DEPARTMENT OF THE NAVY
U. S. NAVAL SUPPORT ACTIVITY NAPLES ITALY
PSC 817 BOX 1
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6260
Ser N00/ 1699
28 DEC 2021

From: Commanding Officer, U.S. Naval Support Activity, Naples, Italy
To: Parents and Staff, Support Site Schools, U.S. Naval Support Activity, Naples, Italy

Subj: U.S. NAVAL SUPPORT ACTIVITY, NAPLES, ITALY SUPPORT SITE SCHOOL CAFETERIA DRINKING WATER

Encl: (1) Overview of Results & Actions
(2) Support Site Schools Cafeteria Complete Test Results
(3) Floor Plan of the Support Site Schools Cafeteria

1. The safety and health of the children and staff at our Child Development Centers (CDC), schools, and Youth-Teen Centers (YTC) is my top priority. In my earlier letter announcing our lead in drinking water testing program, I told you we are testing all water outlets that could potentially be used for cooking, washing, or drinking at our CDCs, schools, and YTCs.

2. We received the results of recent water testing of 37 drinking water outlets in the schools' Cafeteria. Of these, one outlet tested higher than Navy screening level of 15 parts per billion (ppb) for lead, which is the level requiring action to include additional testing and corrective measures. Lead in drinking water typically comes from the existing plumbing inside buildings including service lines, fittings, solder, water coolers, or water faucets. Lead is more likely to be found in drinking water when the water has not been run for an extended period of time and has been sitting in the system (e.g., overnight, weekends, etc.).

3. The lead levels were higher than the screening level at one sink in the Cafeteria kitchen area. After receiving the test results, we immediately took the water outlet out of service. Details on the corrective actions we plan to take to reduce the amount of lead in water at this fixture are discussed in enclosure (1). Enclosure (2) indicates the location of the fixture that had lead levels higher than the screening level.

4. Here are some additional resources you may find informative:

a. EPA (lead in drinking water in schools and day care centers):
https://www.epa.gov/dwreginfo/lead-drinking-water-schools-and-child-care-facilities

b. Annual water quality report for the installation:
https://www.cnic.navy.mil/regions/cnreurafcent/installations/nsa_naples/om/environmental_support/drinking_water_consumer_confidence_report.html

5. If you have any health questions or concerns, I encourage you to set up a virtual visit with your health care provider through TRICARE Online or call the U.S Naval Hospital, Naples, Italy

main appointment line (629-6000, or 081-11-6000). Virtual visits afford the time required for you to address particular concerns with your primary care provider.

6. Rest assured that my team and I will continue to monitor, test water quality, and take actions where necessary at the Support Site Schools Cafeteria to ensure our drinking water lead levels are lower than screening levels. I am committed to the safety and health of all personnel and family members using our facilities and will keep you updated on this issue.

7. For further information, please contact LT Jamie E. Moroney, Public Affairs Officer, at DSN: 314-626-5912, COMM: +39-081-568-5912, or e-mail: jamie.moroney@eu.navy.mil.

J. W. STEWART

Copy to:
CNIC N45
NAVFAC N45

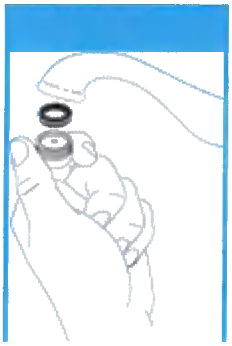
Overview of Testing Results for Lead in Drinking Water and Corrective Actions for NSA Naples Support Site Schools Cafeteria (Building 2059)

The Navy is committed to maintaining safe drinking water on its installations. The Acqua Campania aqueduct 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 due to its presence in pipes, fittings, solder, and fixtures inside a building, the Navy policy requires that we test the lead content of drinking water in priority areas such as Youth-Teen Centers (YTCs), Schools, and Child Development Centers (CDCs) every five years.

Navy environmental personnel conducted lead testing at the NSA Naples Support Site Schools Cafeteria in accordance with Navy and EPA guidelines. Samples from various locations in the Support Site Schools Cafeteria were sent to the U.S. Army Public Health Center certified laboratory for analysis.

At the NSA Naples Support Site Schools Cafeteria, outlets used for drinking and washing were tested. Out of 37 samples collected, 1 water outlet initially tested above the Navy screening level of 15 parts per billion (ppb) for lead in drinking water in schools and CDCs.

