

**Overview of Testing Results for Lead in Drinking Water and Corrective Actions for
Norfolk Naval Shipyard (NNSY) New Gosport Youth Center
(Building 1497-1498)**

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 (YCs), child development homes, and child development centers every five years.

On October 13, 2023 and October 20, 2023, Navy environmental personnel conducted lead testing at NNSY New Gosport YC Building 1497-1498 in accordance with Navy and United States Environmental Protection Agency (EPA) guidelines. Water samples from outlets in the YC were sent to James R. Reed & Associates, a state-certified laboratory, for analysis.

At NNSY New Gosport YC Building 1497-1498, water from outlets used for drinking, cooking, and washing were tested. Out of 13 samples collected, no water samples tested greater than the Navy screening level of 15 parts per billion (ppb) for lead in drinking water in YCs.

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 YC. 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 New Gosport YC Building 1497-1498 and a summary of the outlets and results for outlets tested.

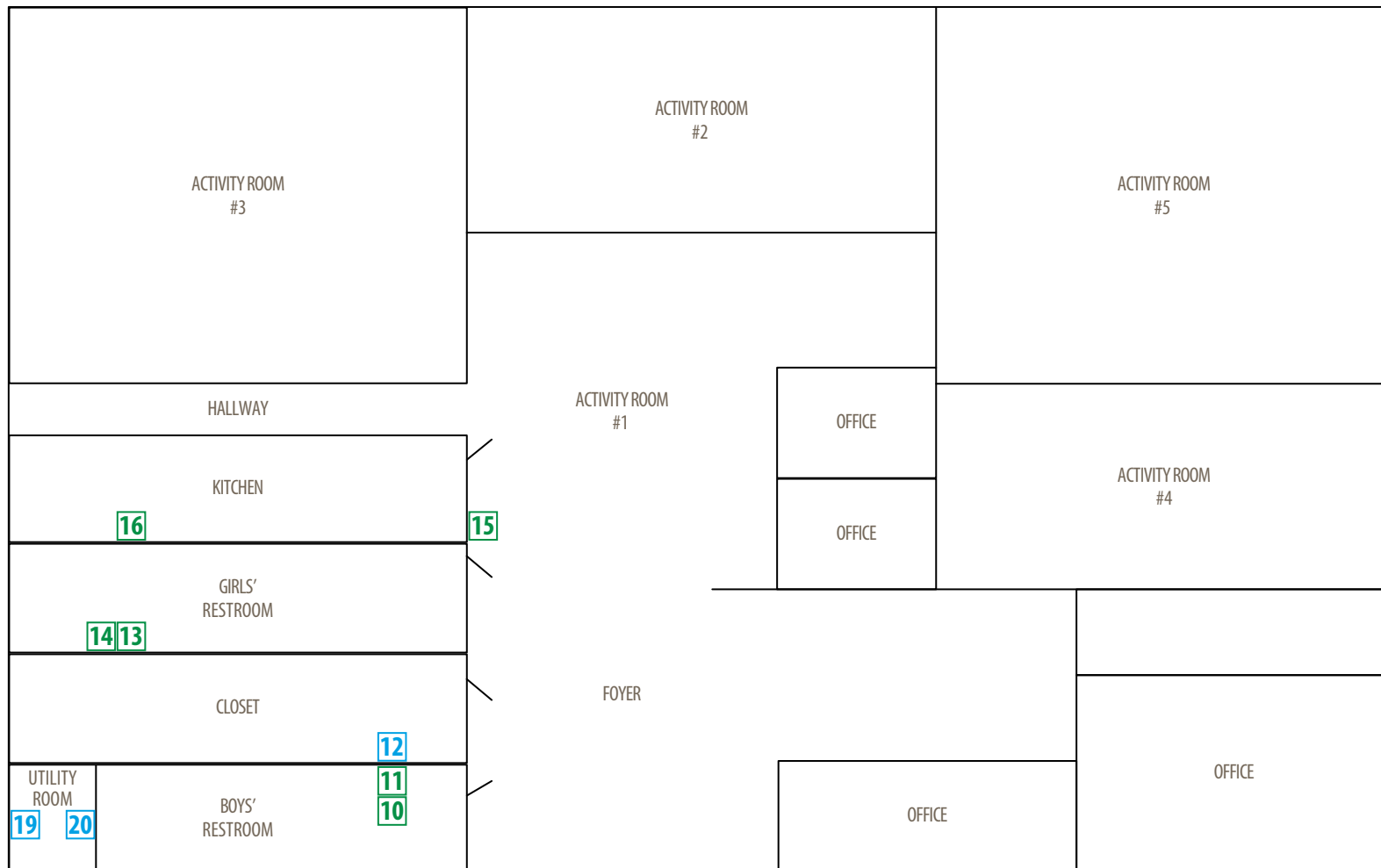
Enclosure 1
Priority Areas Lead Testing and Corrective Actions (October 2023)
Norfolk Naval Shipyard, New Gosport Youth Center, Buildings 1497 and 1498

