

Overview of Testing Results for Lead in Drinking Water and Corrective Actions for NSA Hampton Roads, Northwest Annex CDC (Building 383)

The Navy is committed to maintaining safe drinking water on its installations. City water supplied to the Navy and the Navy's water distribution system is regularly tested and in compliance with the Safe Drinking Water Act. Because lead exposure is a particular concern for children, and lead may be added to drinking water through the pipes, fittings, solder, and fixtures inside a building, the Environmental Protection Agency (EPA) recommends, but does not mandate, that we test the lead content of drinking water in priority areas such as youth centers (YCs), child development group homes (CDGHs), and child development centers (CDCs). The Navy has adopted the recommendation as policy.

Navy environmental personnel conducted lead testing at the NSA HR Northwest Annex CDC in accordance with Navy and EPA guidelines. Samples from various locations in the CDC were sent to a state-certified laboratory for analysis.

At the NSA HR Northwest Annex CDC, outlets used for drinking, cooking, and washing were tested. Out of **30** samples collected, no water outlets tested above the EPA-recommended screening level for lead in drinking water in schools and childcare centers of 20 parts per billion (ppb).

A copy of all test results is enclosed for your information. The test results are presented in two tables:

- Table 1 **Summary of Results** summarizes the data by category of use (e.g., drinking, cooking, washing).
- Table 2 **Summary Statistics** summarizes all the data.

A floor plan of the NSA HR Northwest Annex CDC has also been included to show the locations of the fixtures that were sampled.

Table 1 provides a description of each sampling location using three columns; *Category*, *Sampling ID*, 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 hand-washing or brushing teeth). The *Sample ID* column is the 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*, and for those locations that exceeded the recommended screening level of 20 ppb the *Re-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 early in the morning before the CDC opened and before any water was used. The *Initial Sampling Results* also indicate whether resampling is required and the date that fixtures greater than 20 ppb were secured.

The *Re-sampling Results*, *Corrective Actions*, and *Post Remediation Sampling Results* columns are annotated N/A (not applicable) since all the samples at the NSA HR Northwest Annex CDC were within EPA recommended levels.

To learn more about lead in drinking water in schools and day care centers visit the following EPA website: <https://www.epa.gov/dwreginfo/lead-drinking-water-schools-and-child-care-facilities>.

To learn more about your home's public water supplier, see their annual water quality report:

https://www.cnic.navy.mil/regions/cnrma/om/environmental_support/water_quality_information.html

To answer any questions you may have on the sampling program contact the NSA Hampton Roads Public Affairs Officer at 757-836-1484. If you have any health questions or concerns, you are encouraged

to contact your health care provider or, if you are a TRICARE beneficiary, use the Mid-Atlantic Appointment Center to schedule an appointment with your primary care provider at 1-866-645-4584.

Enclosures:

1. Complete Test Results
2. Floor Plan of the NSA HR Northwest Annex CDC

Sample Summary Results Table
Priority Areas Lead Testing and Corrective Actions (May 2018)
Naval Support Activity Hampton Roads Northwest Annex, Child Development Center, Building 383

