



DEPARTMENT OF THE NAVY

U.S. NAVY REGION CENTER, SINGAPORE
PSC 470 BOX 2100
FPO AP 96534-2100

5090
N45/027
30 Jun 14

From: Commanding Officer, Navy Region Center, Singapore
To: Regional Water Quality Board
Via: Installation Water Quality Board

Subj: SAMPLING AND TESTING FOR LEAD IN DRINKING WATER IN PRIORITY AREAS

Ref: (a) OPNAV N45 MEMORANDUM 5090, SER N45/14U132588 OF 8 FEB 2014
(b) OPNAV M-2090.1

Encl: (1) NRCS ltr 5090 Ser N45/026 and Monitoring Results of Singapore Priority Areas

1. Per references (a) and (b), sampling and testing of lead in drinking water in priority areas are required at Navy installations worldwide. "Priority areas" are identified as primary and secondary schools, child development centers, Navy operated 24/7 group homes, and youth centers. Testing outlets include drinking fountains, all sinks, and all faucets. Sampling and testing under this program is to be implemented in addition to, not in place of, sampling conducted to determine whether a water supply system meets system-wide regulations.

2. Enclosure (1) provides the sampling results where testing was conducted. All results are below the 20ppb limit. As required, the result is available to the Medical Authority, youth centers, parents or legal guardians of children attending these facilities and is posted on the bulletin boards of these facilities. This notification has been coordinated with Public Affairs staff, local Navy Preventive Medicine Service and the legal department. All records of sampling and testing for this program shall be retained for 12 years.

3. The environmental office is further tasked to query each priority area annually and test all new areas prior to occupancy. Periodic testing shall be conducted every five years thereafter.

4. The point of contact is Ms. Alice Wilson, who can be reached at (65) 6750-2052 or DSN (315) 421-2052 or email at Alice.Wilson@fe.navy.mil.


S. W. MURDOCK



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From: Commanding Officer, Navy Region Center, Singapore

Subj: SAMPLING AND TESTING FOR LEAD IN DRINKING WATER IN PRIORITY AREAS

1. The Navy is committed to maintaining safe drinking water on its installations. Our water distribution system is regularly tested for lead and in compliance with the Safe Drinking Water Act.
2. Lead exposure is a particular concern for children. Lead in drinking water may come from plumbing inside buildings including fittings, solder, water fountains or water faucets. Therefore, the U.S. EPA recommends, but does not mandate, that we test the lead content of drinking water in priority areas such as youth centers and child development centers. Testing at our facilities was conducted on March 10, 2014.
3. I am pleased to report that all drinking water intended for consumption, to include drinking water intended for cooking or teeth brushing, is within the U.S. EPA recommended lead level of 20 parts per billion (ppb). One part per billion is equal to one drop of water in an Olympic-size swimming pool.
4. Navy environmental personnel conducted this testing at the facilities following Navy and U.S. EPA guidelines. Samples from various locations were sent to a U.S.-certified laboratory for analysis.
5. We also tested sinks used for hand washing. These too were within recommended levels for lead. In all, 22 samples were taken and tested.
6. A copy of all test results is enclosed for information. You can also see a copy of our water testing result at the Public Works Department Environmental Office between 07:00 to 15:30.
 - a. To learn more about lead in drinking water in schools and day care centers visit this EPA website at:

http://water.epa.gov/drink/info/lead/schools_index.cfm
 - b. To learn more about your home's public water supplier, see our Consumer Confidence Report:

http://www.cnic.navy.mil/regions/sac/om/environmental_support.html
7. While lead in the drinking water at these facilities meets U.S. EPA recommended levels, if you have any health related questions or concerns about lead exposure generally, you are encouraged to call the Navy Medical Center Portsmouth Lead Information Line at (1) 757-953-1598.


S. W. MURDOCK

Enclosure (1)

**- Supplement to Report of Laboratory Analysis -
 Lead and Copper Analyses Results Digest**

Client Name: Navy Region Center Singapore
 Client Project#: US NAVY

DQ*: Data Qualifier

OEBGD 07 C3.3.2.4. Lead and Copper			Lead (mg/L) EPA 200.8 Action Level: 0.020			Copper (mg/L) EPA 200.8 Action Level: 1.3		
SampleID	Sampling Site	Lab#	Results	RDL	DQ*	Results	RDL	DQ*
0314-555-DWL	NRC Singapore 213 CRC (HB OUTSIDE)	14-215-001	0.0011	0.001				
0314-556-DWL	NRC Singapore 213 CRC (WATER FOUNTAIN INDO)	14-215-002	< 0.0010	0.001				
0314-557-DWL	NRC Singapore 213 CRC (FEMALE SINK)	14-215-003	< 0.0010	0.001				
0314-558-DWL	NRC Singapore 213 CRC (FEMALE BIDET)	14-215-004	< 0.0010	0.001				
0314-559-DWL	NRC Singapore 213 CRC (MALE SINK)	14-215-005	0.0016	0.001				
0314-560-DWL	NRC Singapore 213 CRC (MALE HB)	14-215-006	0.0044	0.001				
0314-561-DWL	NRC Singapore 213 CRC (CYP FEMALE SINK)	14-215-007	< 0.0010	0.001				
0314-563-DWL	NRC Singapore 213 CRC (CYP MALE SINK)	14-215-008	< 0.0010	0.001				
0314-565-DWL	NRC Singapore 213 CRC CYP 9WATER COOLER)	14-215-009	< 0.0010	0.001				
0314-566-DWL	NRC Singapore 488-2 CAC (FEMALE SINK)	14-215-010	< 0.0010	0.001				
0314-567-DWL	NRC Singapore 488-2 CAC (MALE SINK)	14-215-011	0.0018	0.001				
0314-569-DWL	NRC Singapore 488-2 CAC (KITCHE SINK)	14-215-012	0.0025	0.001				
0314-570-DWL	NRC Singapore 488-2 CAC (HOSE BIBS OUTSIDE)	14-215-013	< 0.0010	0.001				
0314-571-DWL	NRC Singapore 489 ADMIN (SHC, WATER FOUNTAI	14-215-014	< 0.0010	0.001				
0314-572-DWL	NRC Singapore 489 ADMIN (SHC, MALE SINK)	14-215-015	< 0.0010	0.001				
0314-573-DWL	NRC Singapore 489 ADMIN (SHC, WATER FOUNTAI	14-215-016	< 0.0010	0.001				
0314-574-DWL	NRC Singapore 489 ADMIN (SHC, FEMALE SINK)	14-215-017	< 0.0010	0.001				
0314-575-DWL	NRC Singapore 489 ADMIN (SHC, FEMALE BIDET)	14-215-018	< 0.0010	0.001				
0314-576-DWL	NRC Singapore 489 ADMIN (SHC, WATER TAP BEH	14-215-019	0.0028	0.001				
0314-577-DWL	NRC Singapore 200-3 FLEET GYMNASIUM (WATER	14-215-020	< 0.0010	0.001				
0314-578-DWL	NRC Singapore 200-3 FLEET GYMNASIUM (WATER	14-215-021	< 0.0010	0.001				
0314-579-DWL	NRC Singapore 200-3 FLEET GYMNASIUM (WATER	14-215-022	< 0.0010	0.001				