

**Overview of Testing Results for Lead in Drinking Water
and Corrective Actions for
Dam Neck Annex Child Development Center (Building 202)**

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 Dam Neck Annex Child Development Center (CDC) Building 202, in accordance with Navy and EPA guidelines. Samples from various locations in the CDC Building 202 were sent to a state-certified laboratory for analysis.

At the CDC Building 202, outlets used for drinking, cooking, and washing were tested. Out of 103 samples collected, zero water outlets tested above the EPA-recommended screening level for lead in drinking water in schools and childcare centers of 15 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 CDC Building 202 has also been included to show the locations of the fixtures.

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 15 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 YC opened and before any water was used. The *Initial Sampling*

Results also indicate whether resampling is required and the date that fixtures greater than 15 ppb were secured. None of the sampled outlets exceeded 15 ppb.

If exceedances were detected, the *Re-sampling Results* includes columns for *First Draw* and flushing samples which help determine the source of lead for sampled outlets that exceeded 15 ppb.

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 annual water quality at your home, see the annual water quality report at: https://www.cnic.navy.mil/regions/cnrma/om/environmental_support/water_quality_information.html

Another resource on drinking water taste, odor, and color can be found at: <https://www.epa.gov/dwstandardsregulations/secondary-drinking-water-standards-guidance-nuisance-chemicals>

To answer general questions you may have on the sampling program contact us at (757) 433-3155 or jennifer.hayes@navy.mil.

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 Region 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 SAC/YC

Priority Areas Lead Testing and Corrective Actions (July 2019)
 NAS Oceana, Dam Neck Annex CDC, Building 202

Table 1. Summary of Results

CATEGORY Water Intended For:	SAMPLING LOCATION DESCRIPTION			INITIAL SAMPLING RESULTS		RE-SAMPLING RESULTS		CORRECTIVE ACTIONS		POST REMEDIATION SAMPLING RESULTS	
	SAMPLE ID	SAMPLE NO.	Outlet Description	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)	Description	First Draw (ppb) (See note 2)	Follow up Flush - Collected 30 seconds after First Draw Sampling (ppb)
SAMPLING DATE RESULTS DATE				7/12/2019							
				7/16/2019							
	DRINKING	DC-202-RM111-WF-AI-FD	1	hallway water fountain (room 1)	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-B-FD	2	hallway water fountain (room 1)	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	3	Room 112 water fountain outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	11	Room 112 water fountain outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	12	Room 113 water fountain outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	20	Room 118 water fountain outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	23	Room 315 water fountain outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	27	Room 318 water fountain outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	31	Room 318 water fountain outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	33	Room 318 water fountain outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	35	Cribch comb and ice maker and water dispenser (water only) (see note 1 sample 0)	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	39	Cribch comb and ice maker and water dispenser (water only) (see note 1 sample 0)	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	45	Room 121 water fountain outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	46	Restroom sink A for dishwashing and food preparation	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	6	Restroom sink B for dishwashing and food preparation	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	19	Room 114 low hand washing and teeth brushing outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	22	Room 115 low hand washing and teeth brushing outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	26	Room 118 low hand washing and teeth brushing outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	30	Room 119 low hand washing and teeth brushing outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	34	Room 120 low hand washing and teeth brushing outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	38	Room 121 low hand washing and teeth brushing outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	44	Room 122 low hand washing and teeth brushing outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	44	Restroom A high hand washing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	5	Restroom B high hand washing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	7	Restroom high hand washing faucet (with emergency eye wash station)	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	12	Room 112 high hand washing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	14	Room 112 high hand washing faucet	non-detect	No	N/A	N/A	N/A	N/A	N/A
	DRINKING	DC-202-RM111-WF-COMB-FD	16	Room 113 high hand washing outlet from combination sink	non-detect	No	N/A	N/A	N/A	N/A	N/A