Table 1. Summary of Results

SAMPLING LOCATION DESCRIPTION					INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS	POST REMEDIATION SAMPLING	
CATEGORY	SAMPLE ID NO.	SAMPLE ID	Outlet Description	Comments	First Draw (ppb)	Retest required?	Date Fixture Secured?	Lead Screening Level of 20ppb			Description	Recommended Level = 20ppb	
								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 DATE					5/11/2018			N/A	N/A	N/A		N/A	
RESULTS DATE					5/21/2018			N/A	N/A	N/A		N/A	
DRINKING	4	NW-383-HALL-WFC-FD	Water fountain (cooler) in the Hallway		2	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	14	NW-383-RM11-WFCOMB-FD	Water fountain outlet from combination sink (used for teeth brushing) in Room 11 (Preschool)		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	18	NW-383-RM12-WFCOMB-FD	Water fountain outlet from combination sink (used for teeth brushing) Room 12 (Toddlers A)		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	20	NW-383-RM13-WFCOMB-FD	Water fountain outlet from combination sink (used for teeth brushing) in Room 13 (Pre-K)		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	24	NW-383-RM14-WFCOMB-FD	Water fountain outlet from combination sink (used for teeth brushing) in Room 14 (Pre-Toddlers B)		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	26	NW-383-RM15-WFCOMB-FD	Water fountain outlet from combination sink (used for teeth brushing) in Room 15 (Toddlers B)		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	30	NW-383-RM16-WFCOMB-FD	Water fountain outlet from combination sink (used for teeth brushing) in Room 16 (Pre-Toddlers A)		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	32	NW-383-RM17-WFCOMB-FD	Water fountain outlet from combination sink in Room 17 (Infant B)		4	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	1	NW-383-LOUNGE6-K-FD	Kitchen sink used for dishwashing and food preparation in Room 6 (Staff Lounge)		2	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	9	NW-383-K4-KA-FD	Kitchen sink for dishwashing and food preparation in Room 4 (Kitchen)		3	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	10	NW-383-K4-KB-FD	Kitchen sink for dishwashing and food preparation in Room 4 (Kitchen)		7	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	12	NW-383-RM10-K-FD	Kitchen sink for dishwashing and food preparation in Room 10 (Infant A)		1	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	2	NW-383-BATH8-HHW-FD	High handwashing faucet in Room 8 (Restroom)		1	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	3	NW-383-BATH7-HHW-FD	High handwashing faucet in Room 7 (Restroom)		1	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	6	NW-383-K4-HHW-FD	High handwashing faucet in Room 4 (Kitchen)		2	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	11	NW-383-RM10-HHW-FD	High handwashing faucet in Room 10 (Infant A)		1	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	15	NW-383-RM11-HWCOMB-FD	Motion sensor handwashing outlet from combination sink in Room 11 (Preschool)		1	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	16	NW-383-RM11-HHW-FD	High handwashing faucet in Room 11 (Preschool)		2	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A

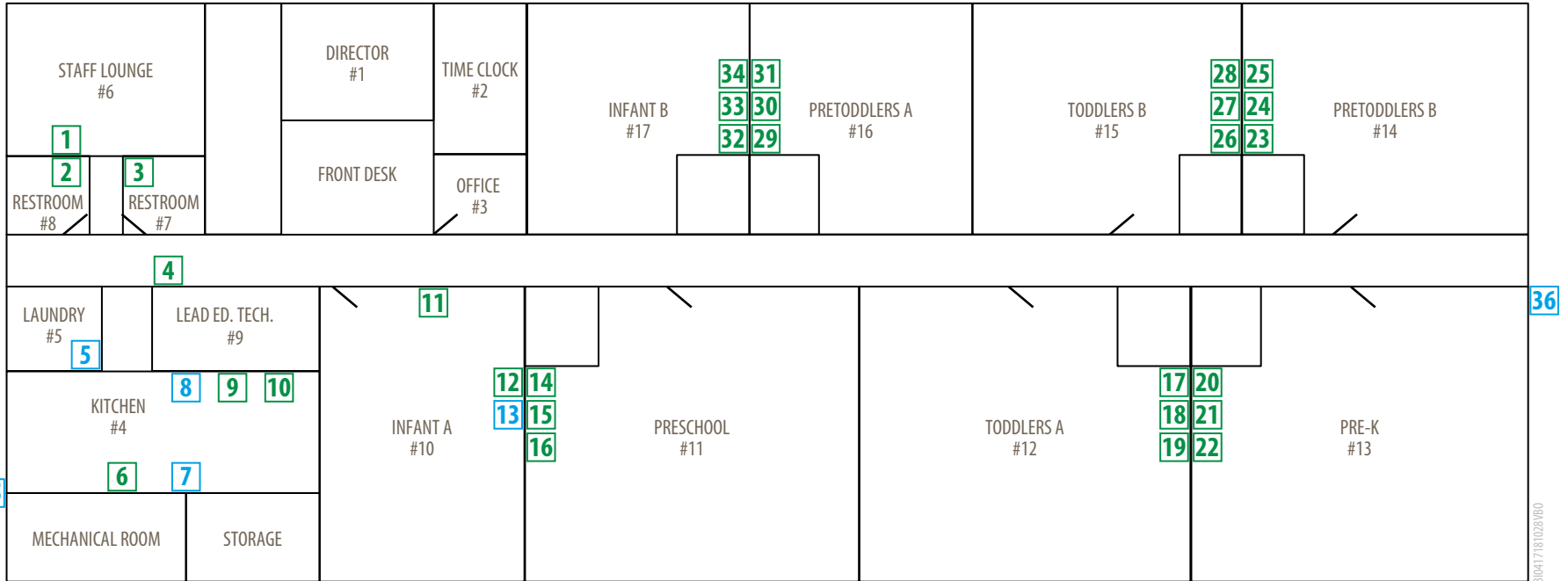
Sample Summary Results Table
 Priority Areas Lead Testing and Corrective Actions (May 2018)
 Naval Support Activity Hampton Roads Northwest Annex, Child Development Center, Building 383