The outlet that exceeded the screening level of 15 ppb was a Cafeteria kitchen sink, which tested at 54 ppb. Follow-up sampling at this outlet was conducted after removing and cleaning the faucet aerators. A faucet aerator (or tap aerator) is often found at the tip of modern indoor water faucets. Without an aerator, water usually flows out of a faucet as one big stream. An aerator spreads this stream into many little droplets, which helps save water, provides more uniform flow, and reduces splashing. However, the aerator and screen can trap debris which can accumulate lead.



After removing and cleaning the faucet aerator, retesting showed that the Cafeteria sink was below the screening level. The installation will implement a periodic aerator maintenance plan to sustain this corrective action.

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, and washing).

- Table 2 **Summary Statistics** summarizes all the data.

A floor plan of the NSA Naples Support Site Schools Cafeteria has also been included to show the location for the fixture that exceeded 15 ppb.

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 Schools Cafeteria 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. Outlets that exceeded 15 ppb are highlighted in yellow.

The *Re-sampling Results* section includes columns for *First Draw* and *Follow up Flush* samples which help determine the source of lead. For cooking and washing outlets, aerators were removed and cleaned before retesting:

- If the lead concentration of both the *First Draw and* the 30 second flush sample resulted in lower than 15 ppb lead, the aerators were the source of lead and the outlet can be used for drinking if the aerators are cleaned on a regular basis. The Cafeteria outlet tested fits in this category.

- If the lead concentration of the resampled *First Draw* (but not the follow up 30 second flush) was greater than 15 ppb, the fixture was the source of lead. These fixtures can be used if water is flushed for 30 seconds before first use of the day or if the fixtures are replaced and retesting confirms that the new fixtures do not leach lead. None of the Cafeteria outlets tested fit in this category.

- If the lead concentration of the sample following the 30 second flush was greater than 15 ppb and greater than the lead concentration of the first draw resample, the source of lead is the plumbing upstream of the outlet. These outlets should be disconnected/removed from service unless upstream plumbing is replaced. None of the Cafeteria outlets tested fit in this category.

The *Corrective Actions* column describes actions that are being implemented to remediate the source of lead. In the event that fixtures or upstream piping are replaced, there are columns for

additional follow-up testing data. This testing will be conducted once the fixtures are replaced, to confirm that the corrective actions are successful in reducing lead below 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 the installation's public water supplier, see their annual water quality report: Region-specific links
https://www.cnic.navy.mil/regions/cnreurafcent/installations/nsa_naples/om/environmental_support/drinking_water_consumer_confidence_report.html

To answer any questions you may have on the sampling program contact the NSA Naples Public Affairs Officer by emailing pao_naples@eu.navy.mil. If you have any health questions or concerns, I encourage you to set up a Virtual Visit with your health care provider through TRICARE Online or call the hospital's main appointment line (629-6000, or 081-11-6000). Virtual Visits afford the time required for you to address particular concerns with your primary care provider.

Summary Results Table
Priority Areas Lead Testing and Corrective Actions (2021)
NSA NAPLES Support Site Child Development Center
Bldg. 2065

