

Overview of Testing Results for Lead in Drinking Water and Corrective Actions for Norfolk Naval Shipyard (NNSY) Scott Center Child Development Center (Building 1510)

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

On October 13, 2023, Navy environmental personnel conducted lead testing at NNSY Scott Center CDC Building 1510 in accordance with Navy and United States Environmental Protection Agency (EPA) guidelines. Water samples from outlets in the CDC were sent to James R. Reed & Associates, a state-certified laboratory, for analysis.

At NNSY Scott Center CDC Building 1510, water from outlets used for drinking, cooking, and washing were tested. Out of 16 samples collected, no water samples tested greater than the Navy screening level of 15 parts per billion (ppb) for lead in drinking water in 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 contains 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** provides *Initial Sampling Results*. EPA sampling protocol requires water to not be used from 8 to 18 hours prior to first draw sampling, to the extent practicable. Therefore, 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 NNSY Scott Center CDC Building 1510 and a summary of the outlets and results for outlets tested.**

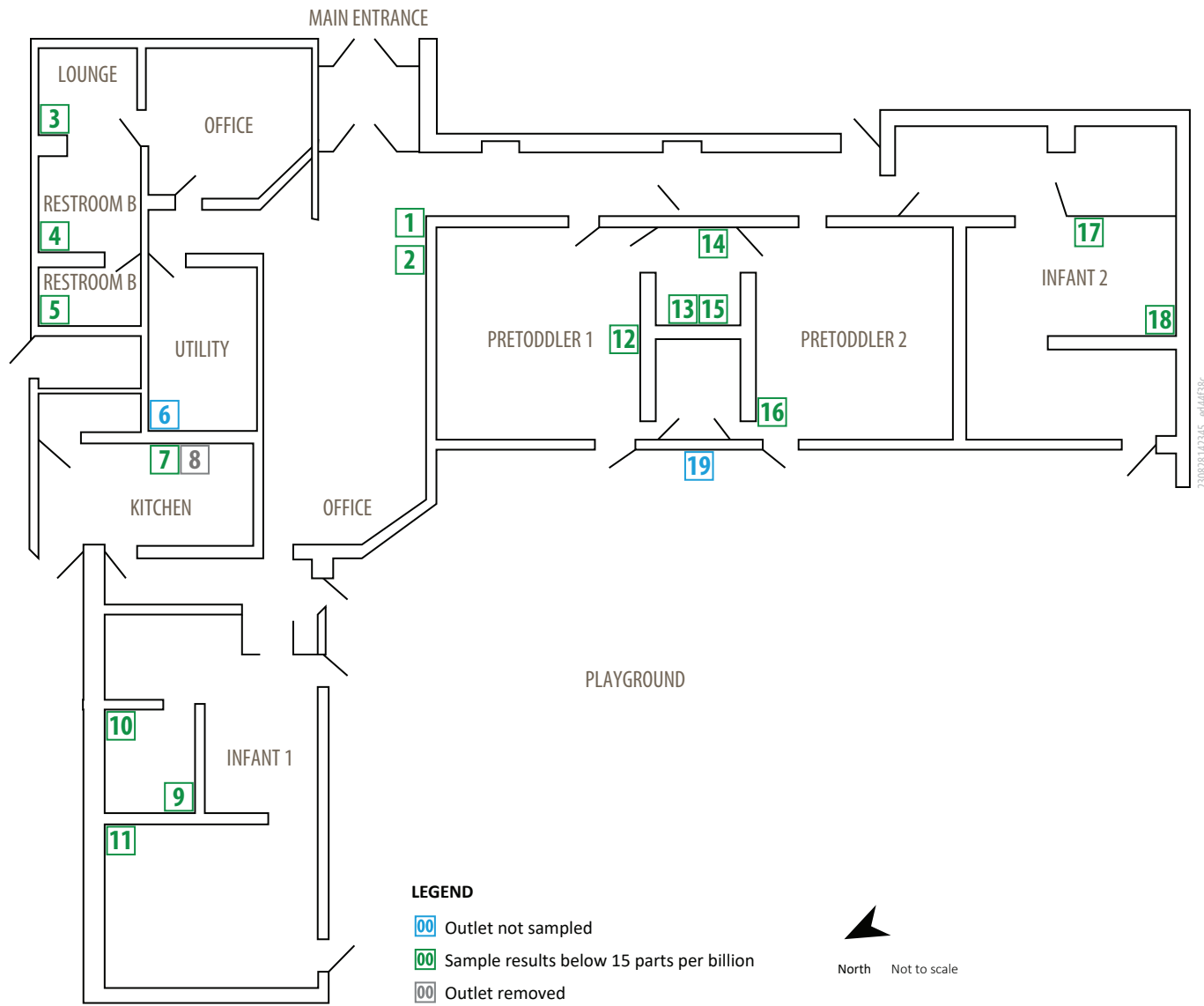
Enclosure 1
Priority Areas Lead Testing and Corrective Actions (October 2023)
Norfolk Naval Shipyard, Scott Center Annex, Child Development Center Building 1510

