

**Consumer Notice**  
**Semi-Annual Lead and Copper Drinking Water Results**  
**NAS Sigonella Marinai Housing Site**

Current Resident,

Naval Air Station Sigonella – Marinai Housing

Unit: All

Sample Dates: 6/30/2022-  
9/9/2022

Notice Date: 7/1/2024

On behalf of NASSIG and the Public Works – Environmental Office, we appreciate your participation in the lead and copper monitoring program as part of a system wide evaluation. This notice reports the lead and copper results from the samples collected on 30 JUN 2022, 14 JUL 2022 and 09 SEP 2022. We are providing the individual results to you below in accordance with U.S. Environmental Protection Agency (E.P.A.) drinking water regulations. Thank you for your support to obtain these samples inside your home and helping us complete the evaluation for the entire community. Units are reported in parts lead per billion parts water (ppb).

#	Sample Location	Sample Collection Date	Lead Result (ppb)	System 90 <sup>th</sup> % Value (ppb)	Lead Action Level (90 <sup>th</sup> %, ppb)	Copper Result (ppb)	System 90 <sup>th</sup> % Value (ppb)	Copper Action Level (90 <sup>th</sup> %, ppb)
1	2304B	30 JUN 2022	1.6	25.2	15	27.2	90.3	1300
2	2308D	30 JUN 2022	10.0	25.2	15	29.8	90.3	1300
3	2230D	30 JUN 2022	7.1	25.2	15	39.5	90.3	1300
4	2120B	30 JUN 2022	6.8	25.2	15	50.7	90.3	1300
5	2426A	30 JUN 2022	25.2	25.2	15	54.4	90.3	1300
6	2014A	30 JUN 2022	1.2	25.2	15	24.4	90.3	1300
7	2006B	30 JUN 2022	37.9	25.2	15	90.3	90.3	1300
8	2334A	30 JUN 2022	3.8	25.2	15	73.1	90.3	1300
9	2201D	30 JUN 2022	10.3	25.2	15	28.3	90.3	1300
10	2128A	30 JUN 2022	5.1	25.2	15	99.8	90.3	1300
1	2201D	14 JUL 2022	14.8	14.5	15	68.8	87.1	1300
2	2427C	14 JUL 2022	2.3	14.5	15	7.0	87.1	1300
3	2229A	14 JUL 2022	4.3	14.5	15	34.1	87.1	1300
4	2304B	14 JUL 2022	1.6	14.5	15	7.3	87.1	1300
5	2308D	14 JUL 2022	8.1	14.5	15	33.1	87.1	1300
6	2225D	14 JUL 2022	2.9	14.5	15	31.5	87.1	1300
7	2426A	14 JUL 2022	7.9	14.5	15	9.9	87.1	1300
8	2331C	14 JUL 2022	14.5	14.5	15	35.6	87.1	1300
9	2006B	14 JUL 2022	13.6	14.5	15	87.1	87.1	1300
10	2128A	14 JUL 2022	6.2	14.5	15	98.5	87.1	1300
1	2003A	09 SEP 2022	5.2	8.2	15	28.3	37.5	1300
2	2134D	09 SEP 2022	4.7	8.2	15	15.7	37.5	1300
3	2128B	09 SEP 2022	3.0	8.2	15	18.4	37.5	1300
4	2118D	09 SEP 2022	2.9	8.2	15	14.7	37.5	1300
5	2111A	09 SEP 2022	2.7	8.2	15	8.9	37.5	1300
6	2302B	09 SEP 2022	39.0	8.2	15	209.0	37.5	1300
7	2209C	09 SEP 2022	8.2	8.2	15	37.5	37.5	1300
8	2218C	09 SEP 2022	5.4	8.2	15	33.4	37.5	1300
9	2410D	09 SEP 2022	0.9	8.2	15	11.8	37.5	1300
10	2434B	09 SEP 2022	6.3	8.2	15	20.4	37.5	1300



The Navy collected water samples from ten different locations each within the Marinai Housing area on 30 JUN 2022, 14 JUL 2022 and 09 SEP 2022 as part of the routine lead and copper monitoring program for the U.S. Naval Air Station Sigonella, Italy - Marinai Housing Water System.

Drinking water samples were sampled for lead in unoccupied houses 30 June 2022 which conflicts with the recommended sampling locations in the NAS Sigonella sampling plan, so additional samples were collected in July 2022. The June sampling results exceeded the lead AL and should have been reported even though the July results were in compliance with the lead AL. Additional corrosion control measures have been implemented, and sampling conducted in September 2022 was also in compliance with the lead AL. Sampling will continue to occur semi-annually during 2023 to ensure corrosion control measures remain effective.

### **Frequently Asked Questions**

**How does Lead get into the Drinking Water?** Lead and copper in drinking water usually comes from the corrosion of lead-containing materials such as pipes, solder, and plumbing fixtures and fittings made of metal that may contain lead.

**What are the Lead and Copper standards?** The required Action Levels (AL), 15 parts per billion (ppb) for lead and 1,300 ppb for copper, have been established by EPA. These are based on contaminant concentrations which, if exceeded, triggers further investigation to identify the source and necessary corrective actions. A water system meets the standard if at least 90 percent of the samples collected (i.e. the 90<sup>th</sup> percentile value, %) have results below the 15 ppb lead AL and below the 1300 ppb copper AL.

If a sample location exceeds an AL, NAS Sigonella would work proactively to address the exceedance and reduce the level. If a sample meets the AL (i.e. does not exceed), then no further action is required at this time. Periodic monitoring for lead and copper levels in the drinking water system will continue.

EPA has also established a Maximum Contaminant Level Goal (MCLG) for lead of zero mg/L. The MCLG, established with a margin of safety, is a non-enforceable goal set at a level at which there is no known or expected risk to health.

**Should I be concerned?** As indicated by our sampling results, lead is not a serious concern at NASSIG.

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can also cause damage to the brain and kidneys, and it can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones, and it can be released later in life. During pregnancy, the child may receive lead from the mother's bones, which may affect brain development.

The consumer can reduce their exposure to lead in drinking water at NAS Sigonella and anywhere they travel by taking the following steps:

- Run the cold water 1 to 2 minutes to flush out the water in the faucet body and home plumbing. These are the sources of lead in almost all drinking water from a home tap.
- Drink and cook with cold water only, especially do not use hot water for preparing baby formula.
- Please note that boiling water does not reduce lead levels.



**Where can I get more information?** For more information on reducing lead exposure around your home and the health effects of lead, visit the EPA's web site at [www.epa.gov/lead](http://www.epa.gov/lead), or call the National Lead Information Center at 800-424-LEAD.

If you have any health related questions or concerns about lead and copper exposure, you are encouraged to contact your health care provider. If you are a TRICARE beneficiary, contact the appointment desk to schedule an appointment with your primary care provider at 095-56-2273.

If you have any questions regarding your lead and copper sampling results, please contact the Drinking Water Program Manager at 095-86-2463 or 624-2463 (DSN). You can also view additional Water Quality Information and annual Drinking Water Consumer Confidence Reports for NAS Sigonella at:

<https://cnreurafcen.cnic.navy.mil/Operations-and-Management/Water-Quality-Information/> .