N/A	N/A			N/A
WASHING	20	NMCP-249-RM187-LHWCOMB-FD	Low handwashing faucet from combination sink		non-detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	27	NMCP-249-K186-HHW-FD	High handwashing faucet		non-detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	28	NMCP-249-RM176-LHWA-FD	Low handwashing faucet		non-detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	29	NMCP-249-RM176-TBCOMB-FD	Low handwashing outlet from combination sink		non-detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	30	NMCP-249-RM176-WFCOMB-FD	Water fountain outlet from combination sink		non-detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	31	NMCP-249-RM176-LHWB-FD	Low 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 RESULTS	RE-SAMPLING RESULTS			POST
	First Draw (ppb)	Lead Screening Level: 15 parts per billion (ppb)			First Draw (ppb)
		Water Fountain 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)	
Total Drinking	5				
Total Drinking > 15 ppb	0				
Total Cooking	6				
Total Cooking > 15 ppb	0				
Total Washing	16				
Total Washing > 15 ppb	0				
Total Samples	27				
Total Samples > 15 ppb	0				



LEGEND
 00 Outlet not sampled
 00 Sample results below 15 parts per billion



Building 249 – First Floor Plan
 NSA Hampton Roads
 Portsmouth Annex
 Portsmouth, Virginia



Outlet No.	Type of Fixture	Location Description	Exceeded?
1	Water fountain (cooler)	Hallway	No
2	Water fountain (cooler)	Hallway	No
3	Kitchen sink (with foot pedal controls)	Infant Room 175	No
4	High handwashing faucet (with foot pedal controls)	Infant Room 175	No
5	Hose bib	Outside on the south side of Building 249	Not sampled; not used for filling water jugs or bottles
6	Low handwashing faucet from combination sink	Preschool and Toddler Room 179	No
7	Water fountain outlet from combination sink	Preschool and Toddler Room 179	No
8	High handwashing faucet	Preschool and Toddler Room 179	No
9	Low handwashing faucet	Preschool and Toddler Room 179	No
10	High handwashing faucet	Restroom B	No
11	Kitchen sink	Lounge, Room 181	No
12	Utility sink	Utility, Room 183	Not sampled; used for cleaning and not consumption
13	Utility sink	Laundry Room 184	Not sampled; used for cleaning and not consumption
14	Low handwashing faucet	Resource Room 185	No
15	High handwashing faucet	Resource Room 185	No
16	Low handwashing faucet from combination sink	Resource Room 185	No
17	Water fountain outlet from combination sink	Resource Room 185	No
18	Low handwashing faucet	Infant and Pre-toddler Room 187	No
19	High handwashing faucet	Infant and Pre-toddler Room 187	No
20	Low handwashing faucet from combination sink	Infant and Pre-toddler Room 187	No
21	Water fountain outlet from combination sink	Infant and Pre-toddler Room 187	No
22	Dishwasher sprayer	Kitchen, Room 186	Not sampled; not used for filling water jugs or bottles
23	Kitchen sink	Kitchen, Room 186	No
24	Kitchen sink	Kitchen, Room 186	No
25	Kitchen sink	Kitchen, Room 186	No
26	Kitchen sink	Kitchen, Room 186	No
27	High handwashing faucet	Kitchen, Room 186	No
28	Low handwashing faucet	Pre-Toddler Room 176	No
29	Low handwashing outlet from combination sink	Pre-Toddler Room 176	No
30	Water fountain outlet from combination sink	Pre-Toddler Room 176	No
31	Low handwashing faucet	Pre-Toddler Room 176	No
32	Outside on the southeast side of Building 249 (Playground #2)	Water fountain (bubbler)	Not sampled; disconnected at time of sampling