Table 1. Summary of Results

SAMPLING LOCATION DESCRIPTION				Comments	INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS	POST REMEDIATION SAMPLING RESULTS	
CATEGORY	OUTLET NO.	SAMPLE IDENTIFICATION	Outlet Description		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)
BUILDING 1497	SAMPLING DATE				10/13/2023			N/A	N/A	N/A		N/A	N/A
	RESULTS DATE				10/23/2023			N/A	N/A	N/A		N/A	N/A
BUILDING 1498	SAMPLING DATE				10/20/2023			N/A	N/A	N/A		N/A	N/A
	RESULTS DATE				10/30/2023			N/A	N/A	N/A		N/A	N/A
DRINKING	2	SY-1498-HALL-WFC-FD	Water fountain (cooler)		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	6	SY-1498-RM2-WFC-FD	Water fountain (cooler)		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	15	SY-1497-HALL-WFC-FD	Water fountain (cooler)		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	7	SY-1498-K-K-FD	Building 1498 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
COOKING	16	SY-1497-K-K-FD	Building 1497 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	1	SY-1498-BATHM-HHW-FD	Men's Restroom high handwashing sink		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	4	SY-1498-BATHW-HHWA-FD	Women's Restroom high handwashing sink A		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	5	SY-1498-BATHW-HHWA-FD	Women's Restroom high handwashing sink B		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	9	SY-1498-RM2-HHW-FD	Activity Room 2 high handwashing sink		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	10	SY-1497-BATHB-HHWA-FD	Boys' Restroom high handwashing sink A		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	11	SY-1497-BATHB-HHWA-FD	Boys' Restroom high handwashing sink B		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	13	SY-1497-BATHG-HHWA-FD	Girls' Restroom high handwashing sink A		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	14	SY-1497-BATHG-HHWA-FD	Girls' Restroom high handwashing sink B		non-detect	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 2. Summary Statistics

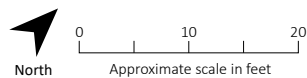
CATEGORY	INITIAL SAMPLING RESULTS		RE-SAMPLING RESULTS		POST REMEDIATION RESULTS
	Lead Screening Level = 15 parts per billion (ppb)				
	First Draw	Water Fountain Follow up Flush Sample - Collected day before First Draw Sampling	First Draw (ppb)	Follow up Flush Collected 30 seconds after First Draw Sampling	First Draw
Total Drinking	3	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/Brushing	8	0	0	0	0
Total Washing/Brushing > 15 ppb	0	0	0	0	0
Total Samples	13	0	0	0	0
Total Samples > 15 ppb	0	0	0	0	0