Table 1. Summary of Results

SAMPLING LOCATION DESCRIPTION				Comments	INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS	POST REMEDIATION SAMPLING		
CATEGORY	OUTLET NO.	SAMPLE IDENTIFICATION	Outlet Description		First Draw (ppb)	Retest required?	Date Fixture Secured?	Lead Screening Level = 15 parts per billion (ppb)				Description	Lead Screening Level = 15 ppb	
								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)			First Draw (ppb)	Follow up Flush Collected 30 seconds after First Draw Sampling (ppb)
SAMPLING RESULTS DATE				10/13/2023			N/A	N/A	N/A			N/A		
				10/23/2023			N/A	N/A	N/A			N/A		
DRINKING	1	SY-1510-HALL-WFCA-FD	Hallway water fountain (cooler)	1	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
DRINKING	2	SY-1510-HALL-WFCB-FD	Hallway water fountain (cooler)	1	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
COOKING	3	SY-1510-LOUNGE-K-FD	Kitchen sink used for dishwashing and food preparation in Staff Lounge	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
COOKING	7	SY-1510-K-K-FD	Kitchen sink used for dishwashing and food preparation in the kitchen	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
WASHING	4	SY-1510-BATHA-HHW-FD	Restroom A high handwashing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
WASHING	5	SY-1510-BATHB-HHW-FD	Restroom B high handwashing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
WASHING	9	SY-1510-RMI1-HHWA-FD	Infant Room 1 high handwashing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
WASHING	10	SY-1510-RMI1-LHW-FD	Infant Room 1 low handwashing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
WASHING	11	SY-1510-RMI1-HHWF-FD	Infant Room 1 high handwashing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
WASHING	12	SY-1510-RMP1-TB-FD	Pre-Toddler Room 1 high handwashing faucet used for teeth brushing	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
WASHING	13	SY-1510-RMP1-HHW-FD	Pre-Toddler Room 1 high handwashing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
WASHING	14	SY-1510-RMP1-LHW-FD	Pre-Toddler Room 1 low handwashing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
WASHING	15	SY-1510-RMP2-HHW-FD	Pre-Toddler Room 2 high handwashing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
WASHING	16	SY-1510-RMP2-TB-FD	Pre-Toddler Room 2 handwashing faucet used for teeth brushing	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
WASHING	17	SY-1510-RMI2-HHWA-FD	Infant Room 2 high handwashing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
WASHING	18	SY-1510-RMI2-HHWF-FD	Infant Room 2 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 RESULTS		RE-SAMPLING RESULTS		POST REMEDIATION
	First Draw	Water Fountain Follow up Flush Sample - Collected day before First Draw Sampling	Lead Screening Level = 15 parts per billion (ppb)		
			First Draw (ppb)	Follow up Flush Collected 30 seconds after First Draw Sampling	
Total Drinking	2	0	0	0	0
Total Drinking > 15 ppb	0	0	0	0	0
Total Cooking	2	0	0	0	0
Total Cooking > 15 ppb	0	0	0	0	0
Total Washing	12	0	0	0	0
Total Washing > 15 ppb	0	0	0	0	0
Total Samples	16	0	0	0	0
Total Samples > 15 ppb	0	0	0	0	0



Building 1510 – Floor Plan
 Norfolk Naval Shipyard
 Portsmouth, Virginia



Outlet No.	Type of Fixture	Location Description	Primary User	Exceeds?
1	Water fountain (cooler)	Hallway	Adult	No
2	Water fountain (cooler)	Hallway	Child	No
3	Kitchen sink for dishwashing and food preparation	Staff Lounge	Adult	No
4	High handwashing faucet	Restroom A	Adult	No
5	High handwashing faucet	Restroom B	Adult	No
6	Utility sink	Utility Room	Adult	Not sampled; used for cleaning and not for consumption
7	Kitchen sink used for dishwashing and food preparation	Kitchen	Adult	No
8	Dishwashing sprayer	Kitchen	Adult	Not sampled; outlet removed
9	High handwashing faucet	Infant Room 1	Adult	No
10	Low handwashing faucet	Infant Room 1	Child	No
11	High handwashing faucet	Infant Room 1	Adult	No
12	High handwashing faucet used for teeth brushing	Pre-Toddler Room 1	Child	No
13	High handwashing faucet	Pre-Toddler Room 1	Adult	No
14	Low handwashing faucet	Pre-Toddler Room 1	Child	No
15	High handwashing faucet	Pre-Toddler Room 2	Adult	No
16	High handwashing faucet for teeth brushing	Pre-Toddler Room 2	Child	No
17	High handwashing faucet	Infant Room 2	Adult	No
18	High handwashing faucet	Infant Room 2	Adult	No
19	Hose bib	Outside	Adult	Not sampled; not used for filling water jugs or bottles