Table 1. Summary of Results

SAMPLING LOCATION DESCRIPTION				INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS	POST-CORRECTIVE ACTION SAMPLING RESULTS	
				Lead Screening Level of 15 ppb			Lead Screening Level of 15 ppb				Recommeded Level = 15 ppb	
CATEGORY [Water's intended use]	SAMPLE ID [Use same nomenclature as baseline sample event]	Outlet Description [At a minimum, room number and type of outlet; include filter identification and whether a motion sensor faucet or blended water, as applicable]	Comments [Provide, for example, whether filter was removed, staining was present, any identifying marks]	First Draw (ppb) [numeric value]	Retest required? [YES or NO]	Date Fixture Secured? (See Note 1) [N/A if First Draw is ≤ 15ppb; otherwise mm/dd/yyyy]	Water Fountain/Chiller 15 min. Follow up Flush Sample - Collected day before First Draw Sampling (ppb) [numeric value]	First Draw (ppb) [numeric value]	Follow up Flush - Collected 30 seconds after First Draw Sampling (ppb) [numeric value]	Description [Enter brief description of remediation activities; for example, replace fixture, add a point of use decive, check grounding wires, replace lead piping, reconfigure piping, permanently close outlet, implement aerator maintenance program]	First Draw (ppb) (See note 2) [numeric value]	Follow up Flush - Collected 30 seconds after First Draw Sampling (ppb) [numeric value]
SAMPLING DATE				3/13/2021			mm/dd/yyyy	7/1/2021	7/1/2021		mm/dd/yyyy	
RESULTS DATE				05/20-24/2021			mm/dd/yyyy	7/23/2021	7/23/2021		mm/dd/yyyy	
DRINKING	SS-CAF-LP-026	147WB Water fountain bubbler A (Rm 147aH)		7	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
DRINKING	SS-CAF-LP-039	146WB Water fountain bubbler A (Rm 146dH)		4.5	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
DRINKING	SS-CAF-LP-041	147WB Water fountain bubbler B (Rm 147bH)		10	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
COOKING	SS-CAF-LP-028	Kitchen sink B (Wash sink)		6.1	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
COOKING	SS-CAF-LP-029	Kitchen sink C (Rinse sink)		7	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
COOKING	SS-CAF-LP-030	Kitchen sink D (Hand washing)		1.3	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
COOKING	SS-CAF-LP-031	Kitchen sink E (Rinse sink)		7.7	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
COOKING	SS-CAF-LP-033	Kitchen sink G		54	YES	6/4/2021	N/A	14	7.4	Implement aerator maintenance program	N/A	N/A
COOKING	SS-CAF-LP-034	Kitchen boiler A		5.8	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
COOKING	SS-CAF-LP-035	Kitchen boiler B		1.6	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-001	146dH Handicap bathroom		2.5	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-002	146cH Handicap bathroom		3	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-003	146bH Bathroom high hand washing A		5.7	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-004	146bH Bathroom high hand washing B		6.1	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-005	146bH Bathroom high hand washing C		6.3	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-006	146bH Bathroom high hand washing D		4.8	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-007	146aH Bathroom high hand washing A		4.5	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-008	146aH Bathroom high hand washing B		5	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-009	146aH Bathroom high hand washing C		4.5	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-010	146aH Bathroom high hand washing D		3.6	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-011	146aH Bathroom high hand washing E		6.5	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-012	141aH Bathroom high hand washing		15	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-013	142aH Bathroom high hand washing		6.2	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-014	141bH Bathroom high hand washing		12	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-015	137J (was 147aH) Bathroom high hand washing A		3.3	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-016	137J (was 147aH) Bathroom high hand washing B		4.2	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-017	137J (was 147aH) Bathroom high hand washing C		4.6	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-018	137J (was 147aH) Bathroom high hand washing D		3.6	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-019	137H (was 147bH) Bathroom high hand washing A		2.7	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-020	137H (was 147bH) Bathroom high hand washing B		3.9	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-021	137H (was 147bH) Bathroom high hand washing C		3.2	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-022	137H (was 147bH) Bathroom high hand washing D		3	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-023	137H (was 147bH) Bathroom high hand washing E		3.6	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-024	137K (was 147cH) Bathroom high hand washing		3.9	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-025	137G (was 147dH) Handicap bathroom		2.6	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-027	Kitchen bathroom high hand washing		8.6	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A
WASHING	SS-CAF-LP-038	141bH Bathroom high hand washing		9.6	NO	N/A	N/A	N/A	N/A	Routine Control Measures Only	N/A	N/A

Notes:

[1] Affected outlets were immediately secured after receiving verbal communication from the lab on results exceeding the recommended level of 15 ppb.

[2] Post-remediation sampling will be conducted once the fixtures are replaced to confirm that the corrective actions are successful in reducing lead below 15 ppb.

Table 2. Summary Statistics

CATEGORY	INITIAL SAMPLING RESULTS	RE-SAMPLING RESULTS			POST-CORRECTIVE ACTION RESULTS
	Lead Screening Level of 15 ppb				
	First Draw (ppb)	Water Fountain	First Draw (ppb)	Follow up Flush	First Draw (ppb)
Total Drinking	**3**	**N/A**	**0**	**0**	**N/A**
Total Drinking > 15 ppb	**0**	**N/A**	**0**	**0**	**N/A**
Total Cook	**7**	**N/A**	**1**	**1**	**N/A**
Total Cook> 15 ppb	**1**	**N/A**	**0**	**0**	**N/A**
Total Washing	**27**	**N/A**	**0**	**0**	**N/A**
Total Washing > 15 ppb	**0**	**N/A**	**0**	**0**	**N/A**
Total Samples	**37**	**N/A**	**1**	**1**	**N/A**
Total Samples > 15 ppb	**1**	**N/A**	**0**	**0**	**N/A**

Bldg.# ~~2057/58~~ 2059	Fac. Name: SCHOOL CAFETERIA	Floor: Ground

NSA NAPLES STEP 2 2021 DRINKING WATER SAMPLING FOR LEAD IN PRIORITY AREAS

SUPPORT SITE SCHOOL CAFETERIA
BLDG. 2059
GROUND FLOOR