230828142345_ed44f38c

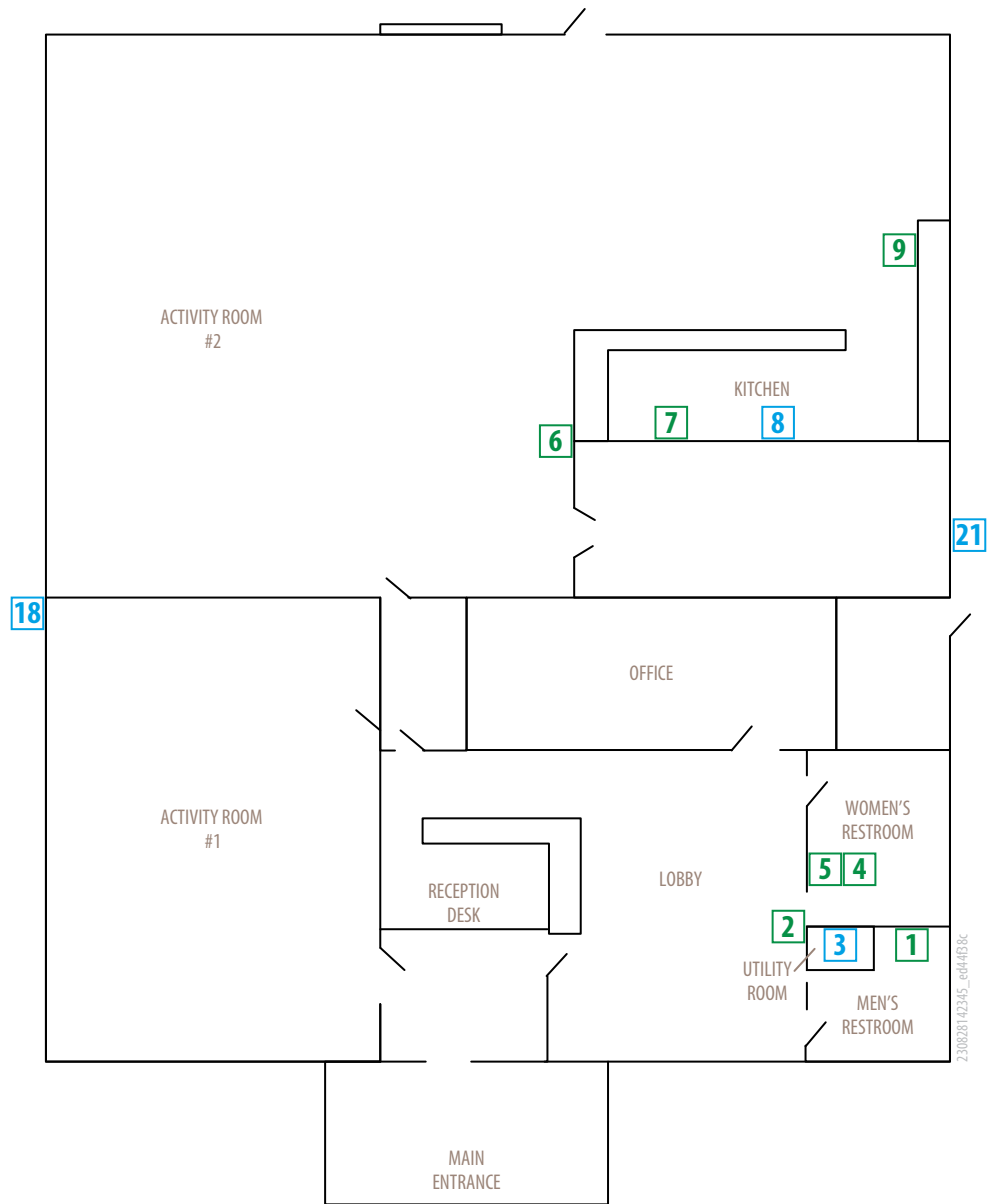
LEGEND

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



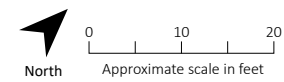
Building 1497 – Floor Plan
 Norfolk Naval Shipyard
 Portsmouth, Virginia





LEGEND

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



Building 1498 – Floor Plan
 Norfolk Naval Shipyard
 Portsmouth, Virginia



Outlet No.	Type of Fixture	Location Description	Exceeded?
1	High handwashing faucet	Men's Restroom	No
2	Water fountain (cooler)	Hallway	No
3	Utility sink	Utility Room	Not sampled; used for cleaning and not consumption
4	High handwashing faucet	Women's Restroom	No
5	High handwashing faucet	Women's Restroom	No
6	Water fountain (cooler)	Activity Room 2	No
7	Kitchen sink used for dishwashing and food preparation	Kitchen	No
8	Ice maker	Kitchen	Not sampled
9	High handwashing faucet	Activity Room 2	No
10	High handwashing faucet	Boys' Restroom	No
11	High handwashing faucet	Boys' Restroom	No
12	Utility sink	Closet	Not sampled; used for cleaning and not consumption
13	High handwashing faucet	Girls' Restroom	No
14	High handwashing faucet	Girls' Restroom	No
15	Water fountain (cooler)	Hallway	No
16	Kitchen sink used for dishwashing and food preparation	Kitchen	No
17	Hose bib	Southeast side of Building 1497	Not sampled; not used for filling water jugs or bottles
18	Hose bib	Southwest side of Building 1498	Not sampled; not used for filling water jugs or bottles
19	Shower	Utility Room	Not sampled; not for consumption
20	Utility sink	Utility Room	Not sampled; used for cleaning and not consumption
21	Hose bib	Northeast side of Building 1498	Not sampled; not used for filling water jugs or bottles