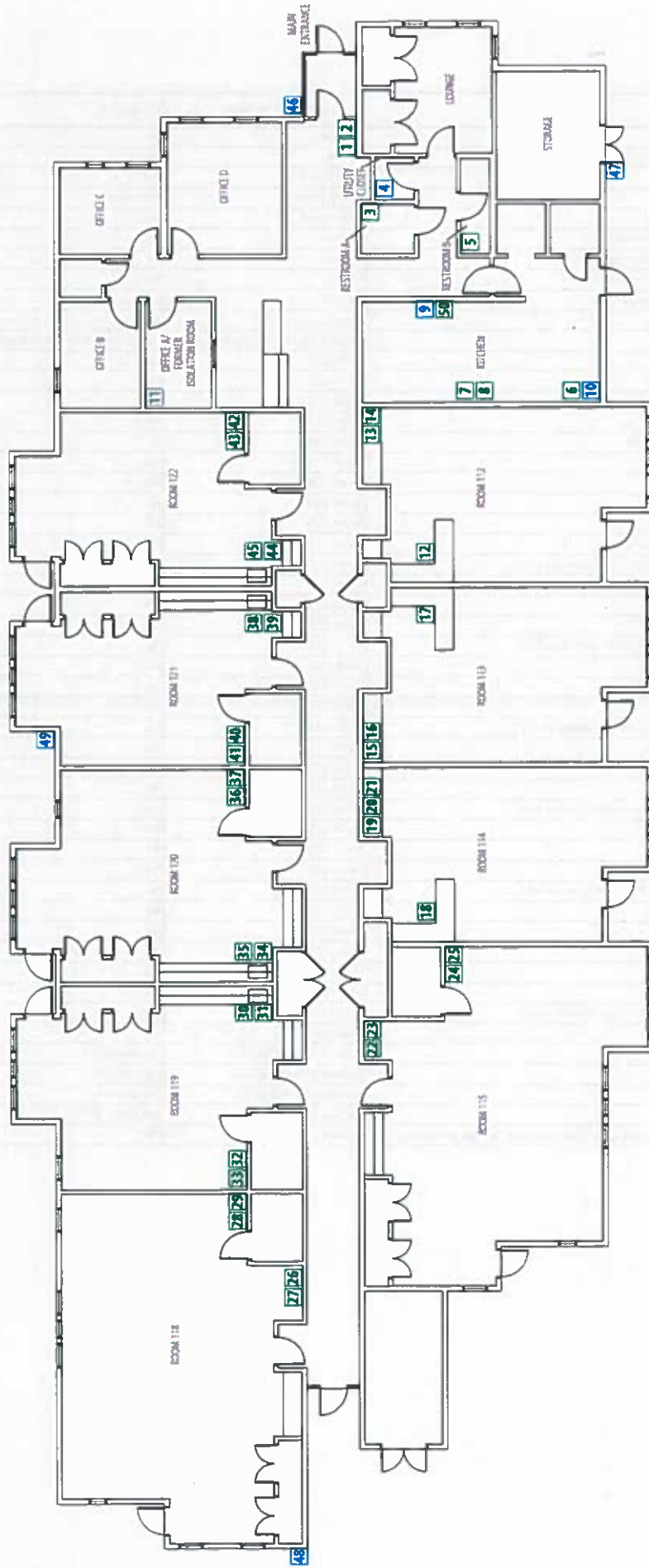
Priority Areas Lead Testing and Corrective Actions (July 2019)
 NAS Oceana, Dam Neck Annex CDC, Building 202

CATEGORY Water intended for:	SAMPLE ID	SAMPLE NO.	SAMPLING LOCATION DESCRIPTION	INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS	POST-REMEDIATION SAMPLING RESULTS	
				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) (See note 2)
WASHING	DC-202-RM113-HHW-FD	17	Room 113 high hand washing faucet	7/12/2019			N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM114-HHW-FD	18	Room 114 high hand washing faucet A	7/15/2019			N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM114-HHW-FD	21	Room 114 high hand washing faucet from combination sink		No	N/A	N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM115-LHW-FD	24	Room 115 low hand washing faucet		No	N/A	N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM115-HHW-FD	25	Room 115 high hand washing faucet		No	N/A	N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM118-LHW-FD	28	Room 118 low hand washing faucet		No	N/A	N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM118-HHW-FD	29	Room 118 high hand washing faucet		No	N/A	N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM119-LHW-FD	32	Room 119 low hand washing faucet		No	N/A	N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM119-HHW-FD	33	Room 119 high hand washing faucet		No	N/A	N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM120-LHW-FD	36	Room 120 low hand washing faucet		No	N/A	N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM120-HHW-FD	37	Room 120 high hand washing faucet		No	N/A	N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM121-LHW-FD	40	Room 121 low hand washing faucet		No	N/A	N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM121-HHW-FD	41	Room 121 high hand washing faucet		No	N/A	N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM122-HHW-FD	42	Room 122 high hand washing faucet		No	N/A	N/A	N/A	N/A		N/A	N/A
WASHING	DC-202-RM122-LHW-FD	43	Room 122 low hand washing faucet		No	N/A	N/A	N/A	N/A		N/A	N/A

Note - First draw initial samples for DC-202-RM114-WFCDMB-FD, DC-202-RM114-HHW-FD, DC-202-RM114-LHW-FD and DC-202-RM112-HHW-FD were collected on 7/26/2019.