Table 1. Summary of Results

SAMPLING LOCATION DESCRIPTION					INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS	POST REMEDIATION SAMPLING	
CATEGORY	SAMPLE ID NO.	SAMPLE ID	Outlet Description	Comments	First Draw (ppb)	Retest required?	Date Fixture Secured?	Lead Screening Level of 20ppb			Description	Recommended Level = 20ppb	
								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)		First Draw (ppb)	Follow up Flush - Collected 30 seconds after First Draw Sampling (ppb)
SAMPLING DATE					5/11/2018			N/A	N/A	N/A		N/A	
RESULTS DATE					5/21/2018			N/A	N/A	N/A		N/A	
WASHING	17	NW-383-RM12-HWCOMB-FD	Motion sensor handwashing outlet from combination sink in Room 12 (Toddlers A)		3	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	19	NW-383-RM12-HHW-FD	High handwashing faucet Room 12 (Toddlers A)		1	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	21	NW-383-RM13-HWCOMB-FD	Motion sensor hand outlet from combination sink in Room 13 (Pre-K)		3	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	22	NW-383-RM13-HHW-FD	High handwashing faucet in Room 13 (Pre-K)		2	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	23	NW-383-RM14-HWCOMB-FD	Motion sensor handwashing outlet from combination sink in Room 14 (Pre-Toddlers B)		4	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	25	NW-383-RM14-HHW-FD	High handwashing faucet in Room 14 (Pre-Toddlers B)		2	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	27	NW-383-RM15-HWCOMB-FD	Motion sensor hand outlet from combination sink in Room 15 (Toddlers B)		7	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	28	NW-383-RM15-HHW-FD	High handwashing faucet in Room 15 (Toddlers B)		4	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	29	NW-383-RM16-HWCOMB-FD	Motion sensor hand outlet from combination sink in Room 16 (Pre-Toddlers A)		2	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	31	NW-383-RM16-HHW-FD	High handwashing faucet in Room 16 (Pre-Toddlers A)		2	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	33	NW-383-RM17-HWCOMB-FD	Low handwashing outlet from combination sink (used for teeth brushing) in Room 17 (Infant B)		9	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	34	NW-383-RM17-HHW-FD	High handwashing faucet in Room 17 (Infant B)		2	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A

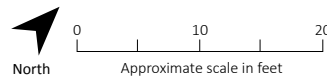
Table 2. Summary Statistics

CATEGORY	INITIAL SAMPLING RESULTS		RE-SAMPLING RESULTS			POST
	First Draw (ppb)		Lead Screening Level of 20ppb			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)	First Draw (ppb)
Total Drinking	8		N/A	N/A	N/A	N/A
Total Drinking > 20 ppb	0		N/A	N/A	N/A	N/A
Total Cooking	4		N/A	N/A	N/A	N/A
Total Cooking > 20 ppb	0		N/A	N/A	N/A	N/A
Total Washing	18		N/A	N/A	N/A	N/A
Total Washing > 20 ppb	0		N/A	N/A	N/A	N/A
Total Samples	30		N/A	N/A	N/A	N/A
Total Samples > 20 ppb	0		N/A	N/A	N/A	N/A



LEGEND

- 00 Outlet
- 00 Sample results above 20 parts per billion
- 00 Sample results below 20 parts per billion



Building 383 – First Floor Plan
 NSA Hampton Roads Northwest Annex
 Chesapeake, Virginia



No.	Type of Fixture	Location Description	Exceeded?
1	Kitchen sink used for dishwashing and food preparation	Room 6 (Staff Lounge)	No
2	High handwashing faucet	Room 8 (Restroom)	No
3	High handwashing faucet	Room 7 (Restroom)	No
4	Water fountain (cooler)	Hallway	No
5	Utility sink	Room 5 (Laundry room)	Not to be sampled
6	High handwashing faucet	Room 4 (Kitchen)	No
7	Stand-alone ice maker	Room 4 (Kitchen)	Not to be sampled
8	Dishwasher sprayer	Room 4 (Kitchen)	Not to be sampled
9	Kitchen sink for dishwashing and food preparation	Room 4 (Kitchen)	No
10	Kitchen sink for dishwashing and food preparation	Room 4 (Kitchen)	No
11	High handwashing faucet	Room 10 (Infant A)	No
12	Kitchen sink for dishwashing and food preparation	Room 10 (Infant A)	No
13	Ice maker	Room 10 (Infant A)	Not to be sampled
14	Water fountain outlet from combination sink (used for teeth brushing)	Room 11 (Preschool)	No
15	Motion sensor handwashing outlet from combination sink	Room 11 (Preschool)	No
16	High handwashing faucet	Room 11 (Preschool)	No
17	Motion sensor handwashing outlet from combination sink	Room 12 (Toddlers A)	No
18	Water fountain outlet from combination sink (used for teeth brushing)	Room 12 (Toddlers A)	No
19	High handwashing faucet	Room 12 (Toddlers A)	No
20	Water fountain outlet from combination sink (used for teeth brushing)	Room 13 (Pre-K)	No
21	Motion sensor hand outlet from combination sink	Room 13 (Pre-K)	No
22	High handwashing faucet	Room 13 (Pre-K)	No
23	Motion sensor handwashing outlet from combination sink	Room 14 (Pre-Toddlers B)	No
24	Water fountain outlet from combination sink (used for teeth brushing)	Room 14 (Pre-Toddlers B)	No
25	High handwashing faucet	Room 14 (Pre-Toddlers B)	No
26	Water fountain outlet from combination sink (used for teeth brushing)	Room 15 (Toddlers B)	No
27	Motion sensor hand outlet from combination sink	Room 15 (Toddlers B)	No
28	High handwashing faucet	Room 15 (Toddlers B)	No
29	Motion sensor hand outlet from combination sink	Room 16 (Pretoddlers A)	No
30	Water fountain outlet from combination sink (used for teeth brushing)	Room 16 (Pretoddlers A)	No
31	High handwashing faucet	Room 16 (Pretoddlers A)	No
32	Water fountain outlet from combination sink	Room 17 (Infant B)	No
33	Low handwashing outlet from combination sink (used for teeth brushing)	Room 17 (Infant B)	No
34	High handwashing faucet	Room 17 (Infant B)	No
35	Hose bib	Outside on the northwest side of Building 383	Not to be sampled
36	Hose bib	Outside on the northeast side of Building 383	Not to be sampled