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	Recommended Level < 15 ppb	First Draw	Water Fountain Follow up Flush Sample Collected day before First Draw Sampling	Recommended Level < 15 ppb	First Draw	Water Fountain Follow up Flush Sample Collected 30 seconds after First Draw Sampling	Recommended Level < 15 ppb
Total Drinking	12	0	0	0	0	0	0	0	0
Total Cooking	2	0	0	0	0	0	0	0	0
Total Washing/Brushing	28	0	0	0	0	0	0	0	0
Total Samples > 15 ppb	0	0	0	0	0	0	0	0	0
Total Samples	42	0	0	0	0	0	0	0	0



LEGEND
 [Blue box] Outlet not sampled
 [Grey box] Outlet removed
 [Green box] Sample results below 15 parts per billion

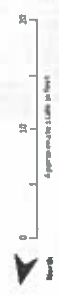


Figure 1.
 Building 202 – First Floor Plan
 NAS Oceana Dam Neck Annex
 Virginia Beach, Virginia



No.	Type of Fixture	Location Description	Exceeded?
1	Water fountain (cooler)	Hallway	No
2	Water fountain (cooler)	Hallway	No
3	High hand washing faucet	Restroom A	No
4	Utility sink – not for drinking	Utility Closet	Not sampled
5	High hand washing faucet	Restroom B	No
6	Kitchen sink A for dishwashing and food preparation	Kitchen	No
7	High hand washing faucet (with emergency eye wash station)	Kitchen	No
8	Kitchen sink B for dishwashing and food preparation	Kitchen	No
9	Combined ice maker and water dispenser (ice outlet)	Kitchen	Not sampled
10	Dishwashing sprayer – not for drinking	Kitchen	Not sampled
11	Removed	Office A (Former Isolation Room)	Fixture was removed and can no longer be sampled
12	High hand washing faucet	Room 112	No
13	Water fountain outlet from combination sink	Room 112	No
14	High hand washing outlet from combination sink	Room 112	No
15	Water fountain outlet from combination sink	Room 113	No
16	High hand washing outlet from combination sink	Room 113	No
17	High hand washing faucet	Room 113	No
18	High hand washing faucet A	Room 114	No
19	Low hand washing faucet for teeth brushing	Room 114	No
20	Water fountain outlet from combination sink	Room 114	No
21	High hand washing outlet from combination sink	Room 114	No
22	Low hand washing and teeth brushing outlet from combination sink	Room 115	No
23	Water fountain outlet from combination sink	Room 115	No
24	Low hand washing faucet	Room 115	No
25	High hand washing faucet	Room 115	No
26	Low hand washing and teeth brushing outlet from combination sink	Room 118	No
27	Water fountain outlet from combination sink	Room 118	No
28	Low hand washing faucet	Room 118	No
29	High hand washing faucet	Room 118	No
30	Low hand washing and teeth brushing outlet from combination sink	Room 119	No
31	Water fountain outlet from combination sink	Room 119	No
32	Low hand washing faucet	Room 119	No
33	High hand washing faucet	Room 119	No
34	Low hand washing and teeth brushing outlet from combination sink	Room 120	No
35	Water fountain outlet from combination sink	Room 120	No
36	Low hand washing faucet	Room 120	No
37	High hand washing faucet	Room 120	No
38	Low hand washing and teeth brushing outlet from combination sink	Room 121	No
39	Water fountain outlet from combination sink	Room 121	No
40	Low hand washing faucet	Room 121	No
41	High hand washing faucet	Room 121	No
42	High hand washing faucet	Room 122	No
43	Low hand washing faucet	Room 122	No
44	Low hand washing and teeth brushing outlet from combination sink	Room 122	No
45	Water fountain outlet from combination sink	Room 122	No
46	Hose outlet – not for drinking	Outside of Building 202	Not sampled
47	Hose outlet – not for drinking	Outside of Building 202	Not sampled
48	Hose outlet – not for drinking	Outside of Building 202	Not sampled
49	Hose outlet – not for drinking	Outside of Building 202	Not sampled
50	Kitchen combined ice maker and water dispenser (only water sampled, ice not sampled)	Kitchen	No